
APPENDIX B

LABORATORY REPORT SHEETS

14 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI

Report Number: 56238

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	48 Soils
Date of Receipt of Samples:	2/11/07 & 06/11/07	
Date of Receipt of Instructions:	2/11/07	
Date Preliminary Report Emailed:	Not Issued	

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Samples for "Asbestos" analysis-subsample portion taken from glass jar supplied.

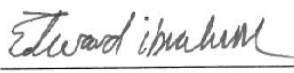
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-1 37/0.1 Soil 24/10/2007	56238-2 32/0.6 Soil 26/10/2007	56238-3 35/0.7 Soil 26/10/2007	56238-4 46/1.6 Soil 24/10/2007	56238-5 45/0.2 Soil 24/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	120	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	220	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	118	96	102	92	97

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-7 44/0.5 Soil 24/10/2007	56238-8 43/1.1 Soil 24/10/2007	56238-9 40/0.2 Soil 24/10/2007	56238-10 49/0.1 Soil 24/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	58	<50	73	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	140	<50	260	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	79	83	83	125

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-11 48/0-0.5 Soil 24/10/2007	56238-12 41/2.0 Soil 25/10/2007	56238-13 15/0.2 Soil 25/10/2007	56238-14 7/0.1 Soil 25/10/2007	56238-15 11/0.1 Soil 25/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	420	77	53
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	430	330	240
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	120	112	111	108	109

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-16 7/0.6 Soil 25/10/2007	56238-17 9/0.1 Soil 25/10/2007	56238-18 8/0.1 Soil 25/10/2007	56238-19 35/0.1 Soil 26/10/2007	56238-20 R1 Soil 25/10/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	<20	<20	<20	<20	<20
TRH C15 - C28	mg/kg	<50	54	56	<50	92
TRH C29 - C36	mg/kg	<50	130	190	96	250
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	74	109	114	81	105

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	<20	<20	<20	34	<20
TRH C15 - C28	mg/kg	<50	<50	<50	330	<50
TRH C29 - C36	mg/kg	<50	<50	<50	420	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	100	85	101	83	84

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	<20	<20	<20	<20	<20
TRH C15 - C28	mg/kg	<50	<50	<50	<50	190
TRH C29 - C36	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	83	91	91	101	98

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	102	96	80	94	90

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	91	73	85	90	94

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	[NT]	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	90	<50	[NT]	100	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	[NT]	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	84	75	78	87	89

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	93	83	74

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-1 37/0.1 Soil 24/10/2007	56238-2 32/0.6 Soil 26/10/2007	56238-3 35/0.7 Soil 26/10/2007	56238-4 46/1.6 Soil 24/10/2007	56238-5 45/0.2 Soil 24/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.4	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.96	<1.55
Nitrobenzene-d5	%	75	79	83	90	90
2-Fluorobiphenyl	%	82	86	91	93	97
<i>p</i> -Terphenyl-d14	%	78	88	94	91	92

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-7 44/0.5 Soil 24/10/2007	56238-8 43/1.1 Soil 24/10/2007	56238-9 40/0.2 Soil 24/10/2007	56238-10 49/0.1 Soil 24/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.07	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.95	<1.55
Nitrobenzene-d5	%	73	91	91	84	91
2-Fluorobiphenyl	%	85	94	99	86	100
p -Terphenyl-d14	%	89	101	92	92	88

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-11 48/0-0.5 Soil 24/10/2007	56238-12 41/2.0 Soil 25/10/2007	56238-13 15/0.2 Soil 25/10/2007	56238-14 7/0.1 Soil 25/10/2007	56238-15 11/0.1 Soil 25/10/2007
Naphthalene	mg/kg	<0.1	<0.1	0.6	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	0.9	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	4.1	0.2	<0.1
Anthracene	mg/kg	<0.1	<0.1	1.7	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	12	0.4	0.1
Pyrene	mg/kg	<0.1	<0.1	10	0.3	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	6.9	0.2	<0.1
Chrysene	mg/kg	<0.1	<0.1	4.4	0.2	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	11	0.4	<0.2
Benzo[a]pyrene	mg/kg	0.06	<0.05	5.7	0.18	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	3.0	0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	0.9	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	2.3	0.1	<0.1
Total PAHs	mg/kg	<1.56	<1.55	<63.42	<2.70	<1.55
Nitrobenzene-d5	%	87	86	76	78	86
2-Fluorobiphenyl	%	96	96	77	73	89
p -Terphenyl-d14	%	93	90	74	74	91

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-16 7/0.6 Soil 25/10/2007	56238-17 9/0.1 Soil 25/10/2007	56238-18 8/0.1 Soil 25/10/2007	56238-19 35/0.1 Soil 26/10/2007	56238-20 R1 Soil 25/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.2	0.3	<0.1	0.3
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.3	0.4	<0.1	0.2
Pyrene	mg/kg	<0.1	0.3	0.4	<0.1	0.2
Benzo[a]anthracene	mg/kg	<0.1	0.2	0.2	<0.1	0.1
Chrysene	mg/kg	<0.1	0.2	0.2	<0.1	0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	0.4	0.4	<0.2	0.3
Benzo[a]pyrene	mg/kg	<0.05	0.22	0.20	<0.05	0.11
Indeno[123-cd]pyrene	mg/kg	<0.1	0.1	0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	0.2	0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<2.62	<2.81	<1.55	<2.16
Nitrobenzene-d5	%	92	90	83	87	87
2-Fluorobiphenyl	%	97	96	83	90	93
p -Terphenyl-d14	%	91	97	88	91	95

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.08	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.82	<1.55
Nitrobenzene-d5	%	78	85	84	86	89
2-Fluorobiphenyl	%	80	91	92	91	95
p -Terphenyl-d14	%	88	93	93	97	95

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.7
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.5
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	0.3
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	0.13
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.55	<3.26
Nitrobenzene-d5	%	85	84	73	78	80
2-Fluorobiphenyl	%	92	96	84	84	74
p -Terphenyl-d14	%	94	97	90	83	72

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.3	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.3	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.3	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.21	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<2.31	<1.55
Nitrobenzene-d5	%	89	78	79	87	81
2-Fluorobiphenyl	%	99	93	90	94	91
p -Terphenyl-d14	%	98	93	88	86	89

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.08	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.88	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	85	85	94	89	77
2-Fluorobiphenyl	%	87	94	100	99	72
p -Terphenyl-d14	%	95	99	103	97	71

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.6	<0.1	<0.1	0.4	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.9	<0.1	<0.1	0.4	<0.1
Pyrene	mg/kg	0.8	<0.1	<0.1	0.3	<0.1
Benzo[a]anthracene	mg/kg	0.6	<0.1	<0.1	0.2	<0.1
Chrysene	mg/kg	0.5	<0.1	<0.1	0.2	<0.1
Benzo[b,k]fluoranthene	mg/kg	1.0	<0.2	<0.2	0.3	<0.2
Benzo[a]pyrene	mg/kg	0.59	<0.05	<0.05	0.14	<0.05
Indeno[123-cd]pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<6.09	<1.55	<1.55	<2.74	<1.55
Nitrobenzene-d5	%	104	106	104	107	110
2-Fluorobiphenyl	%	108	108	112	105	115
p -Terphenyl-d14	%	116	122	117	112	119

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.3	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.3	<0.1	<0.1
Pyrene	mg/kg	0.3	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.2	<0.1	<0.1
Chrysene	mg/kg	0.2	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	0.3	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.21	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<2.61	<1.55	<1.55
Nitrobenzene-d5	%	93	90	92
2-Fluorobiphenyl	%	97	96	100
p -Terphenyl-d14	%	103	98	100

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-1 37/0.1 Soil 24/10/2007	56238-2 32/0.6 Soil 26/10/2007	56238-3 35/0.7 Soil 26/10/2007	56238-4 46/1.6 Soil 24/10/2007	56238-5 45/0.2 Soil 24/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	91	99	97	95	98

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-7 44/0.5 Soil 24/10/2007	56238-8 43/1.1 Soil 24/10/2007	56238-9 40/0.2 Soil 24/10/2007	56238-10 49/0.1 Soil 24/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	103	101	100	96	83

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-11 48/0-0.5 Soil 24/10/2007	56238-12 41/2.0 Soil 25/10/2007	56238-13 15/0.2 Soil 25/10/2007	56238-14 7/0.1 Soil 25/10/2007	56238-15 11/0.1 Soil 25/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	91	100	94	93	91

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-16 7/0.6 Soil 25/10/2007	56238-17 9/0.1 Soil 25/10/2007	56238-18 8/0.1 Soil 25/10/2007	56238-19 35/0.1 Soil 26/10/2007	56238-20 R1 Soil 25/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	96	99	95	101	100

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	114	96	98	103	101

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>	%	100	98	97	77	96

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	95	95	93	96	95

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	95	97	90	103	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	111	111	105	105	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	97	104

OP Pesticides in Soil						
Our Reference:	UNITS	56238-1	56238-2	56238-3	56238-4	56238-5
Your Reference	-----	37/0.1	32/0.6	35/0.7	46/1.6	45/0.2
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	26/10/2007	26/10/2007	24/10/2007	24/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	91	99	97	95	98

OP Pesticides in Soil						
Our Reference:	UNITS	56238-6	56238-7	56238-8	56238-9	56238-10
Your Reference	-----	42/1.2	44/0.5	43/1.1	40/0.2	49/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	24/10/2007	24/10/2007	24/10/2007	24/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	103	101	100	96	83

OP Pesticides in Soil						
Our Reference:	UNITS	56238-11	56238-12	56238-13	56238-14	56238-15
Your Reference	-----	48/0-0.5	41/2.0	15/0.2	7/0.1	11/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	25/10/2007	25/10/2007	25/10/2007	25/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	91	100	94	93	91

OP Pesticides in Soil						
Our Reference:	UNITS	56238-16	56238-17	56238-18	56238-19	56238-20
Your Reference	-----	7/0.6	9/0.1	8/0.1	35/0.1	R1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		25/10/2007	25/10/2007	25/10/2007	26/10/2007	25/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	96	99	95	101	100

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	114	96	98	103	101

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	100	98	97	77	96

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	95	95	93	96	95

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	95	97	90	103	105

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	111	111	105	105	105

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	97	104

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-1 37/0.1 Soil 24/10/2007	56238-2 32/0.6 Soil 26/10/2007	56238-3 35/0.7 Soil 26/10/2007	56238-4 46/1.6 Soil 24/10/2007	56238-5 45/0.2 Soil 24/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	91	99	97	95	98

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-7 44/0.5 Soil 24/10/2007	56238-8 43/1.1 Soil 24/10/2007	56238-9 40/0.2 Soil 24/10/2007	56238-10 49/0.1 Soil 24/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	103	101	100	96	83

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-11 48/0-0.5 Soil 24/10/2007	56238-12 41/2.0 Soil 25/10/2007	56238-13 15/0.2 Soil 25/10/2007	56238-14 7/0.1 Soil 25/10/2007	56238-15 11/0.1 Soil 25/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	91	100	94	93	91

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-16 7/0.6 Soil 25/10/2007	56238-17 9/0.1 Soil 25/10/2007	56238-18 8/0.1 Soil 25/10/2007	56238-19 35/0.1 Soil 26/10/2007	56238-20 R1 Soil 25/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	96	99	95	101	100

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	114	96	98	103	101

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	100	98	97	77	96

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	95	95	93	96	95

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	95	97	90	103	105

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	111	111	105	105	105

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	97	104

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-1 37/0.1 Soil 24/10/2007	56238-2 32/0.6 Soil 26/10/2007	56238-3 35/0.7 Soil 26/10/2007	56238-4 46/1.6 Soil 24/10/2007	56238-5 45/0.2 Soil 24/10/2007
Arsenic	mg/kg	6	9	10	7	4
Cadmium	mg/kg	0.3	0.3	0.4	0.2	0.2
Chromium	mg/kg	5.1	8.1	10	1.8	1.8
Copper	mg/kg	5.1	7.9	5.7	6.7	6.3
Lead	mg/kg	21	9.7	11	11	28
Mercury	mg/kg	<0.05	<0.05	<0.05	0.17	0.06
Nickel	mg/kg	2.1	1.2	2.0	5.1	3.2
Zinc	mg/kg	23	13	28	32	38

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-7 44/0.5 Soil 24/10/2007	56238-8 43/1.1 Soil 24/10/2007	56238-9 40/0.2 Soil 24/10/2007	56238-10 49/0.1 Soil 24/10/2007
Arsenic	mg/kg	<3	6	<3	6	9
Cadmium	mg/kg	0.1	0.2	<0.1	0.3	0.6
Chromium	mg/kg	1.0	1.9	0.8	5.9	7.1
Copper	mg/kg	5.9	9.7	1.0	9.8	8.9
Lead	mg/kg	19	9	3	19	11
Mercury	mg/kg	<0.05	0.11	<0.05	<0.05	<0.05
Nickel	mg/kg	2.5	6.9	<0.5	4.9	3.0
Zinc	mg/kg	30	67	4.0	63	19

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-11 48/0-0.5 Soil 24/10/2007	56238-12 41/2.0 Soil 25/10/2007	56238-13 15/0.2 Soil 25/10/2007	56238-14 7/0.1 Soil 25/10/2007	56238-15 11/0.1 Soil 25/10/2007
Arsenic	mg/kg	<3	6	6	21	4
Cadmium	mg/kg	<0.1	0.3	0.8	1.9	0.3
Chromium	mg/kg	6.4	3.5	3.1	12	3.3
Copper	mg/kg	1.3	4.9	110	880	130
Lead	mg/kg	1	14	100	410	53
Mercury	mg/kg	<0.05	<0.05	0.11	0.14	<0.05
Nickel	mg/kg	<0.5	4.2	7.6	20	7.5
Zinc	mg/kg	35	22	570	860	110

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-16 7/0.6 Soil 25/10/2007	56238-17 9/0.1 Soil 25/10/2007	56238-18 8/0.1 Soil 25/10/2007	56238-19 35/0.1 Soil 26/10/2007	56238-20 R1 Soil 25/10/2007
Arsenic	mg/kg	<3	19	12	17	20
Cadmium	mg/kg	0.1	2.4	0.96	1.9	1.8
Chromium	mg/kg	2.8	14	6.7	8.4	14
Copper	mg/kg	1.8	460	520	18	4,400
Lead	mg/kg	13	510	150	100	540
Mercury	mg/kg	<0.05	0.10	0.10	0.08	0.11
Nickel	mg/kg	<0.5	24	6.0	11	22
Zinc	mg/kg	7.1	520	280	620	880

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-21 R2 Soil 25/10/2007	56238-22 R3 Soil 26/10/2007	56238-23 R4 Soil 29/10/2007	56238-24 R5 Soil 30/10/2007	56238-25 39/1.6 Soil 26/10/2007
Arsenic	mg/kg	5	15	14	10	6
Cadmium	mg/kg	0.4	0.7	0.7	0.4	0.3
Chromium	mg/kg	4.8	16	7.7	13	6.1
Copper	mg/kg	260	6.4	27	26	11
Lead	mg/kg	81	17	160	460	4
Mercury	mg/kg	0.05	<0.05	0.18	0.07	<0.05
Nickel	mg/kg	8.3	1.5	8.5	15	6.2
Zinc	mg/kg	130	24	210	120	39

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-26 47/0.4 Soil 25/10/2007	56238-27 47/2.3 Soil 25/10/2007	56238-28 38/1.9 Soil 26/10/2007	56238-29 29/0.1 Soil 26/10/2007	56238-30 31/0.2 Soil 30/10/2007
Arsenic	mg/kg	6	6	4	6	8
Cadmium	mg/kg	0.3	0.9	0.2	0.4	1.0
Chromium	mg/kg	6.8	5.2	1.1	4.1	8.5
Copper	mg/kg	13	61	3.4	7.0	18
Lead	mg/kg	5	20	7	18	59
Mercury	mg/kg	<0.05	0.08	0.05	<0.05	0.12
Nickel	mg/kg	8.5	11	5.9	4.1	9.4
Zinc	mg/kg	47	760	20	39	260

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
Arsenic	mg/kg	4	3	<3	6	<3
Cadmium	mg/kg	0.2	<0.1	0.2	0.4	0.1
Chromium	mg/kg	3.5	3.2	8.7	3.5	1.7
Copper	mg/kg	6.8	6.9	16	22	3.6
Lead	mg/kg	11	9	9	100	19
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	mg/kg	1.4	1.1	4.6	1.8	1.2
Zinc	mg/kg	16	12	38	250	22

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Arsenic	mg/kg	6	5	7	7	<3
Cadmium	mg/kg	0.6	0.7	0.4	0.2	<0.1
Chromium	mg/kg	5.7	3.1	5.5	4.1	<0.3
Copper	mg/kg	19	8.7	9.8	2.6	0.8
Lead	mg/kg	91	55	18	12	5
Mercury	mg/kg	0.15	0.06	<0.05	0.41	0.18
Nickel	mg/kg	4.8	5.7	2.7	1.0	<0.5
Zinc	mg/kg	140	750	45	12	6.9

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
Arsenic	mg/kg	10	<3	6	9	9
Cadmium	mg/kg	0.8	<0.1	0.8	2.3	0.3
Chromium	mg/kg	15	0.96	5.9	4.6	6.7
Copper	mg/kg	38	3.4	16	110	18
Lead	mg/kg	210	9.8	26	120	21
Mercury	mg/kg	0.35	<0.05	0.05	0.21	0.05
Nickel	mg/kg	13	5.1	4.7	12	6.8
Zinc	mg/kg	250	15	400	1,500	64

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
Arsenic	mg/kg	13	6	6
Cadmium	mg/kg	0.5	0.2	0.3
Chromium	mg/kg	14	5.1	6.2
Copper	mg/kg	29	6.4	6.3
Lead	mg/kg	290	78	7
Mercury	mg/kg	0.09	0.05	<0.05
Nickel	mg/kg	15	2.5	1.4
Zinc	mg/kg	120	18	15

Asbestos ID in soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-6 42/1.2 Soil 24/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-36 23/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Sample Description		43g clay	48g rocks soil	35g soil	43g rocks soil	39g rocks, soil, plant matter
Asbestos ID in soil	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID in soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-44 13/0.1 Soil 29/10/2007
Sample Description		25g plant matter, rocks, soil
Asbestos ID in soil	-	No asbestos detected

Moisture						
Our Reference:	UNITS	56238-1	56238-2	56238-3	56238-4	56238-5
Your Reference	-----	37/0.1	32/0.6	35/0.7	46/1.6	45/0.2
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	26/10/2007	26/10/2007	24/10/2007	24/10/2007
Moisture	%	12	18	11	11	13

Moisture						
Our Reference:	UNITS	56238-6	56238-7	56238-8	56238-9	56238-10
Your Reference	-----	42/1.2	44/0.5	43/1.1	40/0.2	49/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	24/10/2007	24/10/2007	24/10/2007	24/10/2007
Moisture	%	17	12	18	10	4

Moisture						
Our Reference:	UNITS	56238-11	56238-12	56238-13	56238-14	56238-15
Your Reference	-----	48/0-0.5	41/2.0	15/0.2	7/0.1	11/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		24/10/2007	25/10/2007	25/10/2007	25/10/2007	25/10/2007
Moisture	%	<1	16	6	8	10

Moisture						
Our Reference:	UNITS	56238-16	56238-17	56238-18	56238-19	56238-20
Your Reference	-----	7/0.6	9/0.1	8/0.1	35/0.1	R1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		25/10/2007	25/10/2007	25/10/2007	26/10/2007	25/10/2007
Moisture	%	16	11	9	16	8

Moisture						
Our Reference:	UNITS	56238-21	56238-22	56238-23	56238-24	56238-25
Your Reference	-----	R2	R3	R4	R5	39/1.6
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		25/10/2007	26/10/2007	29/10/2007	30/10/2007	26/10/2007
Moisture	%	8	13	10	17	9

Moisture						
Our Reference:	UNITS	56238-26	56238-27	56238-28	56238-29	56238-30
Your Reference	-----	47/0.4	47/2.3	38/1.9	29/0.1	31/0.2
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		25/10/2007	25/10/2007	26/10/2007	26/10/2007	30/10/2007
Moisture	%	7	14	29	9	21

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-31 30/0.9 Soil 30/10/2007	56238-32 28/1.6 Soil 30/10/2007	56238-33 25/0.3 Soil 30/10/2007	56238-34 33/0.2 Soil 30/10/2007	56238-35 27/0.5 Soil 31/10/2007
Moisture	%	18	20	15	6	14

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-36 23/0.1 Soil 31/10/2007	56238-37 23A/1.5 Soil 31/10/2007	56238-38 24/0.1 Soil 31/10/2007	56238-39 21/0.3 Soil 31/10/2007	56238-40 1/0.1 Soil 29/10/2007
Moisture	%	24	31	14	7	12

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-41 4/0.5 Soil 29/10/2007	56238-42 2/1.6 Soil 29/10/2007	56238-43 4A/1.1 Soil 29/10/2007	56238-44 13/0.1 Soil 29/10/2007	56238-45 3/0.2 Soil 30/10/2007
Moisture	%	20	23	20	20	11

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238-46 6/0.25 Soil 30/10/2007	56238-47 6/0.8 Soil 30/10/2007	56238-48 5/0.8 Soil 30/10/2007
Moisture	%	15	14	19

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at $105 \pm 5^{\circ}\text{C}$.

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH/BTEX in Soil								
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56238-4	<20 <20	56238-39	92%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56238-4	<20 <20	56238-39	78%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56238-4	120 130 RPD: 8	56238-39	78%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56238-4	220 270 RPD: 20	56238-39	75%
Benzene	mg/kg	0.5	SEO-018	<0.5	56238-4	<0.5 <0.5	56238-39	89%
Toluene	mg/kg	0.5	SEO-018	<0.5	56238-4	<0.5 <0.5	56238-39	88%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56238-4	<0.5 <0.5	56238-39	88%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56238-4	<1.5 <1.5	56238-39	91%
BTEX Surrogate (%)	%	0	SEO-018	103	56238-4	92 112 RPD: 20	56238-39	101%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PAHs in Soil								
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	56238-15	78%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	56238-15	70%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	56238-15	91%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56238-4	0.4 0.4 RPD: 0	56238-15	76%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	56238-15	77%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56238-4	0.1 0.1 RPD: 0	56238-15	78%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56238-4	0.2 0.2 RPD: 0	56238-15	82%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56238-4	0.1 0.1 RPD: 0	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56238-4	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56238-4	<0.05 <0.05	56238-15	87%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56238-4	<1.96 <1.99	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	90	56238-4	90 91 RPD: 1	56238-15	93%
2-Fluorobiphenyl	%	0	SEO-030	103	56238-4	93 94 RPD: 1	56238-15	95%
p -Terphenyl-d 14	%	0	SEO-030	93	56238-4	91 94 RPD: 3	56238-15	91%

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	109%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	104%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	100%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	106%
Endrin	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	112%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	109%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	97	56238-4	95 97 RPD: 2	56238-17	92%

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	118%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	97	56238-4	95 97 RPD: 2	56238-17	92%
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	56238-17	108%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	56238-4	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	97	56238-4	95 97 RPD: 2	56238-17	90%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56238-1	6 7 RPD: 15	56238-2	93%
Cadmium	mg/kg	0.1	SEM-010	<0.1	56238-1	0.3 0.3 RPD: 0	56238-2	97%
Chromium	mg/kg	0.3	SEM-010	<0.3	56238-1	5.1 5.4 RPD: 6	56238-2	100%
Copper	mg/kg	0.5	SEM-010	<0.5	56238-1	5.1 5.0 RPD: 2	56238-2	99%
Lead	mg/kg	1	SEM-010	<1	56238-1	21 18 RPD: 15	56238-2	92%
Mercury	mg/kg	0.05	SEM-005	<0.05	56238-1	<0.05 <0.05	56238-2	107%
Nickel	mg/kg	0.5	SEM-010	<0.5	56238-1	2.1 2.1 RPD: 0	56238-2	94%
Zinc	mg/kg	0.3	SEM-010	<0.3	56238-1	23 22 RPD: 4	56238-2	103%

QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank	
Moisture	%	1	AN002	<1	
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
TRH/BTEX in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56238-43	<20 <20	56238-47	130%
Benzene	mg/kg	56238-43	<0.5 <0.5	56238-47	108%
Toluene	mg/kg	56238-43	<0.5 <0.5	56238-47	111%
Ethylbenzene	mg/kg	56238-43	<0.5 <0.5	56238-47	115%
Total Xylenes	mg/kg	56238-43	<1.5 <1.5	56238-47	119%
BTEX Surrogate (%)	%	56238-43	78 77 RPD: 1	56238-47	96%
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
PAHs in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
Naphthalene	mg/kg	56238-14	<0.1 <0.1	56238-39	76%
Acenaphthylene	mg/kg	56238-14	<0.1 <0.1	56238-39	74%
Acenaphthene	mg/kg	56238-14	<0.1 <0.1	56238-39	96%
Fluorene	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	56238-14	0.2 0.2 RPD: 0	56238-39	80%
Anthracene	mg/kg	56238-14	<0.1 <0.1	56238-39	80%
Fluoranthene	mg/kg	56238-14	0.4 0.4 RPD: 0	56238-39	84%
Pyrene	mg/kg	56238-14	0.3 0.3 RPD: 0	56238-39	86%
Benzo[a]anthracene	mg/kg	56238-14	0.2 0.2 RPD: 0	[NR]	[NR]
Chrysene	mg/kg	56238-14	0.2 0.2 RPD: 0	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	56238-14	0.4 0.4 RPD: 0	[NR]	[NR]
Benzo[a]pyrene	mg/kg	56238-14	0.18 0.21 RPD: 15	56238-39	101%
Indeno[123-cd]pyrene	mg/kg	56238-14	0.1 0.1 RPD: 0	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	56238-14	0.1 0.1 RPD: 0	[NR]	[NR]
Total PAHs	mg/kg	56238-14	<2.70 <2.74	[NR]	[NR]
Nitrobenzene-d5	%	56238-14	78 80 RPD: 3	56238-39	83%
2-Fluorobiphenyl	%	56238-14	73 78 RPD: 7	56238-39	84%
<i>p</i> -Terphenyl-d14	%	56238-14	74 75 RPD: 1	56238-39	91%

QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
OC Pesticides in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
HCB	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	56238-14	<0.1 <0.1	56238-38	117%
Aldrin	mg/kg	56238-14	<0.1 <0.1	56238-38	115%
<i>beta</i> -BHC	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	56238-14	<0.1 <0.1	56238-38	112%
Heptachlor Epoxide	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	56238-14	<0.1 <0.1	56238-38	115%
Endrin	mg/kg	56238-14	<0.1 <0.1	56238-38	119%
<i>o,p</i> -DDD	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	56238-14	<0.1 <0.1	56238-38	112%
Endosulfan Sulphate	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56238-14	93 90 RPD: 3	56238-38	91%

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	56238-14	<0.1 <0.1	56238-38	120%
Fenitrothion	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	56238-14	93 90 RPD: 3	56238-38	91%
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	56238-14	<0.1 <0.1	56238-38	110%
Arochlor 1262	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	56238-14	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	56238-14	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	56238-14	93 90 RPD: 3	56238-38	93%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56238-11	<3 <3	56238-22	87%
Cadmium	mg/kg	56238-11	<0.1 <0.1	56238-22	94%
Chromium	mg/kg	56238-11	6.4 6.4 RPD: 0	56238-22	91%
Copper	mg/kg	56238-11	1.3 0.95 RPD: 31	56238-22	98%
Lead	mg/kg	56238-11	1 <1	56238-22	85%
Mercury	mg/kg	56238-11	<0.05 <0.05	56238-22	115%
Nickel	mg/kg	56238-11	<0.5 <0.5	56238-22	92%
Zinc	mg/kg	56238-11	35 21 RPD: 50	56238-22	98%

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56238-14	<20 <20	56238-15	101%
TRH C ₁₀ - C ₁₄	mg/kg	56238-14	<20 <20	56238-15	71%
TRH C ₁₅ - C ₂₈	mg/kg	56238-14	77 82 RPD: 6	56238-15	78%
TRH C ₂₉ - C ₃₆	mg/kg	56238-14	330 300 RPD: 10	56238-15	113%
Benzene	mg/kg	56238-14	<0.5 <0.5	56238-15	84%
Toluene	mg/kg	56238-14	<0.5 <0.5	56238-15	81%
Ethylbenzene	mg/kg	56238-14	<0.5 <0.5	56238-15	82%
Total Xylenes	mg/kg	56238-14	<1.5 <1.5	56238-15	84%
BTEX Surrogate (%)	%	56238-14	108 107 RPD: 1	56238-15	104%
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	56238-26	<0.1 <0.1	56238-42	83%
Acenaphthylene	mg/kg	56238-26	<0.1 <0.1	56238-42	73%
Acenaphthene	mg/kg	56238-26	<0.1 <0.1	56238-42	97%
Fluorene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	56238-26	<0.1 <0.1	56238-42	88%
Anthracene	mg/kg	56238-26	<0.1 <0.1	56238-42	91%
Fluoranthene	mg/kg	56238-26	<0.1 <0.1	56238-42	85%
Pyrene	mg/kg	56238-26	<0.1 <0.1	56238-42	90%
Benzo[a]anthracene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	56238-26	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	56238-26	<0.05 <0.05	56238-42	118%
Indeno[123-cd]pyrene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	56238-26	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	56238-26	85 85 RPD: 0	56238-42	96%
2-Fluorobiphenyl	%	56238-26	92 96 RPD: 4	56238-42	99%
<i>p</i> -Terphenyl-d14	%	56238-26	94 98 RPD: 4	56238-42	99%

QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
OC Pesticides in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
HCB	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	56238-26	<0.1 <0.1	56238-41	123%
Aldrin	mg/kg	56238-26	<0.1 <0.1	56238-41	120%
<i>beta</i> -BHC	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	56238-26	<0.1 <0.1	56238-41	122%
Heptachlor Epoxide	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	56238-26	<0.1 <0.1	56238-41	113%
Endrin	mg/kg	56238-26	<0.1 <0.1	56238-41	127%
<i>o,p</i> -DDD	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	56238-26	<0.1 <0.1	56238-41	113%
Endosulfan Sulphate	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56238-26	100 95 RPD: 5	56238-41	108%

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	56238-26	<0.1 <0.1	56238-41	121%
Fenitrothion	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	56238-26	100 95 RPD: 5	56238-41	108%
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	56238-26	<0.1 <0.1	56238-41	111%
Arochlor 1262	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	56238-26	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	56238-26	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	56238-26	100 95 RPD: 5	56238-41	109%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56238-21	5 6 RPD: 18	[NR]	[NR]
Cadmium	mg/kg	56238-21	0.4 0.4 RPD: 0	[NR]	[NR]
Chromium	mg/kg	56238-21	4.8 3.9 RPD: 21	[NR]	[NR]
Copper	mg/kg	56238-21	260 230 RPD: 12	[NR]	[NR]
Lead	mg/kg	56238-21	81 81 RPD: 0	[NR]	[NR]
Mercury	mg/kg	56238-21	0.05 0.05 RPD: 0	56238-42	116%
Nickel	mg/kg	56238-21	8.3 7.1 RPD: 16	[NR]	[NR]
Zinc	mg/kg	56238-21	130 120 RPD: 8	[NR]	[NR]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56238-26	<20 <20	[NR]	[NR]
TRH C ₁₀ - C ₁₄	mg/kg	56238-26	<20 <20	56238-42	93%
TRH C ₁₅ - C ₂₈	mg/kg	56238-26	<50 <50	56238-42	93%
TRH C ₂₉ - C ₃₆	mg/kg	56238-26	<50 <50	56238-42	94%
Benzene	mg/kg	56238-26	<0.5 <0.5	[NR]	[NR]
Toluene	mg/kg	56238-26	<0.5 <0.5	[NR]	[NR]
Ethylbenzene	mg/kg	56238-26	<0.5 <0.5	[NR]	[NR]
Total Xylenes	mg/kg	56238-26	<1.5 <1.5	[NR]	[NR]
BTEX Surrogate (%)	%	56238-26	83 88 RPD: 6	[NR]	[NR]
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Naphthalene	mg/kg	56238-36	<0.1 <0.1		
Acenaphthylene	mg/kg	56238-36	<0.1 <0.1		
Acenaphthene	mg/kg	56238-36	<0.1 <0.1		
Fluorene	mg/kg	56238-36	<0.1 <0.1		
Phenanthrene	mg/kg	56238-36	0.2 0.2 RPD: 0		
Anthracene	mg/kg	56238-36	<0.1 <0.1		
Fluoranthene	mg/kg	56238-36	0.2 0.2 RPD: 0		
Pyrene	mg/kg	56238-36	0.2 0.2 RPD: 0		
Benzo[a]anthracene	mg/kg	56238-36	0.1 <0.1		
Chrysene	mg/kg	56238-36	<0.1 0.1		
Benzo[b,k]fluoranthene	mg/kg	56238-36	<0.2 <0.2		
Benzo[a]pyrene	mg/kg	56238-36	0.08 0.08 RPD: 0		
Indeno[123-cd]pyrene	mg/kg	56238-36	<0.1 <0.1		
Dibenzo[ah]anthracene	mg/kg	56238-36	<0.1 <0.1		
Benzo[ghi]perylene	mg/kg	56238-36	<0.1 <0.1		
Total PAHs	mg/kg	56238-36	<1.88 <1.88		
Nitrobenzene-d5	%	56238-36	85 86 RPD: 1		
2-Fluorobiphenyl	%	56238-36	87 89 RPD: 2		
<i>p</i> -Terphenyl-d14	%	56238-36	95 97 RPD: 2		

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56238-36	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56238-36	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56238-36	<0.1 <0.1
Heptachlor	mg/kg	56238-36	<0.1 <0.1
Aldrin	mg/kg	56238-36	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56238-36	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56238-36	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56238-36	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56238-36	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56238-36	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56238-36	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56238-36	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56238-36	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56238-36	<0.1 <0.1
Dieldrin	mg/kg	56238-36	<0.1 <0.1
Endrin	mg/kg	56238-36	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56238-36	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56238-36	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56238-36	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56238-36	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56238-36	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56238-36	<0.1 <0.1
Endrin Aldehyde	mg/kg	56238-36	<0.1 <0.1
Methoxychlor	mg/kg	56238-36	<0.1 <0.1
Endrin Ketone	mg/kg	56238-36	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56238-36	95 97 RPD: 2

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56238-36	<0.1 <0.1		
Fenitrothion	mg/kg	56238-36	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56238-36	<0.1 <0.1		
Ethion	mg/kg	56238-36	<0.1 <0.1		
OP_Surrogate 1	%	56238-36	95 97 RPD: 2		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1221	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1232	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1242	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1248	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1254	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1260	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1262	mg/kg	56238-36	<0.1 <0.1		
Arochlor 1268	mg/kg	56238-36	<0.1 <0.1		
Total Positive PCB	mg/kg	56238-36	<0.90 <0.90		
PCB_Surrogate 1	%	56238-36	95 97 RPD: 2		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56238-31	4 5 RPD: 22	LCS	94%
Cadmium	mg/kg	56238-31	0.2 0.2 RPD: 0	LCS	98%
Chromium	mg/kg	56238-31	3.5 3.6 RPD: 3	LCS	98%
Copper	mg/kg	56238-31	6.8 7.4 RPD: 8	LCS	100%
Lead	mg/kg	56238-31	11 12 RPD: 9	LCS	97%
Mercury	mg/kg	56238-31	<0.05 <0.05	[NR]	[NR]
Nickel	mg/kg	56238-31	1.4 1.6 RPD: 13	LCS	98%
Zinc	mg/kg	56238-31	16 17 RPD: 6	LCS	96%

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56238-36	<20 <20
TRH C ₁₀ - C ₁₄	mg/kg	56238-36	<20 <20
TRH C ₁₅ - C ₂₈	mg/kg	56238-36	<50 <50
TRH C ₂₉ - C ₃₆	mg/kg	56238-36	<50 <50
Benzene	mg/kg	56238-36	<0.5 <0.5
Toluene	mg/kg	56238-36	<0.5 <0.5
Ethylbenzene	mg/kg	56238-36	<0.5 <0.5
Total Xylenes	mg/kg	56238-36	<1.5 <1.5
BTEX Surrogate (%)	%	56238-36	91 85 RPD: 7
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	56238-45	<0.1 <0.1
Acenaphthylene	mg/kg	56238-45	<0.1 <0.1
Acenaphthene	mg/kg	56238-45	<0.1 <0.1
Fluorene	mg/kg	56238-45	<0.1 <0.1
Phenanthrene	mg/kg	56238-45	<0.1 <0.1
Anthracene	mg/kg	56238-45	<0.1 <0.1
Fluoranthene	mg/kg	56238-45	<0.1 <0.1
Pyrene	mg/kg	56238-45	<0.1 <0.1
Benzo[a]anthracene	mg/kg	56238-45	<0.1 <0.1
Chrysene	mg/kg	56238-45	<0.1 <0.1
Benzo[b,k]fluoranthene	mg/kg	56238-45	<0.2 <0.2
Benzo[a]pyrene	mg/kg	56238-45	<0.05 <0.05
Indeno[123-cd]pyrene	mg/kg	56238-45	<0.1 <0.1
Dibenzo[ah]anthracene	mg/kg	56238-45	<0.1 <0.1
Benzo[ghi]perylene	mg/kg	56238-45	<0.1 <0.1
Total PAHs	mg/kg	56238-45	<1.55 <1.55
Nitrobenzene-d5	%	56238-45	110 112 RPD: 2
2-Fluorobiphenyl	%	56238-45	115 120 RPD: 4
<i>p</i> -Terphenyl-d14	%	56238-45	119 123 RPD: 3

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56238-45	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56238-45	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56238-45	<0.1 <0.1
Heptachlor	mg/kg	56238-45	<0.1 <0.1
Aldrin	mg/kg	56238-45	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56238-45	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56238-45	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56238-45	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56238-45	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56238-45	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56238-45	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56238-45	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56238-45	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56238-45	<0.1 <0.1
Dieldrin	mg/kg	56238-45	<0.1 <0.1
Endrin	mg/kg	56238-45	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56238-45	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56238-45	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56238-45	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56238-45	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56238-45	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56238-45	<0.1 <0.1
Endrin Aldehyde	mg/kg	56238-45	<0.1 <0.1
Methoxychlor	mg/kg	56238-45	<0.1 <0.1
Endrin Ketone	mg/kg	56238-45	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56238-45	105 101 RPD: 4

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Chlorpyrifos	mg/kg	56238-45	<0.1 <0.1
Fenitrothion	mg/kg	56238-45	<0.1 <0.1
Bromofos Ethyl	mg/kg	56238-45	<0.1 <0.1
Ethion	mg/kg	56238-45	<0.1 <0.1
OP_Surrogate 1	%	56238-45	105 101 RPD: 4
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arochlor 1016	mg/kg	56238-45	<0.1 <0.1
Arochlor 1221	mg/kg	56238-45	<0.1 <0.1
Arochlor 1232	mg/kg	56238-45	<0.1 <0.1
Arochlor 1242	mg/kg	56238-45	<0.1 <0.1
Arochlor 1248	mg/kg	56238-45	<0.1 <0.1
Arochlor 1254	mg/kg	56238-45	<0.1 <0.1
Arochlor 1260	mg/kg	56238-45	<0.1 <0.1
Arochlor 1262	mg/kg	56238-45	<0.1 <0.1
Arochlor 1268	mg/kg	56238-45	<0.1 <0.1
Total Positive PCB	mg/kg	56238-45	<0.90 <0.90
PCB_Surrogate 1	%	56238-45	105 101 RPD: 4
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Arsenic	mg/kg	56238-41	10 9 RPD: 11
Cadmium	mg/kg	56238-41	0.8 0.6 RPD: 29
Chromium	mg/kg	56238-41	15 14 RPD: 7
Copper	mg/kg	56238-41	38 3.4 RPD: 167
Lead	mg/kg	56238-41	210 170 RPD: 21
Mercury	mg/kg	56238-41	0.35 0.42 RPD: 18
Nickel	mg/kg	56238-41	13 12 RPD: 8
Zinc	mg/kg	56238-41	250 190 RPD: 27

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56238-45	<20 [N/T]
TRH C ₁₀ - C ₁₄	mg/kg	56238-45	<20 <20
TRH C ₁₅ - C ₂₈	mg/kg	56238-45	<50 <50
TRH C ₂₉ - C ₃₆	mg/kg	56238-45	<50 <50
Benzene	mg/kg	56238-45	<0.5 [N/T]
Toluene	mg/kg	56238-45	<0.5 [N/T]
Ethylbenzene	mg/kg	56238-45	<0.5 [N/T]
Total Xylenes	mg/kg	56238-45	<1.5 [N/T]
BTEX Surrogate (%)	%	56238-45	89 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[HBG]	: Results not Reported due to High Background Interference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Result Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

No respirable fibres detected using trace analysis technique.

Sub Sample taken from the Jar/Bag supplied by client for Asbestos analysis at the clients request.

Asbestos analysed by Wonnie Condos

Date Organics extraction commenced: 06/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

29 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI-TCLP Testing

Report Number: 56238A

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	5 Soils
Date of Receipt of Samples:	2/11/07 & 6/11/07	
Date of Receipt of Instructions:	22/11/07	
Date Preliminary Report Emailed:	Not Issued	

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

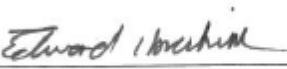
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES


Ly Kim Ha
Senior Organic Chemist


Edward Ibrahim
Laboratory Services Manager


Alexandra Stenta
Key Account Representative

Page 1 of 7



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PAHs in TCLP (USEPA 1311)				
Our Reference:	UNITS	56238A-13	56238A-17	56238A-20
Your Reference	-----	15/0.2	Pit 9/0.1	R1
Sample Type	-----	Soil	Soil	Soil
Date Sampled		25/10/2007	25/10/2007	25/10/2007
pH of soil for fluid# determ.	pH units	7.01	6.64	9.24
Extraction fluid used	-	1	1	1
pH of soil for fluid # determ. (acid)	pH units	1.70	1.61	1.89
pH of final Leachate	pH units	5.14	4.93	6.60
Naphthalene	µg/L	<0.5	<0.5	<0.5
Acenaphthylene	µg/L	<0.5	<0.5	<0.5
Acenaphthene	µg/L	<0.5	<0.5	<0.5
Fluorene	µg/L	<0.5	<0.5	<0.5
Phenanthrene	µg/L	<0.5	<0.5	<0.5
Anthracene	µg/L	<0.5	<0.5	<0.5
Fluoranthene	µg/L	<0.5	<0.5	<0.5
Pyrene	µg/L	<0.5	<0.5	<0.5
Benzo[a]anthracene	µg/L	<0.5	<0.5	<0.5
Chrysene	µg/L	<0.5	<0.5	<0.5
Benzo[b,k]fluoranthene	µg/L	<1.0	<1.0	<1.0
Benzo[a]pyrene	µg/L	<0.5	<0.5	<0.5
Indeno[123-cd]pyrene	µg/L	<0.5	<0.5	<0.5
Dibenzo[ah]anthracene	µg/L	<0.5	<0.5	<0.5
Benzo[ghi]perylene	µg/L	<0.5	<0.5	<0.5
Total PAHs	µg/L	<8.0	<8.0	<8.0
Nitrobenzene-d5	%	109	116	100
2-Fluorobiphenyl	%	112	108	88
p -Terphenyl-d14	%	128	124	122

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56238A-13 15/0.2 Soil 25/10/2007	56238A-17 Pit 9/0.1 Soil 25/10/2007	56238A-20 R1 Soil 25/10/2007	56238A-24 R5 Soil 30/10/2007	56238A-37 23A/1.5 Soil 31/10/2007
pH of soil for fluid# determ.	pH units	[NA]	[NA]	[NA]	7.67	6.83
Extraction fluid used	-	[NA]	[NA]	[NA]	1	1
pH of soil for fluid # determ. (acid)	pH units	[NA]	[NA]	[NA]	1.63	1.66
pH of final Leachate	pH units	[NA]	[NA]	[NA]	4.79	4.70
Arsenic	mg/L	[NA]	<0.05	<0.05	<0.05	[NA]
Cadmium	mg/L	[NA]	<0.005	[NA]	[NA]	[NA]
Chromium	mg/L	[NA]	<0.005	<0.005	<0.005	[NA]
Nickel	mg/L	<0.010	0.010	<0.010	<0.010	0.012
Lead	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.

QUALITY CONTROL PAHs in TCLP (USEPA 1311)	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Naphthalene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	87%
Acenaphthylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	77%
Acenaphthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	102%
Fluorene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Phenanthrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	97%
Anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	99%
Fluoranthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	98%
Pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	101%
Benzo[a]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Chrysene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[b,k]fluoranthene	µg/L	1.0	SEO-030	<1.0	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	120%
Indeno[123-cd]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Total PAHs	µg/L	8.0		8.0	[NT]	[NT]	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	97	[NT]	[NT]	LCS	105%
2-Fluorobiphenyl	%	0	SEO-030	103	[NT]	[NT]	LCS	112%
p -Terphenyl-d 14	%	0	SEO-030	117	[NT]	[NT]	LCS	119%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Metals in TCLP								
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Arsenic	mg/L	0.05	SEM-010	<0.05	[NT]	[NT]	LCS	101%
Cadmium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	107%
Chromium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	104%
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	106%

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Date Organics extraction commenced: 27/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

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Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

7 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI

Report Number: 56238B

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	10 Soils
Date of Receipt of Samples:		2/11/07
Date of Receipt of Instructions:		30/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

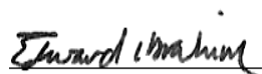
The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Edward Ibrahim

Lab Manager



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Inorganics						
Our Reference:	UNITS	56238B-2	56238B-3	56238B-12	56238B-16	56238B-27
Your Reference	-----	32/0.6	35/0.7	41/2.0	11/0.7	47/2.3
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		26/10/2007	26/10/2007	25/10/2007	25/10/2007	25/10/2007
pH 1:5 soil:water 1:5 soil:water	pH Units	4.5	5.3	5.1	5.1	6.0
Chloride, Cl 1:5 soil:water	mg/kg	89	9.4	180	11	86
Sulphate, SO4 1:5 soil:water	mg/kg	150	63	420	50	66

Inorganics						
Our Reference:	UNITS	56238B-28	56238B-29	56238B-32	56238B-42	56238B-43
Your Reference	-----	38/1.9	29/0.1	28/1.6	2/1.6	4a/1.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		26/10/2007	26/10/2007	30/10/2007	29/10/2007	29/10/2007
pH 1:5 soil:water 1:5 soil:water	pH Units	6.1	5.8	5.0	5.3	5.4
Chloride, Cl 1:5 soil:water	mg/kg	32	1.5	140	150	62
Sulphate, SO4 1:5 soil:water	mg/kg	140	4	81	190	35

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEI-038	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 20th ED, 4110-B.

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Inorganics								
pH 1:5 soil:water 1:5 soil:water	pH Units	0	AN101	0.00	56238B-2	4.5 4.6 RPD: 2	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	0.5	SEI-038	<0.5	56238B-2	89 92 RPD: 3	56238B-12	102 [N/T]
Sulphate, SO ₄ 1:5 soil:water	mg/kg	2	SEI-038	<2	56238B-2	150 160 RPD: 6	56238B-12	105 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Date Organics extraction commenced: N/A

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

15 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56338

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	29 Soils
Date of Receipt of Samples:		7/11/07
Date of Receipt of Instructions:		7/11/07
Date Preliminary Report Emailed:		14/11/07

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

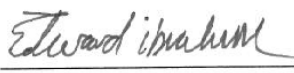
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



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TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	110	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	92	80	64	72	65

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	42	<20
TRH C ₁₅ - C ₂₈	mg/kg	65	<50	170	320	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	57	120	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	78	84	73	90	77

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	280	120
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	170	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	79	79	87	78	81

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	91	40	<20	<20	35
TRH C ₁₅ - C ₂₈	mg/kg	530	290	190	<50	270
TRH C ₂₉ - C ₃₆	mg/kg	100	58	<50	<50	100
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	72	92	77	98	75

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	110	54	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	640	380	180	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	270	150	97	77	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	97	73	102	96

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.5	<0.1	0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	0.4	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	0.3	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	0.6	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	0.30	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<4.04	<1.55	<1.59	<1.55
Nitrobenzene-d5	%	84	86	91	86	93
2-Fluorobiphenyl	%	85	90	92	93	96
<i>p</i> -Terphenyl-d14	%	113	122	116	123	126

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.4	<0.1	0.7	1.5	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.8	<0.1	0.6	0.6	<0.1
Pyrene	mg/kg	0.7	<0.1	0.5	0.4	<0.1
Benzo[a]anthracene	mg/kg	0.3	<0.1	0.3	0.3	<0.1
Chrysene	mg/kg	0.4	<0.1	0.3	0.4	<0.1
Benzo[b,k]fluoranthene	mg/kg	0.6	<0.2	0.4	0.4	<0.2
Benzo[a]pyrene	mg/kg	0.40	<0.05	0.15	0.13	<0.05
Indeno[123-cd]pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.3	<0.1	0.1	<0.1	<0.1
Total PAHs	mg/kg	<4.68	<1.55	<3.71	<4.73	<1.55
Nitrobenzene-d5	%	72	87	90	90	84
2-Fluorobiphenyl	%	78	88	99	96	89
p -Terphenyl-d14	%	109	113	121	114	121

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.5	0.4
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.3	0.6
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.3	0.5
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	0.4
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.3	0.4
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.3	0.6
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.07	0.33
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<2.68	<4.09
Nitrobenzene-d5	%	93	87	94	89	95
2-Fluorobiphenyl	%	93	89	95	99	98
p -Terphenyl-d14	%	121	116	120	115	121

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.3	0.9	1.0	0.2	1.3
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.7	0.4	0.6	<0.1	0.5
Pyrene	mg/kg	0.5	0.3	0.5	<0.1	0.4
Benzo[a]anthracene	mg/kg	0.3	0.2	0.3	<0.1	0.3
Chrysene	mg/kg	0.4	0.3	0.3	<0.1	0.3
Benzo[b,k]fluoranthene	mg/kg	0.3	0.2	0.4	<0.2	0.2
Benzo[a]pyrene	mg/kg	0.10	0.11	0.25	<0.05	0.12
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Total PAHs	mg/kg	<4.39	<3.32	<4.18	<1.65	<4.02
Nitrobenzene-d5	%	96	96	88	85	76
2-Fluorobiphenyl	%	102	102	97	86	86
p -Terphenyl-d14	%	111	114	116	92	104

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Naphthalene	mg/kg	1.3	0.1	0.2	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	3.9	1.1	1.2	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Fluoranthene	mg/kg	0.7	0.5	2.6	<0.1	<0.1
Pyrene	mg/kg	0.6	0.4	2.5	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.3	0.2	2.2	<0.1	<0.1
Chrysene	mg/kg	0.4	0.3	1.7	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	0.2	<0.2	3.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.08	0.06	1.7	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	0.8	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	0.7	<0.1	<0.1
Total PAHs	mg/kg	<8.18	<3.56	<17.89	<1.55	<1.55
Nitrobenzene-d5	%	100	113	79	115	94
2-Fluorobiphenyl	%	86	110	75	113	96
p -Terphenyl-d14	%	95	102	126	128	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	105	115	105	111	112

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>	%	112	111	119	109	109

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	107	109	114	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	109	110	102	111

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	99	97	93	93	95

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	105	115	105	111	112

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	112	111	119	109	109

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	107	109	114	107

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	109	110	102	111

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	99	97	93	93	95

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	105	115	105	111	112

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	112	111	119	109	109

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	107	109	114	107

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	109	110	102	111

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	99	97	93	93	95

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Arsenic	mg/kg	9	5	<3	7	5
Cadmium	mg/kg	2.5	0.2	<0.1	0.2	0.2
Chromium	mg/kg	41	16	3.1	8.4	5.7
Copper	mg/kg	34	12	7.5	19	7.3
Lead	mg/kg	120	22	3	21	20
Mercury	mg/kg	<0.05	0.13	<0.05	0.06	<0.05
Nickel	mg/kg	9.0	7.1	16	11	4.9
Zinc	mg/kg	200	22	27	58	33

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Arsenic	mg/kg	15	4	10	18	5
Cadmium	mg/kg	0.6	0.3	3.9	0.4	0.3
Chromium	mg/kg	8.7	12	9.4	2.9	8.6
Copper	mg/kg	26	4.7	27	18	18
Lead	mg/kg	70	18	410	25	11
Mercury	mg/kg	0.06	<0.05	0.08	0.27	0.05
Nickel	mg/kg	11	7.1	9.4	9.6	24
Zinc	mg/kg	120	30	1,900	88	85

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Arsenic	mg/kg	4	11	7	8	11
Cadmium	mg/kg	0.1	0.1	0.2	0.4	0.5
Chromium	mg/kg	5.4	6.4	8.3	3.3	10
Copper	mg/kg	7.0	19	8.7	40	27
Lead	mg/kg	7	11	25	22	110
Mercury	mg/kg	<0.05	0.07	<0.05	0.05	0.21
Nickel	mg/kg	2.7	7.1	4.8	6.5	10
Zinc	mg/kg	19	23	30	46	190

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Arsenic	mg/kg	10	8	6	13	11
Cadmium	mg/kg	0.3	0.5	1.0	0.1	0.6
Chromium	mg/kg	4.3	5.1	7.2	2.4	3.5
Copper	mg/kg	19	27	180	6.1	35
Lead	mg/kg	24	25	180	5	29
Mercury	mg/kg	0.09	0.06	0.17	<0.05	0.09
Nickel	mg/kg	7.4	9.4	19	5.4	11
Zinc	mg/kg	45	160	450	11	67

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Arsenic	mg/kg	130	85	8	4	8
Cadmium	mg/kg	0.3	0.3	0.3	0.3	0.1
Chromium	mg/kg	4.9	2.7	6.6	12	9.4
Copper	mg/kg	20	14	14	5.9	26
Lead	mg/kg	21	20	56	15	13
Mercury	mg/kg	0.48	0.57	0.11	<0.05	0.05
Nickel	mg/kg	10	7.0	4.0	6.2	9.0
Zinc	mg/kg	72	36	210	33	31

Asbestos ID in soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-26 52/0-0.15 Soil	56338-28 67/0.5-0.6 Soil
Sample Description		141g Soil	136g Soil, Rocks
Asbestos ID in soil	-	No asbestos detected	Chrysotile asbestos detected

Asbestos ID in materials Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-27 67/0.3-0.5 Soil
Sample Description		Cement Sheet Fragment 80x70x4m m
Asbestos ID in materials	-	Chrysotile asbestos detected

Moisture						
Our Reference:	UNITS	56338-1	56338-2	56338-3	56338-4	56338-5
Your Reference	-----	50/0.2-0.3	51/0.8-1.0	53/0.8-1.0	54/0.8-1.0	55/0-0.2
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	31/10/2007	31/10/2007	31/10/2007
Moisture	%	8	22	26	21	14

Moisture						
Our Reference:	UNITS	56338-6	56338-7	56338-8	56338-9	56338-10
Your Reference	-----	56/0-0.15	58/0.1-0.3	59/0-0.15	60/0.3-0.5	61/0.8-1.0
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	31/10/2007	31/10/2007	31/10/2007
Moisture	%	12	15	38	12	17

Moisture						
Our Reference:	UNITS	56338-11	56338-12	56338-13	56338-14	56338-15
Your Reference	-----	62/0.3-0.5	63/0.3-0.5	64/1.3-1.5	65/0-0.15	66/0.3-0.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	2/11/2007	2/11/2007	2/11/2007
Moisture	%	10	14	12	16	18

Moisture						
Our Reference:	UNITS	56338-16	56338-17	56338-18	56338-19	56338-20
Your Reference	-----	70/1.7-1.8	71/0-0.15	72/1.3-1.5	73/0.2-0.3	74/0.8-1.0
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	2/11/2007	2/11/2007	2/11/2007
Moisture	%	15	12	26	7	25

Moisture						
Our Reference:	UNITS	56338-21	56338-22	56338-23	56338-24	56338-25
Your Reference	-----	75/1.1-1.3	D106	D109	D111	D112
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	31/10/2007	31/10/2007	2/11/2007	
Moisture	%	16	11	23	14	22

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at $105 \pm 5^{\circ}\text{C}$.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56338-1	<20 <20	56338-2	88%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56338-1	<20 <20	56338-2	67%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56338-1	<50 <50	56338-2	109%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56338-1	<50 <50	56338-2	62%
Benzene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	81%
Toluene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	82%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	83%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56338-1	<1.5 <1.5	56338-2	84%
BTEX Surrogate (%)	%	0	SEO-018	97	56338-1	92 89 RPD: 3	56338-2	75%
QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56338-21	1.3 1.3 RPD: 0	56338-24	81%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	73%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	97%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56338-21	3.9 3.9 RPD: 0	56338-24	85%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	89%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.7 0.7 RPD: 0	56338-24	92%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.6 0.6 RPD: 0	56338-24	84%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.3 0.3 RPD: 0	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.4 0.4 RPD: 0	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56338-21	0.2 0.2 RPD: 0	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56338-21	0.08 0.07 RPD: 13	56338-24	84%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56338-21	<8.18 <8.17	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	97	56338-21	100 100 RPD: 0	56338-24	89%
2-Fluorobiphenyl	%	0	SEO-030	105	56338-21	86 85 RPD: 1	56338-24	88%
<i>p</i> -Terphenyl-d 14	%	0	SEO-030	129	56338-21	95 92 RPD: 3	56338-24	96%

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	132%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	129%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	130%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	120%
Endrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	127%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	97%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-13	113%

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	129%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-13	113%
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-15	118%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	<0.90	56338-5	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-15	116%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56338-1	9 8 RPD: 12	56338-2	81%
Cadmium	mg/kg	0.1	SEM-010	<0.1	56338-1	2.5 2.2 RPD: 13	56338-2	82%
Chromium	mg/kg	0.3	SEM-010	<0.3	56338-1	41 36 RPD: 13	56338-2	79%
Copper	mg/kg	0.5	SEM-010	<0.5	56338-1	34 33 RPD: 3	56338-2	78%
Lead	mg/kg	1	SEM-010	<1	56338-1	120 110 RPD: 9	56338-2	76%
Mercury	mg/kg	0.05	SEM-005	<0.05	56338-1	<0.05 <0.05	56338-2	89%
Nickel	mg/kg	0.5	SEM-010	<0.5	56338-1	9.0 9.0 RPD: 0	56338-2	79%
Zinc	mg/kg	0.3	SEM-010	<0.3	56338-1	200 180 RPD: 11	56338-2	80%

QUALITY CONTROL Hold sample-NO test required	UNITS	PQL	METHOD	Blank
Sample on HOLD				[NT]
QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Moisture	%	1	AN002	<1

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56338-11	<20 <20	56338-22	123%
TRH C ₁₀ - C ₁₄	mg/kg	56338-11	<20 <20	56338-22	83%
TRH C ₁₅ - C ₂₈	mg/kg	56338-11	<50 <50	56338-22	104%
TRH C ₂₉ - C ₃₆	mg/kg	56338-11	<50 <50	56338-22	76%
Benzene	mg/kg	56338-11	<0.5 <0.5	56338-22	102%
Toluene	mg/kg	56338-11	<0.5 <0.5	56338-22	99%
Ethylbenzene	mg/kg	56338-11	<0.5 <0.5	56338-22	100%
Total Xylenes	mg/kg	56338-11	<1.5 <1.5	56338-22	101%
BTEX Surrogate (%)	%	56338-11	79 89 RPD: 12	56338-22	104%
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	56338-1	<0.1 <0.1	56338-7	96%
Acenaphthylene	mg/kg	56338-1	<0.1 <0.1	56338-7	81%
Acenaphthene	mg/kg	56338-1	<0.1 <0.1	56338-7	112%
Fluorene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	56338-1	<0.1 <0.1	56338-7	99%
Anthracene	mg/kg	56338-1	<0.1 <0.1	56338-7	103%
Fluoranthene	mg/kg	56338-1	<0.1 <0.1	56338-7	93%
Pyrene	mg/kg	56338-1	<0.1 <0.1	56338-7	103%
Benzo[a]anthracene	mg/kg	56338-1	<0.1 <0.1	56338-7	125%
Chrysene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	56338-1	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	56338-1	<0.05 <0.05	[NR]	[NR]
Indeno[123-cd]pyrene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	56338-1	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	56338-1	84 86 RPD: 2	56338-7	98%
2-Fluorobiphenyl	%	56338-1	85 87 RPD: 2	56338-7	101%

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
<i>p</i> -Terphenyl- <i>d</i> 14	%	56338-1	113 113 RPD: 0	56338-7	130%
QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	56338-12	<0.1 <0.1	56338-23	123%
Aldrin	mg/kg	56338-12	<0.1 <0.1	56338-23	121%
<i>beta</i> -BHC	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	56338-12	<0.1 <0.1	56338-23	116%
Heptachlor Epoxide	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	56338-12	<0.1 <0.1	56338-23	116%
Endrin	mg/kg	56338-12	<0.1 <0.1	56338-23	123%
<i>o,p</i> -DDD	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	56338-12	<0.1 <0.1	56338-23	113%
Endosulfan Sulphate	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene (Surrogate)	%	56338-12	107 107 RPD: 0	56338-23	100%

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	56338-12	<0.1 <0.1	56338-23	121%
Fenitrothion	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	56338-12	107 107 RPD: 0	56338-23	100%
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	56338-12	<0.1 <0.1	56338-25	113%
Arochlor 1262	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	56338-12	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	56338-12	107 107 RPD: 0	56338-25	100%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56338-11	4 4 RPD: 0	LCS	104%
Cadmium	mg/kg	56338-11	0.1 0.1 RPD: 0	[NR]	[NR]
Chromium	mg/kg	56338-11	5.4 5.2 RPD: 4	[NR]	[NR]
Copper	mg/kg	56338-11	7.0 6.9 RPD: 1	[NR]	[NR]
Lead	mg/kg	56338-11	7 9.5 RPD: 30	[NR]	[NR]
Mercury	mg/kg	56338-11	<0.05 <0.05	LCS	93%
Nickel	mg/kg	56338-11	2.7 3.0 RPD: 11	[NR]	[NR]
Zinc	mg/kg	56338-11	19 19 RPD: 0	[NR]	[NR]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56338-21	<20 <20
TRH C ₁₀ - C ₁₄	mg/kg	56338-21	110 110 RPD: 0
TRH C ₁₅ - C ₂₈	mg/kg	56338-21	640 690 RPD: 8
TRH C ₂₉ - C ₃₆	mg/kg	56338-21	270 300 RPD: 11
Benzene	mg/kg	56338-21	<0.5 <0.5
Toluene	mg/kg	56338-21	<0.5 <0.5
Ethylbenzene	mg/kg	56338-21	<0.5 <0.5
Total Xylenes	mg/kg	56338-21	<1.5 <1.5
BTEX Surrogate (%)	%	56338-21	82 78 RPD: 5
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	56338-11	<0.1 <0.1
Acenaphthylene	mg/kg	56338-11	<0.1 <0.1
Acenaphthene	mg/kg	56338-11	<0.1 <0.1
Fluorene	mg/kg	56338-11	<0.1 <0.1
Phenanthrene	mg/kg	56338-11	<0.1 <0.1
Anthracene	mg/kg	56338-11	<0.1 <0.1
Fluoranthene	mg/kg	56338-11	<0.1 <0.1
Pyrene	mg/kg	56338-11	<0.1 <0.1
Benzo[a]anthracene	mg/kg	56338-11	<0.1 <0.1
Chrysene	mg/kg	56338-11	<0.1 <0.1
Benzo[b,k]fluoranthene	mg/kg	56338-11	<0.2 <0.2
Benzo[a]pyrene	mg/kg	56338-11	<0.05 <0.05
Indeno[123-cd]pyrene	mg/kg	56338-11	<0.1 <0.1
Dibenzo[ah]anthracene	mg/kg	56338-11	<0.1 <0.1
Benzo[ghi]perylene	mg/kg	56338-11	<0.1 <0.1
Total PAHs	mg/kg	56338-11	<1.55 <1.55
Nitrobenzene-d5	%	56338-11	93 95 RPD: 2
2-Fluorobiphenyl	%	56338-11	93 96 RPD: 3
<i>p</i> -Terphenyl-d14	%	56338-11	121 125 RPD: 3

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56338-22	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56338-22	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56338-22	<0.1 <0.1
Heptachlor	mg/kg	56338-22	<0.1 <0.1
Aldrin	mg/kg	56338-22	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56338-22	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56338-22	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56338-22	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56338-22	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56338-22	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56338-22	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56338-22	<0.1 <0.1
Dieldrin	mg/kg	56338-22	<0.1 <0.1
Endrin	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56338-22	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56338-22	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56338-22	<0.1 <0.1
Endrin Aldehyde	mg/kg	56338-22	<0.1 <0.1
Methoxychlor	mg/kg	56338-22	<0.1 <0.1
Endrin Ketone	mg/kg	56338-22	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56338-22	97 95 RPD: 2

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56338-22	<0.1 <0.1		
Fenitrothion	mg/kg	56338-22	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56338-22	<0.1 <0.1		
Ethion	mg/kg	56338-22	<0.1 <0.1		
OP_Surrogate 1	%	56338-22	97 95 RPD: 2		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1221	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1232	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1242	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1248	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1254	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1260	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1262	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1268	mg/kg	56338-22	<0.1 <0.1		
Total Positive PCB	mg/kg	56338-22	<0.90 <0.90		
PCB_Surrogate 1	%	56338-22	97 95 RPD: 2		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56338-21	130 120 RPD: 8	56338-22	104 [N/T]
Cadmium	mg/kg	56338-21	0.3 0.3 RPD: 0	56338-22	94 [N/T]
Chromium	mg/kg	56338-21	4.9 5.3 RPD: 8	56338-22	97 [N/T]
Copper	mg/kg	56338-21	20 27 RPD: 30	56338-22	101 [N/T]
Lead	mg/kg	56338-21	21 25 RPD: 17	56338-22	85 [N/T]
Mercury	mg/kg	56338-21	0.48 0.34 RPD: 34	[NR]	[NR]
Nickel	mg/kg	56338-21	10 10 RPD: 0	56338-22	95 [N/T]
Zinc	mg/kg	56338-21	72 76 RPD: 5	56338-22	105 [N/T]

Result Codes

[INS] : Insufficient Sample for this test
 [NR] : Not Requested
 [NT] : Not tested

[HBG] : Results not Reported due to High Background Interference
 * : Not part of NATA Accreditation
 [N/A] : Not Applicable

Result Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

Sample #28 : 2-3mm length fibre bundles found loose in sample.

Asbestos analysed by Wonnies Condos.

Date Organics extraction commenced: 12/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

29 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI - TCLP Testing

Report Number: 56338A

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	3 Soils
Date of Receipt of Samples:		7/11/07
Date of Receipt of Instructions:		22/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

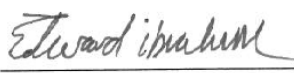
Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha
Senior Organic Chemist



Edward Ibrahim
Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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PAHs in TCLP (USEPA 1311)		
Our Reference:	UNITS	56338A-23
Your Reference	-----	D109
Sample Type	-----	Soil
Date Sampled		31/10/2007
pH of soil for fluid# determ.	pH units	6.47
Extraction fluid used	-	1
pH of soil for fluid # determ. (acid)	pH units	1.65
pH of final Leachate	pH units	4.73
Naphthalene	µg/L	<0.5
Acenaphthylene	µg/L	<0.5
Acenaphthene	µg/L	<0.5
Fluorene	µg/L	<0.5
Phenanthrene	µg/L	<0.5
Anthracene	µg/L	<0.5
Fluoranthene	µg/L	<0.5
Pyrene	µg/L	<0.5
Benzo[a]anthracene	µg/L	<0.5
Chrysene	µg/L	<0.5
Benzo[b,k]fluoranthene	µg/L	<1.0
Benzo[a]pyrene	µg/L	<0.5
Indeno[123-cd]pyrene	µg/L	<0.5
Dibenzo[ah]anthracene	µg/L	<0.5
Benzo[ghi]perylene	µg/L	<0.5
Total PAHs	µg/L	<8.0
Nitrobenzene-d5	%	101
2-Fluorobiphenyl	%	95
<i>p</i> -Terphenyl-d14	%	118

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338A-8 59/0-0.15 Soil 31/10/2007	56338A-21 75/1.1-1.3 Soil 2/11/2007
pH of soil for fluid# determ.	pH units	6.57	5.05
Extraction fluid used	-	1	1
pH of soil for fluid # determ. (acid)	pH units	1.63	1.60
pH of final Leachate	pH units	4.79	4.67
Arsenic	mg/L	[NA]	<0.05
Cadmium	mg/L	<0.005	[NA]
Nickel	mg/L	<0.010	<0.010
Lead	mg/L	<0.020	<0.020
Mercury	mg/L	[NA]	<0.0005

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.

QUALITY CONTROL PAHs in TCLP (USEPA 1311)	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Naphthalene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	86%
Acenaphthylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	82%
Acenaphthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	104%
Fluorene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Phenanthrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	95%
Anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	99%
Fluoranthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	99%
Pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	103%
Benzo[a]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Chrysene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[b,k]fluoranthene	µg/L	1.0	SEO-030	<1.0	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	117%
Indeno[123-cd]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Total PAHs	µg/L	8.0		8.0	[NT]	[NT]	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	94	[NT]	[NT]	LCS	101%
2-Fluorobiphenyl	%	0	SEO-030	94	[NT]	[NT]	LCS	100%
p - Terphenyl-d 14	%	0	SEO-030	118	[NT]	[NT]	LCS	114%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Metals in TCLP								
pH of soil for fluid# determ.	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
Arsenic	mg/L	0.05	SEM-010	<0.05	[NT]	[NT]	LCS	101%
Cadmium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	107%
Chromium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	106%
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	109%
Mercury	mg/L	0.0005	SEM-005	<0.000 5	[NT]	[NT]	LCS	109%

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Date Organics extraction commenced: 27/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

7 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI

Report Number: 56338B

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	3 Soils
Date of Receipt of Samples:		7/11/07
Date of Receipt of Instructions:		30/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

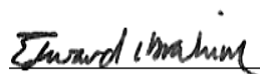
The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Edward Ibrahim

Lab Manager



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Inorganics				
Our Reference:	UNITS	56338B-13	56338B-18	56338B-20
Your Reference	-----	64/1.3-1.5	72/1.3-1.5	74/0.8-1.0
Sample Type	-----	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	2/11/2007
pH 1:5 soil:water 1:5 soil:water	pH Units	5.3	5.9	5.9
Chloride, Cl 1:5 soil:water	mg/kg	220	<5	4.3
Sulphate, SO ₄ 1:5 soil:water	mg/kg	190	44	9

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEI-038	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 20th ED, 4110-B.

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Inorganics								
pH 1:5 soil:water 1:5 soil:water	pH Units	0	AN101	0.00	[NT]	[NT]	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	0.5	SEI-038	<0.5	[NT]	[NT]	LCS	101 [N/T]
Sulphate, SO ₄ 1:5 soil:water	mg/kg	2	SEI-038	<2	[NT]	[NT]	LCS	102 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Chloride The LOR for sample number/s _18_ has been raised by a dilution factor of _10_ respectively due to sample matrix interference.

Date Organics extraction commenced: N/A

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

15 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56338

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	29 Soils
Date of Receipt of Samples:		7/11/07
Date of Receipt of Instructions:		7/11/07
Date Preliminary Report Emailed:		14/11/07

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

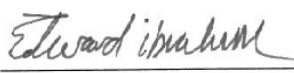
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



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ACCREDITATION

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ABN 44 000 964 278

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Member of the SGS Group

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	110	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	92	80	64	72	65

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	42	<20
TRH C ₁₅ - C ₂₈	mg/kg	65	<50	170	320	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	57	120	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	78	84	73	90	77

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	280	120
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	170	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	79	79	87	78	81

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	91	40	<20	<20	35
TRH C ₁₅ - C ₂₈	mg/kg	530	290	190	<50	270
TRH C ₂₉ - C ₃₆	mg/kg	100	58	<50	<50	100
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	72	92	77	98	75

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	110	54	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	640	380	180	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	270	150	97	77	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	97	73	102	96

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.5	<0.1	0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	0.6	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	0.4	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	0.3	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	0.6	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	0.30	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<4.04	<1.55	<1.59	<1.55
Nitrobenzene-d5	%	84	86	91	86	93
2-Fluorobiphenyl	%	85	90	92	93	96
<i>p</i> -Terphenyl-d14	%	113	122	116	123	126

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.4	<0.1	0.7	1.5	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.8	<0.1	0.6	0.6	<0.1
Pyrene	mg/kg	0.7	<0.1	0.5	0.4	<0.1
Benzo[a]anthracene	mg/kg	0.3	<0.1	0.3	0.3	<0.1
Chrysene	mg/kg	0.4	<0.1	0.3	0.4	<0.1
Benzo[b,k]fluoranthene	mg/kg	0.6	<0.2	0.4	0.4	<0.2
Benzo[a]pyrene	mg/kg	0.40	<0.05	0.15	0.13	<0.05
Indeno[123-cd]pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.3	<0.1	0.1	<0.1	<0.1
Total PAHs	mg/kg	<4.68	<1.55	<3.71	<4.73	<1.55
Nitrobenzene-d5	%	72	87	90	90	84
2-Fluorobiphenyl	%	78	88	99	96	89
p -Terphenyl-d14	%	109	113	121	114	121

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	0.5	0.4
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.3	0.6
Pyrene	mg/kg	<0.1	<0.1	<0.1	0.3	0.5
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	0.4
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.3	0.4
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.3	0.6
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.07	0.33
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<2.68	<4.09
Nitrobenzene-d5	%	93	87	94	89	95
2-Fluorobiphenyl	%	93	89	95	99	98
p -Terphenyl-d14	%	121	116	120	115	121

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.3	0.9	1.0	0.2	1.3
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.7	0.4	0.6	<0.1	0.5
Pyrene	mg/kg	0.5	0.3	0.5	<0.1	0.4
Benzo[a]anthracene	mg/kg	0.3	0.2	0.3	<0.1	0.3
Chrysene	mg/kg	0.4	0.3	0.3	<0.1	0.3
Benzo[b,k]fluoranthene	mg/kg	0.3	0.2	0.4	<0.2	0.2
Benzo[a]pyrene	mg/kg	0.10	0.11	0.25	<0.05	0.12
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	0.1	<0.1	<0.1
Total PAHs	mg/kg	<4.39	<3.32	<4.18	<1.65	<4.02
Nitrobenzene-d5	%	96	96	88	85	76
2-Fluorobiphenyl	%	102	102	97	86	86
p -Terphenyl-d14	%	111	114	116	92	104

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Naphthalene	mg/kg	1.3	0.1	0.2	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	3.9	1.1	1.2	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Fluoranthene	mg/kg	0.7	0.5	2.6	<0.1	<0.1
Pyrene	mg/kg	0.6	0.4	2.5	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.3	0.2	2.2	<0.1	<0.1
Chrysene	mg/kg	0.4	0.3	1.7	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	0.2	<0.2	3.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.08	0.06	1.7	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	0.8	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	0.7	<0.1	<0.1
Total PAHs	mg/kg	<8.18	<3.56	<17.89	<1.55	<1.55
Nitrobenzene-d5	%	100	113	79	115	94
2-Fluorobiphenyl	%	86	110	75	113	96
p -Terphenyl-d14	%	95	102	126	128	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	105	115	105	111	112

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>	%	112	111	119	109	109

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	107	109	114	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	109	110	102	111

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	99	97	93	93	95

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	105	115	105	111	112

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	112	111	119	109	109

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	107	109	114	107

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	109	110	102	111

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	99	97	93	93	95

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	105	115	105	111	112

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	112	111	119	109	109

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	107	109	114	107

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	109	110	102	111

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	99	97	93	93	95

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-1 50/0.2-0.3 Soil 31/10/2007	56338-2 51/0.8-1.0 Soil 31/10/2007	56338-3 53/0.8-1.0 Soil 31/10/2007	56338-4 54/0.8-1.0 Soil 31/10/2007	56338-5 55/0-0.2 Soil 31/10/2007
Arsenic	mg/kg	9	5	<3	7	5
Cadmium	mg/kg	2.5	0.2	<0.1	0.2	0.2
Chromium	mg/kg	41	16	3.1	8.4	5.7
Copper	mg/kg	34	12	7.5	19	7.3
Lead	mg/kg	120	22	3	21	20
Mercury	mg/kg	<0.05	0.13	<0.05	0.06	<0.05
Nickel	mg/kg	9.0	7.1	16	11	4.9
Zinc	mg/kg	200	22	27	58	33

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-6 56/0-0.15 Soil 31/10/2007	56338-7 58/0.1-0.3 Soil 31/10/2007	56338-8 59/0-0.15 Soil 31/10/2007	56338-9 60/0.3-0.5 Soil 31/10/2007	56338-10 61/0.8-1.0 Soil 31/10/2007
Arsenic	mg/kg	15	4	10	18	5
Cadmium	mg/kg	0.6	0.3	3.9	0.4	0.3
Chromium	mg/kg	8.7	12	9.4	2.9	8.6
Copper	mg/kg	26	4.7	27	18	18
Lead	mg/kg	70	18	410	25	11
Mercury	mg/kg	0.06	<0.05	0.08	0.27	0.05
Nickel	mg/kg	11	7.1	9.4	9.6	24
Zinc	mg/kg	120	30	1,900	88	85

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-11 62/0.3-0.5 Soil 31/10/2007	56338-12 63/0.3-0.5 Soil 31/10/2007	56338-13 64/1.3-1.5 Soil 2/11/2007	56338-14 65/0-0.15 Soil 2/11/2007	56338-15 66/0.3-0.5 Soil 2/11/2007
Arsenic	mg/kg	4	11	7	8	11
Cadmium	mg/kg	0.1	0.1	0.2	0.4	0.5
Chromium	mg/kg	5.4	6.4	8.3	3.3	10
Copper	mg/kg	7.0	19	8.7	40	27
Lead	mg/kg	7	11	25	22	110
Mercury	mg/kg	<0.05	0.07	<0.05	0.05	0.21
Nickel	mg/kg	2.7	7.1	4.8	6.5	10
Zinc	mg/kg	19	23	30	46	190

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-16 70/1.7-1.8 Soil 2/11/2007	56338-17 71/0-0.15 Soil 2/11/2007	56338-18 72/1.3-1.5 Soil 2/11/2007	56338-19 73/0.2-0.3 Soil 2/11/2007	56338-20 74/0.8-1.0 Soil 2/11/2007
Arsenic	mg/kg	10	8	6	13	11
Cadmium	mg/kg	0.3	0.5	1.0	0.1	0.6
Chromium	mg/kg	4.3	5.1	7.2	2.4	3.5
Copper	mg/kg	19	27	180	6.1	35
Lead	mg/kg	24	25	180	5	29
Mercury	mg/kg	0.09	0.06	0.17	<0.05	0.09
Nickel	mg/kg	7.4	9.4	19	5.4	11
Zinc	mg/kg	45	160	450	11	67

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-21 75/1.1-1.3 Soil 2/11/2007	56338-22 D106 Soil 31/10/2007	56338-23 D109 Soil 31/10/2007	56338-24 D111 Soil 2/11/2007	56338-25 D112 Soil
Arsenic	mg/kg	130	85	8	4	8
Cadmium	mg/kg	0.3	0.3	0.3	0.3	0.1
Chromium	mg/kg	4.9	2.7	6.6	12	9.4
Copper	mg/kg	20	14	14	5.9	26
Lead	mg/kg	21	20	56	15	13
Mercury	mg/kg	0.48	0.57	0.11	<0.05	0.05
Nickel	mg/kg	10	7.0	4.0	6.2	9.0
Zinc	mg/kg	72	36	210	33	31

Asbestos ID in soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-26 52/0-0.15 Soil	56338-28 67/0.5-0.6 Soil
Sample Description		141g Soil	136g Soil, Rocks
Asbestos ID in soil	-	No asbestos detected	Chrysotile asbestos detected

Asbestos ID in materials Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56338-27 67/0.3-0.5 Soil
Sample Description		Cement Sheet Fragment 80x70x4m m
Asbestos ID in materials	-	Chrysotile asbestos detected

Moisture						
Our Reference:	UNITS	56338-1	56338-2	56338-3	56338-4	56338-5
Your Reference	-----	50/0.2-0.3	51/0.8-1.0	53/0.8-1.0	54/0.8-1.0	55/0-0.2
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	31/10/2007	31/10/2007	31/10/2007
Moisture	%	8	22	26	21	14

Moisture						
Our Reference:	UNITS	56338-6	56338-7	56338-8	56338-9	56338-10
Your Reference	-----	56/0-0.15	58/0.1-0.3	59/0-0.15	60/0.3-0.5	61/0.8-1.0
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	31/10/2007	31/10/2007	31/10/2007
Moisture	%	12	15	38	12	17

Moisture						
Our Reference:	UNITS	56338-11	56338-12	56338-13	56338-14	56338-15
Your Reference	-----	62/0.3-0.5	63/0.3-0.5	64/1.3-1.5	65/0-0.15	66/0.3-0.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		31/10/2007	31/10/2007	2/11/2007	2/11/2007	2/11/2007
Moisture	%	10	14	12	16	18

Moisture						
Our Reference:	UNITS	56338-16	56338-17	56338-18	56338-19	56338-20
Your Reference	-----	70/1.7-1.8	71/0-0.15	72/1.3-1.5	73/0.2-0.3	74/0.8-1.0
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	2/11/2007	2/11/2007	2/11/2007
Moisture	%	15	12	26	7	25

Moisture						
Our Reference:	UNITS	56338-21	56338-22	56338-23	56338-24	56338-25
Your Reference	-----	75/1.1-1.3	D106	D109	D111	D112
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	31/10/2007	31/10/2007	2/11/2007	
Moisture	%	16	11	23	14	22

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at $105 \pm 5^{\circ}\text{C}$.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56338-1	<20 <20	56338-2	88%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56338-1	<20 <20	56338-2	67%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56338-1	<50 <50	56338-2	109%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56338-1	<50 <50	56338-2	62%
Benzene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	81%
Toluene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	82%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56338-1	<0.5 <0.5	56338-2	83%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56338-1	<1.5 <1.5	56338-2	84%
BTEX Surrogate (%)	%	0	SEO-018	97	56338-1	92 89 RPD: 3	56338-2	75%
QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56338-21	1.3 1.3 RPD: 0	56338-24	81%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	73%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	97%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56338-21	3.9 3.9 RPD: 0	56338-24	85%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	56338-24	89%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.7 0.7 RPD: 0	56338-24	92%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.6 0.6 RPD: 0	56338-24	84%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.3 0.3 RPD: 0	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56338-21	0.4 0.4 RPD: 0	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56338-21	0.2 0.2 RPD: 0	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56338-21	0.08 0.07 RPD: 13	56338-24	84%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56338-21	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56338-21	<8.18 <8.17	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	97	56338-21	100 100 RPD: 0	56338-24	89%
2-Fluorobiphenyl	%	0	SEO-030	105	56338-21	86 85 RPD: 1	56338-24	88%
p -Terphenyl-d 14	%	0	SEO-030	129	56338-21	95 92 RPD: 3	56338-24	96%

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	132%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	129%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	130%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	120%
Endrin	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	127%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	97%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-13	113%

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-13	129%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-13	113%
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	56338-15	118%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	<0.90	56338-5	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	89	56338-5	112 111 RPD: 1	56338-15	116%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56338-1	9 8 RPD: 12	56338-2	81%
Cadmium	mg/kg	0.1	SEM-010	<0.1	56338-1	2.5 2.2 RPD: 13	56338-2	82%
Chromium	mg/kg	0.3	SEM-010	<0.3	56338-1	41 36 RPD: 13	56338-2	79%
Copper	mg/kg	0.5	SEM-010	<0.5	56338-1	34 33 RPD: 3	56338-2	78%
Lead	mg/kg	1	SEM-010	<1	56338-1	120 110 RPD: 9	56338-2	76%
Mercury	mg/kg	0.05	SEM-005	<0.05	56338-1	<0.05 <0.05	56338-2	89%
Nickel	mg/kg	0.5	SEM-010	<0.5	56338-1	9.0 9.0 RPD: 0	56338-2	79%
Zinc	mg/kg	0.3	SEM-010	<0.3	56338-1	200 180 RPD: 11	56338-2	80%

QUALITY CONTROL Hold sample-NO test required	UNITS	PQL	METHOD	Blank
Sample on HOLD				[NT]
QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Moisture	%	1	AN002	<1

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56338-11	<20 <20	56338-22	123%
TRH C ₁₀ - C ₁₄	mg/kg	56338-11	<20 <20	56338-22	83%
TRH C ₁₅ - C ₂₈	mg/kg	56338-11	<50 <50	56338-22	104%
TRH C ₂₉ - C ₃₆	mg/kg	56338-11	<50 <50	56338-22	76%
Benzene	mg/kg	56338-11	<0.5 <0.5	56338-22	102%
Toluene	mg/kg	56338-11	<0.5 <0.5	56338-22	99%
Ethylbenzene	mg/kg	56338-11	<0.5 <0.5	56338-22	100%
Total Xylenes	mg/kg	56338-11	<1.5 <1.5	56338-22	101%
BTEX Surrogate (%)	%	56338-11	79 89 RPD: 12	56338-22	104%
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	56338-1	<0.1 <0.1	56338-7	96%
Acenaphthylene	mg/kg	56338-1	<0.1 <0.1	56338-7	81%
Acenaphthene	mg/kg	56338-1	<0.1 <0.1	56338-7	112%
Fluorene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	56338-1	<0.1 <0.1	56338-7	99%
Anthracene	mg/kg	56338-1	<0.1 <0.1	56338-7	103%
Fluoranthene	mg/kg	56338-1	<0.1 <0.1	56338-7	93%
Pyrene	mg/kg	56338-1	<0.1 <0.1	56338-7	103%
Benzo[a]anthracene	mg/kg	56338-1	<0.1 <0.1	56338-7	125%
Chrysene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	56338-1	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	56338-1	<0.05 <0.05	[NR]	[NR]
Indeno[123-cd]pyrene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	56338-1	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	56338-1	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	56338-1	84 86 RPD: 2	56338-7	98%
2-Fluorobiphenyl	%	56338-1	85 87 RPD: 2	56338-7	101%

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
<i>p</i> -Terphenyl- <i>d</i> 14	%	56338-1	113 113 RPD: 0	56338-7	130%
QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	56338-12	<0.1 <0.1	56338-23	123%
Aldrin	mg/kg	56338-12	<0.1 <0.1	56338-23	121%
<i>beta</i> -BHC	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	56338-12	<0.1 <0.1	56338-23	116%
Heptachlor Epoxide	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	56338-12	<0.1 <0.1	56338-23	116%
Endrin	mg/kg	56338-12	<0.1 <0.1	56338-23	123%
<i>o,p</i> -DDD	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	56338-12	<0.1 <0.1	56338-23	113%
Endosulfan Sulphate	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylene (Surrogate)	%	56338-12	107 107 RPD: 0	56338-23	100%

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	56338-12	<0.1 <0.1	56338-23	121%
Fenitrothion	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	56338-12	107 107 RPD: 0	56338-23	100%
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	56338-12	<0.1 <0.1	56338-25	113%
Arochlor 1262	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	56338-12	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	56338-12	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	56338-12	107 107 RPD: 0	56338-25	100%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56338-11	4 4 RPD: 0	LCS	104%
Cadmium	mg/kg	56338-11	0.1 0.1 RPD: 0	[NR]	[NR]
Chromium	mg/kg	56338-11	5.4 5.2 RPD: 4	[NR]	[NR]
Copper	mg/kg	56338-11	7.0 6.9 RPD: 1	[NR]	[NR]
Lead	mg/kg	56338-11	7 9.5 RPD: 30	[NR]	[NR]
Mercury	mg/kg	56338-11	<0.05 <0.05	LCS	93%
Nickel	mg/kg	56338-11	2.7 3.0 RPD: 11	[NR]	[NR]
Zinc	mg/kg	56338-11	19 19 RPD: 0	[NR]	[NR]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56338-21	<20 <20
TRH C ₁₀ - C ₁₄	mg/kg	56338-21	110 110 RPD: 0
TRH C ₁₅ - C ₂₈	mg/kg	56338-21	640 690 RPD: 8
TRH C ₂₉ - C ₃₆	mg/kg	56338-21	270 300 RPD: 11
Benzene	mg/kg	56338-21	<0.5 <0.5
Toluene	mg/kg	56338-21	<0.5 <0.5
Ethylbenzene	mg/kg	56338-21	<0.5 <0.5
Total Xylenes	mg/kg	56338-21	<1.5 <1.5
BTEX Surrogate (%)	%	56338-21	82 78 RPD: 5
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	56338-11	<0.1 <0.1
Acenaphthylene	mg/kg	56338-11	<0.1 <0.1
Acenaphthene	mg/kg	56338-11	<0.1 <0.1
Fluorene	mg/kg	56338-11	<0.1 <0.1
Phenanthrene	mg/kg	56338-11	<0.1 <0.1
Anthracene	mg/kg	56338-11	<0.1 <0.1
Fluoranthene	mg/kg	56338-11	<0.1 <0.1
Pyrene	mg/kg	56338-11	<0.1 <0.1
Benzo[a]anthracene	mg/kg	56338-11	<0.1 <0.1
Chrysene	mg/kg	56338-11	<0.1 <0.1
Benzo[b,k]fluoranthene	mg/kg	56338-11	<0.2 <0.2
Benzo[a]pyrene	mg/kg	56338-11	<0.05 <0.05
Indeno[123-cd]pyrene	mg/kg	56338-11	<0.1 <0.1
Dibenzo[ah]anthracene	mg/kg	56338-11	<0.1 <0.1
Benzo[ghi]perylene	mg/kg	56338-11	<0.1 <0.1
Total PAHs	mg/kg	56338-11	<1.55 <1.55
Nitrobenzene-d5	%	56338-11	93 95 RPD: 2
2-Fluorobiphenyl	%	56338-11	93 96 RPD: 3
<i>p</i> -Terphenyl-d14	%	56338-11	121 125 RPD: 3

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56338-22	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56338-22	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56338-22	<0.1 <0.1
Heptachlor	mg/kg	56338-22	<0.1 <0.1
Aldrin	mg/kg	56338-22	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56338-22	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56338-22	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56338-22	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56338-22	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56338-22	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56338-22	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56338-22	<0.1 <0.1
Dieldrin	mg/kg	56338-22	<0.1 <0.1
Endrin	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56338-22	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56338-22	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56338-22	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56338-22	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56338-22	<0.1 <0.1
Endrin Aldehyde	mg/kg	56338-22	<0.1 <0.1
Methoxychlor	mg/kg	56338-22	<0.1 <0.1
Endrin Ketone	mg/kg	56338-22	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56338-22	97 95 RPD: 2

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56338-22	<0.1 <0.1		
Fenitrothion	mg/kg	56338-22	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56338-22	<0.1 <0.1		
Ethion	mg/kg	56338-22	<0.1 <0.1		
OP_Surrogate 1	%	56338-22	97 95 RPD: 2		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1221	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1232	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1242	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1248	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1254	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1260	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1262	mg/kg	56338-22	<0.1 <0.1		
Arochlor 1268	mg/kg	56338-22	<0.1 <0.1		
Total Positive PCB	mg/kg	56338-22	<0.90 <0.90		
PCB_Surrogate 1	%	56338-22	97 95 RPD: 2		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		Spike Sm#
Arsenic	mg/kg	56338-21	130 120 RPD: 8	56338-22	104 [N/T]
Cadmium	mg/kg	56338-21	0.3 0.3 RPD: 0	56338-22	94 [N/T]
Chromium	mg/kg	56338-21	4.9 5.3 RPD: 8	56338-22	97 [N/T]
Copper	mg/kg	56338-21	20 27 RPD: 30	56338-22	101 [N/T]
Lead	mg/kg	56338-21	21 25 RPD: 17	56338-22	85 [N/T]
Mercury	mg/kg	56338-21	0.48 0.34 RPD: 34	[NR]	[NR]
Nickel	mg/kg	56338-21	10 10 RPD: 0	56338-22	95 [N/T]
Zinc	mg/kg	56338-21	72 76 RPD: 5	56338-22	105 [N/T]

Result Codes

[INS] : Insufficient Sample for this test
 [NR] : Not Requested
 [NT] : Not tested

[HBG] : Results not Reported due to High Background Interference
 * : Not part of NATA Accreditation
 [N/A] : Not Applicable

Result Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

Sample #28 : 2-3mm length fibre bundles found loose in sample.

Asbestos analysed by Wonnies Condos.

Date Organics extraction commenced: 12/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

29 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI-TCLP Testing

Report Number: 56402A

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	2 Soils
Date of Receipt of Samples:		9/11/07
Date of Receipt of Instructions:		22/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

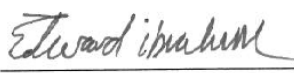
Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha
Senior Organic Chemist



Edward Ibrahim
Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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PAHs in TCLP (USEPA 1311)		
Our Reference:	UNITS	56402A-9
Your Reference	-----	23B/2.5
Sample Type	-----	Soil
Date Sampled		1/11/2007
pH of soil for fluid# determ.	pH units	6.54
Extraction fluid used	-	1
pH of soil for fluid # determ. (acid)	pH units	1.66
pH of final Leachate	pH units	4.66
Naphthalene	µg/L	<0.5
Acenaphthylene	µg/L	<0.5
Acenaphthene	µg/L	<0.5
Fluorene	µg/L	<0.5
Phenanthrene	µg/L	<0.5
Anthracene	µg/L	<0.5
Fluoranthene	µg/L	<0.5
Pyrene	µg/L	<0.5
Benzo[a]anthracene	µg/L	<0.5
Chrysene	µg/L	<0.5
Benzo[b,k]fluoranthene	µg/L	<1.0
Benzo[a]pyrene	µg/L	<0.5
Indeno[123-cd]pyrene	µg/L	<0.5
Dibenzo[ah]anthracene	µg/L	<0.5
Benzo[ghi]perylene	µg/L	<0.5
Total PAHs	µg/L	<8.0
Nitrobenzene-d5	%	90
2-Fluorobiphenyl	%	90
<i>p</i> -Terphenyl-d14	%	112

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402A-9 23B/2.5 Soil 1/11/2007	56402A-11 67/0.3-0.5 Soil 2/11/2007
pH of soil for fluid# determ.	pH units	[NA]	6.46
Extraction fluid used	-	[NA]	1
pH of soil for fluid # determ. (acid)	pH units	[NA]	1.62
pH of final Leachate	pH units	[NA]	4.92
Chromium	mg/L	[NA]	<0.005
Nickel	mg/L	[NA]	<0.010
Lead	mg/L	<0.020	<0.020

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.

QUALITY CONTROL PAHs in TCLP (USEPA 1311)	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Naphthalene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	86%
Acenaphthylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	82%
Acenaphthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	104%
Fluorene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Phenanthrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	95%
Anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	99%
Fluoranthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	99%
Pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	103%
Benzo[a]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Chrysene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[b,k]fluoranthene	µg/L	1.0	SEO-030	<1.0	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	117%
Indeno[123-cd]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Total PAHs	µg/L	8.0		8.0	[NT]	[NT]	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	94	[NT]	[NT]	LCS	101%
2-Fluorobiphenyl	%	0	SEO-030	94	[NT]	[NT]	LCS	100%
p - Terphenyl-d 14	%	0	SEO-030	118	[NT]	[NT]	LCS	114%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Metals in TCLP								
pH of soil for fluid# determ.	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	0.000	[NT]	[NT]	[NR]	[NR]
Chromium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	104%
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	106%

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Date Organics extraction commenced: 27/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

7 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI

Report Number: 56402B

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	7 Soils
Date of Receipt of Samples:		9/11/07
Date of Receipt of Instructions:		30/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

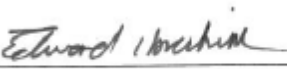
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES


Ly Kim Ha
Senior Organic Chemist


Edward Ibrahim
Laboratory Services Manager


Alexandra Stenta
Key Account Representative

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Inorganics						
Our Reference:	UNITS	56402B-1	56402B-4	56402B-10	56402B-11	56402B-18
Your Reference	-----	93/1.3-1.5	97/2.0	61A/1.9-2.1	67/0.3-0.5	133/0.2-0.3
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	30/10/2007	2/11/2007	2/11/2007	6/11/2007
pH 1:5 soil:water 1:5 soil:water	pH Units	4.9	5.4	6.1	5.7	5.7
Chloride, Cl 1:5 soil:water	mg/kg	480	150	75	7.9	5.1
Sulphate, SO4 1:5 soil:water	mg/kg	630	360	84	10	<20

Inorganics			
Our Reference:	UNITS	56402B-20	56402B-21
Your Reference	-----	137/0.2-0.3	87/0.8-1.0
Sample Type	-----	Soil	Soil
Date Sampled		6/11/2007	7/11/2007
pH 1:5 soil:water 1:5 soil:water	pH Units	5.5	5.9
Chloride, Cl 1:5 soil:water	mg/kg	12	94
Sulphate, SO4 1:5 soil:water	mg/kg	56	55

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEI-038	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 20th ED, 4110-B.

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Inorganics								
pH 1:5 soil:water 1:5 soil:water	pH Units	0	AN101	[NT]	56402B-1	4.9 5.0 RPD: 2	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	0.5	SEI-038	<0.5	56402B-1	480 470 RPD: 2	LCS	101 [N/T]
Sulphate, SO4 1:5 soil:water	mg/kg	2	SEI-038	<2	56402B-1	630 630 RPD: 0	LCS	102 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

SO4 The LOR for sample number/s _18_ has been raised by a dilution factor of _10_ respectively due to sample matrix interference.

Date Organics extraction commenced: N/A

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

19 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56402

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	27 Soils
Date of Receipt of Samples:		9/11/07
Date of Receipt of Instructions:		9/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

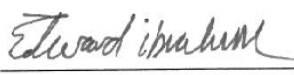
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



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TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-1 93/1.3-1.5 Soil 7/11/2007	56402-2 57/0.5 Soil 30/10/2007	56402-3 57/5.5 Soil 30/10/2007	56402-4 97/2.0 Soil 30/10/2007	56402-5 97/5.5 Soil 30/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	81	87	77	77	90

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-6 98/1.0 Soil 30/10/2007	56402-7 91/3.5 Soil 31/10/2007	56402-8 94/2.0 Soil 1/11/2007	56402-9 23B/2.5 Soil 1/11/2007	56402-10 61A/1.9-2.1 Soil 2/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	83	84	87	84	89

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-11 67/0.3-0.5 Soil 2/11/2007	56402-12 69/0.0-0.15 Soil 2/11/2007	56402-13 89/2.1-2.3 Soil 6/11/2007	56402-14 92/0.3-0.5 Soil 6/11/2007	56402-15 95/2.5-2.7 Soil 6/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	80	88	80	72	80

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.0 5 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.0 5 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 6/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	70	117	81	84	79

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	82	74	77	76

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50
Benzene	mg/kg	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5
BTEX Surrogate (%)	%	81	73

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-1 93/1.3-1.5 Soil 7/11/2007	56402-2 57/0.5 Soil 30/10/2007	56402-3 57/5.5 Soil 30/10/2007	56402-4 97/2.0 Soil 30/10/2007	56402-5 97/5.5 Soil 30/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	90	85	89	83	91
2-Fluorobiphenyl	%	89	86	89	84	98
<i>p</i> -Terphenyl-d14	%	112	108	115	106	106

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-6 98/1.0 Soil 30/10/2007	56402-7 91/3.5 Soil 31/10/2007	56402-8 94/2.0 Soil 1/11/2007	56402-9 23B/2.5 Soil 1/11/2007	56402-10 61A/1.9-2.1 Soil 2/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	<0.1	<0.1	0.7	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	0.8	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	0.6	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	0.3	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	0.3	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	0.19	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.65	<1.55	<1.55	<3.99	<1.55
Nitrobenzene-d5	%	91	93	75	82	79
2-Fluorobiphenyl	%	88	101	72	90	88
p -Terphenyl-d14	%	110	109	68	116	103

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-11 67/0.3-0.5 Soil 2/11/2007	56402-12 69/0.0-0.15 Soil 2/11/2007	56402-13 89/2.1-2.3 Soil 6/11/2007	56402-14 92/0.3-0.5 Soil 6/11/2007	56402-15 95/2.5-2.7 Soil 6/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.07	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.77	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	94	88	98	92	87
2-Fluorobiphenyl	%	96	92	101	93	90
p -Terphenyl-d14	%	105	105	112	108	104

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.0 5 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.0 5 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 6/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	0.06	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.56	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	78	89	87	95	96
2-Fluorobiphenyl	%	84	79	90	101	98
p -Terphenyl-d14	%	103	106	102	107	105

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	90	82	86	83	83
2-Fluorobiphenyl	%	94	89	88	82	86
p -Terphenyl-d14	%	110	104	123	120	115

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55
Nitrobenzene-d5	%	85	82
2-Fluorobiphenyl	%	86	90
p -Terphenyl-d14	%	113	118

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-1 93/1.3-1.5 Soil 7/11/2007	56402-2 57/0.5 Soil 30/10/2007	56402-3 57/5.5 Soil 30/10/2007	56402-4 97/2.0 Soil 30/10/2007	56402-5 97/5.5 Soil 30/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	102	106	101	103	106

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-6 98/1.0 Soil 30/10/2007	56402-7 91/3.5 Soil 31/10/2007	56402-8 94/2.0 Soil 1/11/2007	56402-9 23B/2.5 Soil 1/11/2007	56402-10 61A/1.9-2.1 Soil 2/11/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	101	105	109	95	100

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-11 67/0.3-0.5 Soil 2/11/2007	56402-12 69/0.0-0.15 Soil 2/11/2007	56402-13 89/2.1-2.3 Soil 6/11/2007	56402-14 92/0.3-0.5 Soil 6/11/2007	56402-15 95/2.5-2.7 Soil 6/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	125	111	113	104	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.0 5 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.0 5 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 6/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (Surrogate)	%	105	114	105	106	103

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	90	109	89	106	104

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
HCB	mg/kg	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	101	108

OP Pesticides in Soil						
Our Reference:	UNITS	56402-1	56402-2	56402-3	56402-4	56402-5
Your Reference	-----	93/1.3-1.5	57/0.5	57/5.5	97/2.0	97/5.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	30/10/2007	30/10/2007	30/10/2007	30/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	102	106	101	103	106

OP Pesticides in Soil						
Our Reference:	UNITS	56402-6	56402-7	56402-8	56402-9	56402-10
Your Reference	-----	98/1.0	91/3.5	94/2.0	23B/2.5	61A/1.9-2.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		30/10/2007	31/10/2007	1/11/2007	1/11/2007	2/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	101	105	109	95	100

OP Pesticides in Soil						
Our Reference:	UNITS	56402-11	56402-12	56402-13	56402-14	56402-15
Your Reference	-----	67/0.3-0.5	69/0.0-0.15	89/2.1-2.3	92/0.3-0.5	95/2.5-2.7
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	6/11/2007	6/11/2007	6/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	125	111	113	104	105

OP Pesticides in Soil						
Our Reference:	UNITS	56402-16	56402-17	56402-18	56402-19	56402-20
Your Reference	-----	96/0.8-1.0	131/0.0-0.05	133/0.2-0.3	135/0.0-0.05	137/0.2-0.3
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		6/11/2007	6/11/2007	6/11/2007	6/11/2007	6/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	105	114	105	106	103

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	90	109	89	106	104

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1
OP_Surrogate 1	%	101	108

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-1 93/1.3-1.5 Soil 7/11/2007	56402-2 57/0.5 Soil 30/10/2007	56402-3 57/5.5 Soil 30/10/2007	56402-4 97/2.0 Soil 30/10/2007	56402-5 97/5.5 Soil 30/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	102	106	101	103	106

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-6 98/1.0 Soil 30/10/2007	56402-7 91/3.5 Soil 31/10/2007	56402-8 94/2.0 Soil 1/11/2007	56402-9 23B/2.5 Soil 1/11/2007	56402-10 61A/1.9-2.1 Soil 2/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	101	105	109	95	100

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-11 67/0.3-0.5 Soil 2/11/2007	56402-12 69/0.0-0.15 Soil 2/11/2007	56402-13 89/2.1-2.3 Soil 6/11/2007	56402-14 92/0.3-0.5 Soil 6/11/2007	56402-15 95/2.5-2.7 Soil 6/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	125	111	113	104	105

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.0 5 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.0 5 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 6/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	105	114	105	106	103

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	90	109	89	106	104

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90
PCB_Surrogate 1	%	101	108

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-1 93/1.3-1.5 Soil 7/11/2007	56402-2 57/0.5 Soil 30/10/2007	56402-3 57/5.5 Soil 30/10/2007	56402-4 97/2.0 Soil 30/10/2007	56402-5 97/5.5 Soil 30/10/2007
Arsenic	mg/kg	6	32	3	4	5
Cadmium	mg/kg	0.3	0.3	0.1	0.3	0.1
Chromium	mg/kg	6.3	12	10	10	7.4
Copper	mg/kg	26	33	26	29	16
Lead	mg/kg	16	15	11	12	7
Mercury	mg/kg	0.06	0.06	<0.05	0.05	<0.05
Nickel	mg/kg	27	34	18	31	14
Zinc	mg/kg	100	130	120	150	84

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-6 98/1.0 Soil 30/10/2007	56402-7 91/3.5 Soil 31/10/2007	56402-8 94/2.0 Soil 1/11/2007	56402-9 23B/2.5 Soil 1/11/2007	56402-10 61A/1.9-2.1 Soil 2/11/2007
Arsenic	mg/kg	6	5	5	6	6
Cadmium	mg/kg	0.2	0.1	0.3	0.4	0.1
Chromium	mg/kg	7.3	7.4	12	6.3	7.0
Copper	mg/kg	12	12	35	14	13
Lead	mg/kg	8	30	16	120	7
Mercury	mg/kg	0.05	0.05	0.07	0.07	<0.05
Nickel	mg/kg	15	10	28	3.7	21
Zinc	mg/kg	49	75	130	370	78

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-11 67/0.3-0.5 Soil 2/11/2007	56402-12 69/0.0-0.15 Soil 2/11/2007	56402-13 89/2.1-2.3 Soil 6/11/2007	56402-14 92/0.3-0.5 Soil 6/11/2007	56402-15 95/2.5-2.7 Soil 6/11/2007
Arsenic	mg/kg	6	5	5	<3	4
Cadmium	mg/kg	0.4	0.4	<0.1	0.2	<0.1
Chromium	mg/kg	19	9.7	5.1	8.9	7.3
Copper	mg/kg	9.4	17	7.9	27	22
Lead	mg/kg	31	24	9	15	12
Mercury	mg/kg	<0.05	0.06	<0.05	0.06	<0.05
Nickel	mg/kg	9.8	8.8	2.8	16	8.1
Zinc	mg/kg	79	100	22	75	52

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.0 5 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.0 5 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 6/11/2007
Arsenic	mg/kg	21	6	10	3	7
Cadmium	mg/kg	<0.1	0.8	0.3	0.5	0.5
Chromium	mg/kg	11	12	12	4.4	9.8
Copper	mg/kg	63	67	3.4	5.5	7.0
Lead	mg/kg	11	130	17	29	19
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	0.07
Nickel	mg/kg	2.0	5.3	2.9	1.9	19
Zinc	mg/kg	18	270	47	41	61

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-21 87/0.8-1.0 Soil 7/11/2007	56402-22 88/0.0-0.05 Soil 7/11/2007	56402-23 90/0.8-1.0 Soil 7/11/2007	56402-24 90/2.8-3.0 Soil 7/11/2007	56402-25 BD4 Soil 30/10/2007
Arsenic	mg/kg	5	20	4	4	4
Cadmium	mg/kg	0.3	0.4	0.1	0.2	0.4
Chromium	mg/kg	11	8.0	5.1	6.7	10
Copper	mg/kg	27	15	12	25	31
Lead	mg/kg	15	26	7	13	13
Mercury	mg/kg	0.06	<0.05	<0.05	0.06	0.06
Nickel	mg/kg	23	5.2	6.0	15	40
Zinc	mg/kg	92	60	34	65	180

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-26 D123 Soil 6/11/2007	56402-27 D129 Soil 7/11/2007
Arsenic	mg/kg	4	7
Cadmium	mg/kg	0.2	0.3
Chromium	mg/kg	8.0	4.5
Copper	mg/kg	26	8.2
Lead	mg/kg	18	17
Mercury	mg/kg	0.05	<0.05
Nickel	mg/kg	20	4.4
Zinc	mg/kg	77	41

Total Phenolics in Soil						
Our Reference:	UNITS	56402-1	56402-2	56402-3	56402-4	56402-5
Your Reference	-----	93/1.3-1.5	57/0.5	57/5.5	97/2.0	97/5.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	30/10/2007	30/10/2007	30/10/2007	30/10/2007
Total Phenolics (as Phenol)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Total Phenolics in Soil						
Our Reference:	UNITS	56402-6	56402-7	56402-8	56402-9	56402-10
Your Reference	-----	98/1.0	91/3.5	94/2.0	23B/2.5	61A/1.9-2.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		30/10/2007	31/10/2007	1/11/2007	1/11/2007	2/11/2007
Total Phenolics (as Phenol)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Total Phenolics in Soil						
Our Reference:	UNITS	56402-11	56402-12	56402-13	56402-14	56402-15
Your Reference	-----	67/0.3-0.5	69/0.0-0.15	89/2.1-2.3	92/0.3-0.5	95/2.5-2.7
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	6/11/2007	6/11/2007	6/11/2007
Total Phenolics (as Phenol)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Total Phenolics in Soil						
Our Reference:	UNITS	56402-16	56402-17	56402-18	56402-19	56402-20
Your Reference	-----	96/0.8-1.0	131/0.0-0.05	133/0.2-0.3	135/0.0-0.05	137/0.2-0.3
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		6/11/2007	6/11/2007	6/11/2007	6/11/2007	6/11/2007
Total Phenolics (as Phenol)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Total Phenolics in Soil						
Our Reference:	UNITS	56402-21	56402-22	56402-23	56402-24	56402-25
Your Reference	-----	87/0.8-1.0	88/0.0-0.05	90/0.8-1.0	90/2.8-3.0	BD4
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	7/11/2007	7/11/2007	30/10/2007
Total Phenolics (as Phenol)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Total Phenolics in Soil			
Our Reference:	UNITS	56402-26	56402-27
Your Reference	-----	D123	D129
Sample Type	-----	Soil	Soil
Date Sampled		6/11/2007	7/11/2007
Total Phenolics (as Phenol)	mg/kg	1.4	<0.5

Asbestos ID in soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56402-15 95/2.5-2.7 Soil 6/11/2007
Sample Description		27g clay
Asbestos ID in soil	-	No asbestos detected

Moisture						
Our Reference:	UNITS	56402-1	56402-2	56402-3	56402-4	56402-5
Your Reference	-----	93/1.3-1.5	57/0.5	57/5.5	97/2.0	97/5.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	30/10/2007	30/10/2007	30/10/2007	30/10/2007
Moisture	%	13	11	17	16	14

Moisture						
Our Reference:	UNITS	56402-6	56402-7	56402-8	56402-9	56402-10
Your Reference	-----	98/1.0	91/3.5	94/2.0	23B/2.5	61A/1.9-2.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		30/10/2007	31/10/2007	1/11/2007	1/11/2007	2/11/2007
Moisture	%	9	11	14	25	12

Moisture						
Our Reference:	UNITS	56402-11	56402-12	56402-13	56402-14	56402-15
Your Reference	-----	67/0.3-0.5	69/0.0-0.15	89/2.1-2.3	92/0.3-0.5	95/2.5-2.7
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		2/11/2007	2/11/2007	6/11/2007	6/11/2007	6/11/2007
Moisture	%	11	23	12	12	15

Moisture						
Our Reference:	UNITS	56402-16	56402-17	56402-18	56402-19	56402-20
Your Reference	-----	96/0.8-1.0	131/0.0-0.0 5	133/0.2-0.3	135/0.0-0.0 5	137/0.2-0.3
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		6/11/2007	6/11/2007	6/11/2007	6/11/2007	6/11/2007
Moisture	%	20	16	7	11	12

Moisture						
Our Reference:	UNITS	56402-21	56402-22	56402-23	56402-24	56402-25
Your Reference	-----	87/0.8-1.0	88/0.0-0.05	90/0.8-1.0	90/2.8-3.0	BD4
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	7/11/2007	7/11/2007	30/10/2007
Moisture	%	11	11	16	20	17

Moisture			
Our Reference:	UNITS	56402-26	56402-27
Your Reference	-----	D123	D129
Sample Type	-----	Soil	Soil
Date Sampled		6/11/2007	7/11/2007
Moisture	%	13	11

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
SEI-066	üÿ6Å
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH/BTEX in Soil								
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56402-10	<20 <20	56402-1	91%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56402-10	<20 <20	56402-1	93%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56402-10	<50 <50	56402-1	72%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56402-10	<50 <50	56402-1	100%
Benzene	mg/kg	0.5	SEO-018	<0.5	56402-10	<0.5 <0.5	56402-1	85%
Toluene	mg/kg	0.5	SEO-018	<0.5	56402-10	<0.5 <0.5	56402-1	85%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56402-10	<0.5 <0.5	56402-1	86%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56402-10	<1.5 <1.5	56402-1	89%
BTEX Surrogate (%)	%	0	SEO-018	94	56402-10	89 81 RPD: 9	56402-1	81%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PAHs in Soil								
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	81%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	75%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	95%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	86%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	89%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	89%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	56402-2	90%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56402-10	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56402-10	<0.05 <0.05	56402-2	108%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56402-10	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56402-10	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	123	56402-10	79 86 RPD: 8	56402-2	80%
2-Fluorobiphenyl	%	0	SEO-030	118	56402-10	88 83 RPD: 6	56402-2	77%
<i>p</i> -Terphenyl-d 14	%	0	SEO-030	129	56402-10	103 109 RPD: 6	56402-2	96%

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	120%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	119%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	119%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	119%
Endrin	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	127%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	110%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	99	56402-7	105 106 RPD: 1	56402-8	90%

QUALITY CONTROL OP Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-8	120%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	99	56402-7	105 106 RPD: 1	56402-8	90%
QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	56402-11	95%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	56402-7	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	99	56402-7	105 106 RPD: 1	56402-11	100%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56402-1	6 6 RPD: 0	[NR]	[NR]
Cadmium	mg/kg	0.1	SEM-010	<0.1	56402-1	0.3 0.3 RPD: 0	56402-2	94%
Chromium	mg/kg	0.3	SEM-010	<0.3	56402-1	6.3 7.6 RPD: 19	56402-2	97%
Copper	mg/kg	0.5	SEM-010	<0.5	56402-1	26 24 RPD: 8	56402-2	97%
Lead	mg/kg	1	SEM-010	<1	56402-1	16 16 RPD: 0	56402-2	88%
Mercury	mg/kg	0.05	SEM-005	<0.05	56402-1	0.06 0.05 RPD: 18	56402-2	103%
Nickel	mg/kg	0.5	SEM-010	<0.5	56402-1	27 19 RPD: 35	56402-2	98%
Zinc	mg/kg	0.3	SEM-010	<0.3	56402-1	100 92 RPD: 8	56402-2	111%

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
Total Phenolics in Soil						Base + Duplicate + %RPD		Duplicate + %RPD
Total Phenolics (as Phenol)	mg/kg	0.5	SEI-066	<0.5	56402-1	<0.5 <0.5	LCS	84%
Total Phenolics (as Phenol)	mg/Kg	0.5	SEI-066	[NT]	[NT]	[NT]	[NR]	[NR]
QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank				
Moisture	%	1	AN002	<1				
QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD		
TRH C6 - C9 P&T	mg/kg	56402-20	<20 <20		56402-21	85%		
TRH C10 - C14	mg/kg	56402-20	<20 <20		[NR]	[NR]		
TRH C15 - C28	mg/kg	56402-20	<50 <50		[NR]	[NR]		
TRH C29 - C36	mg/kg	56402-20	<50 <50		[NR]	[NR]		
Benzene	mg/kg	56402-20	<0.5 <0.5		56402-21	76%		
Toluene	mg/kg	56402-20	<0.5 <0.5		56402-21	75%		
Ethylbenzene	mg/kg	56402-20	<0.5 <0.5		56402-21	76%		
Total Xylenes	mg/kg	56402-20	<1.5 <1.5		56402-21	78%		
BTEX Surrogate (%)	%	56402-20	79 77 RPD: 3		56402-21	77%		
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD					
Naphthalene	mg/kg	56402-20	<0.1 <0.1					
Acenaphthylene	mg/kg	56402-20	<0.1 <0.1					
Acenaphthene	mg/kg	56402-20	<0.1 <0.1					
Fluorene	mg/kg	56402-20	<0.1 <0.1					
Phenanthrene	mg/kg	56402-20	<0.1 <0.1					
Anthracene	mg/kg	56402-20	<0.1 <0.1					
Fluoranthene	mg/kg	56402-20	<0.1 <0.1					
Pyrene	mg/kg	56402-20	<0.1 <0.1					
Benzo[a]anthracene	mg/kg	56402-20	<0.1 <0.1					
Chrysene	mg/kg	56402-20	<0.1 <0.1					
Benzo[b,k]fluoranthene	mg/kg	56402-20	<0.2 <0.2					
Benzo[a]pyrene	mg/kg	56402-20	<0.05 <0.05					
Indeno[123-cd]pyrene	mg/kg	56402-20	<0.1 <0.1					
Dibenzo[ah]anthracene	mg/kg	56402-20	<0.1 <0.1					
Benzo[ghi]perylene	mg/kg	56402-20	<0.1 <0.1					
Total PAHs	mg/kg	56402-20	<1.55 <1.55					

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Nitrobenzene-d5	%	56402-20	96 90 RPD: 6
2-Fluorobiphenyl	%	56402-20	98 97 RPD: 1
<i>p</i> -Terphenyl- <i>d</i> 14	%	56402-20	105 107 RPD: 2
QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56402-13	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56402-13	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56402-13	<0.1 <0.1
Heptachlor	mg/kg	56402-13	<0.1 <0.1
Aldrin	mg/kg	56402-13	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56402-13	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56402-13	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56402-13	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56402-13	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56402-13	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56402-13	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56402-13	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56402-13	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56402-13	<0.1 <0.1
Dieldrin	mg/kg	56402-13	<0.1 <0.1
Endrin	mg/kg	56402-13	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56402-13	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56402-13	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56402-13	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56402-13	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56402-13	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56402-13	<0.1 <0.1
Endrin Aldehyde	mg/kg	56402-13	<0.1 <0.1
Methoxychlor	mg/kg	56402-13	<0.1 <0.1
Endrin Ketone	mg/kg	56402-13	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56402-13	113 110 RPD: 3

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56402-13	<0.1 <0.1		
Fenitrothion	mg/kg	56402-13	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56402-13	<0.1 <0.1		
Ethion	mg/kg	56402-13	<0.1 <0.1		
OP_Surrogate 1	%	56402-13	113 110 RPD: 3		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1221	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1232	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1242	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1248	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1254	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1260	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1262	mg/kg	56402-13	<0.1 <0.1		
Arochlor 1268	mg/kg	56402-13	<0.1 <0.1		
Total Positive PCB	mg/kg	56402-13	<0.90 <0.90		
PCB_Surrogate 1	%	56402-13	113 110 RPD: 3		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56402-11	6 5 RPD: 18	56402-22	84%
Cadmium	mg/kg	56402-11	0.4 0.3 RPD: 29	56402-22	107%
Chromium	mg/kg	56402-11	19 18 RPD: 5	56402-22	101%
Copper	mg/kg	56402-11	9.4 7.2 RPD: 27	56402-22	99%
Lead	mg/kg	56402-11	31 27 RPD: 14	56402-22	89%
Mercury	mg/kg	56402-11	<0.05 <0.05	56402-22	93%
Nickel	mg/kg	56402-11	9.8 9.0 RPD: 9	56402-22	105%
Zinc	mg/kg	56402-11	79 69 RPD: 14	56402-22	94%

QUALITY CONTROL Total Phenolics in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Total Phenolics (as Phenol)	mg/kg	56402-11	<0.5 <0.5	56402-2	79%
QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
TRH C ₁₀ - C ₁₄	mg/kg	56402-26	<20 <20		
TRH C ₁₅ - C ₂₈	mg/kg	56402-26	<50 <50		
TRH C ₂₉ - C ₃₆	mg/kg	56402-26	<50 <50		
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Naphthalene	mg/kg	56402-26	<0.1 <0.1		
Acenaphthylene	mg/kg	56402-26	<0.1 <0.1		
Acenaphthene	mg/kg	56402-26	<0.1 <0.1		
Fluorene	mg/kg	56402-26	<0.1 <0.1		
Phenanthrene	mg/kg	56402-26	<0.1 <0.1		
Anthracene	mg/kg	56402-26	<0.1 <0.1		
Fluoranthene	mg/kg	56402-26	<0.1 <0.1		
Pyrene	mg/kg	56402-26	<0.1 <0.1		
Benzo[a]anthracene	mg/kg	56402-26	<0.1 <0.1		
Chrysene	mg/kg	56402-26	<0.1 <0.1		
Benzo[b,k]fluoranthene	mg/kg	56402-26	<0.2 <0.2		
Benzo[a]pyrene	mg/kg	56402-26	<0.05 <0.05		
Indeno[123-cd]pyrene	mg/kg	56402-26	<0.1 <0.1		
Dibenzo[ah]anthracene	mg/kg	56402-26	<0.1 <0.1		
Benzo[ghi]perylene	mg/kg	56402-26	<0.1 <0.1		
Total PAHs	mg/kg	56402-26	<1.55 <1.55		
Nitrobenzene-d5	%	56402-26	85 94 RPD: 10		
2-Fluorobiphenyl	%	56402-26	86 94 RPD: 9		
<i>p</i> -Terphenyl- <i>d</i> 14	%	56402-26	113 120 RPD: 6		

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56402-22	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56402-22	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56402-22	<0.1 <0.1
Heptachlor	mg/kg	56402-22	<0.1 <0.1
Aldrin	mg/kg	56402-22	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56402-22	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56402-22	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56402-22	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56402-22	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56402-22	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56402-22	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56402-22	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56402-22	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56402-22	<0.1 <0.1
Dieldrin	mg/kg	56402-22	<0.1 <0.1
Endrin	mg/kg	56402-22	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56402-22	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56402-22	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56402-22	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56402-22	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56402-22	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56402-22	<0.1 <0.1
Endrin Aldehyde	mg/kg	56402-22	<0.1 <0.1
Methoxychlor	mg/kg	56402-22	<0.1 <0.1
Endrin Ketone	mg/kg	56402-22	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56402-22	109 107 RPD: 2

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56402-22	<0.1 <0.1		
Fenitrothion	mg/kg	56402-22	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56402-22	<0.1 <0.1		
Ethion	mg/kg	56402-22	<0.1 <0.1		
OP_Surrogate 1	%	56402-22	109 107 RPD: 2		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1221	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1232	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1242	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1248	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1254	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1260	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1262	mg/kg	56402-22	<0.1 <0.1		
Arochlor 1268	mg/kg	56402-22	<0.1 <0.1		
Total Positive PCB	mg/kg	56402-22	<0.90 <0.90		
PCB_Surrogate 1	%	56402-22	109 107 RPD: 2		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56402-21	5 5 RPD: 0	LCS	118%
Cadmium	mg/kg	56402-21	0.3 0.3 RPD: 0	[NR]	[NR]
Chromium	mg/kg	56402-21	11 9.4 RPD: 16	[NR]	[NR]
Copper	mg/kg	56402-21	27 31 RPD: 14	[NR]	[NR]
Lead	mg/kg	56402-21	15 15 RPD: 0	[NR]	[NR]
Mercury	mg/kg	56402-21	0.06 0.05 RPD: 18	[NR]	[NR]
Nickel	mg/kg	56402-21	23 23 RPD: 0	[NR]	[NR]
Zinc	mg/kg	56402-21	92 95 RPD: 3	[NR]	[NR]

QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
Total Phenolics in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
Total Phenolics (as Phenol)	mg/kg	56402-21	<0.5 <0.5	56402-22	95%

Result Codes

[INS]	: Insufficient Sample for this test	[HBG]	: Results not Reported due to High Background Interference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Result Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

No respirable fibres detected using trace analysis technique.

Asbestos analysed by Wonnies Condos

Date Organics extraction commenced: 15/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

27 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56672

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	33 Soils & 1 Fibro
Date of Receipt of Samples:		20/11/07
Date of Receipt of Instructions:		20/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

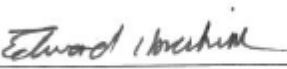
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES


Ly Kim Ha
Senior Organic Chemist


Edward Ibrahim
Laboratory Services Manager


Alexandra Stenta
Key Account Representative

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TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-1 127/0.1 Soil 7/11/2007	56672-2 125/0.1 Soil 7/11/2007	56672-3 115/0.2 Soil 7/11/2007	56672-4 124/0.6 Soil 7/11/2007	56672-5 128/0.1 Soil 7/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	72	78	87	75	122

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-6 138/0.1 Soil 7/11/2007	56672-7 R6 Soil 7/11/2007	56672-8 104/0.3 Soil 8/11/2007	56672-9 101/0.1 Soil 8/11/2007	56672-10 103/0.1 Soil 8/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	89	54	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	120	150	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	119	82	76	113	129

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-11 108/0.7 Soil 8/11/2007	56672-12 99/0.2 Soil 8/11/2007	56672-13 107/0.2 Soil 8/11/2007	56672-14 100/0.1 Soil 8/11/2007	56672-15 100/0.4 Soil 8/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	88
TRH C ₂₉ - C ₃₆	mg/kg	<50	66	<50	<50	98
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	129	112	111	103	126

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-16 134/0.2 Soil 8/11/2007	56672-17 106/0.1 Soil 8/11/2007	56672-18 R7 Soil 8/11/2007	56672-19 113/0.7 Soil 9/11/2007	56672-20 105/0.6 Soil 9/11/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	<20	<20	<20	<20	<20
TRH C15 - C28	mg/kg	<50	<50	130	80	<50
TRH C29 - C36	mg/kg	<50	60	160	96	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	95	80	102	93	79

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	35	<20	49	<20	<20
TRH C15 - C28	mg/kg	300	<50	270	<50	<50
TRH C29 - C36	mg/kg	99	<50	56	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	93	70	83	79	93

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
TRH C6 - C9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C10 - C14	mg/kg	41	<20	<20	<20	<20
TRH C15 - C28	mg/kg	310	<50	<50	<50	77
TRH C29 - C36	mg/kg	93	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	81	69	77	76

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	130	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	76	86	89

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-1 127/0.1 Soil 7/11/2007	56672-2 125/0.1 Soil 7/11/2007	56672-3 115/0.2 Soil 7/11/2007	56672-4 124/0.6 Soil 7/11/2007	56672-5 128/0.1 Soil 7/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	106	87	77	92	92
2-Fluorobiphenyl	%	105	84	74	92	90
<i>p</i> -Terphenyl-d14	%	115	93	87	108	101

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-6 138/0.1 Soil 7/11/2007	56672-7 R6 Soil 7/11/2007	56672-8 104/0.3 Soil 8/11/2007	56672-9 101/0.1 Soil 8/11/2007	56672-10 103/0.1 Soil 8/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	0.2	<0.2
Phenanthrene	mg/kg	0.1	<0.1	0.2	2.0	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	0.4	<0.1
Fluoranthene	mg/kg	0.2	<0.1	0.1	3.5	0.1
Pyrene	mg/kg	0.2	<0.1	0.1	3.1	<0.2
Benzo[a]anthracene	mg/kg	<0.1	<0.1	0.1	1.3	<0.1
Chrysene	mg/kg	<0.1	<0.1	0.1	1.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	2.1	<0.2
Benzo[a]pyrene	mg/kg	0.08	<0.05	0.08	1.4	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	0.8	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	0.9	<0.1
Total PAHs	mg/kg	<1.78	<1.55	<1.68	<17.32	<1.75
Nitrobenzene-d5	%	90	80	94	106	106
2-Fluorobiphenyl	%	83	88	93	96	99
p -Terphenyl-d14	%	106	93	101	106	110

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-11 108/0.7 Soil 8/11/2007	56672-12 99/0.2 Soil 8/11/2007	56672-13 107/0.2 Soil 8/11/2007	56672-14 100/0.1 Soil 8/11/2007	56672-15 100/0.4 Soil 8/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.2	0.3	0.1	0.3
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.1	0.5	0.2	0.3
Pyrene	mg/kg	<0.1	0.1	0.4	0.2	0.2
Benzo[a]anthracene	mg/kg	<0.1	<0.1	0.3	<0.1	0.2
Chrysene	mg/kg	<0.1	<0.1	0.2	<0.1	0.2
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	0.3	<0.2	0.3
Benzo[a]pyrene	mg/kg	<0.05	<0.05	0.19	0.09	0.13
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.65	<2.99	<1.79	<2.43
Nitrobenzene-d5	%	83	93	104	107	88
2-Fluorobiphenyl	%	78	88	105	101	82
p -Terphenyl-d14	%	86	104	116	127	105

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-16 134/0.2 Soil 8/11/2007	56672-17 106/0.1 Soil 8/11/2007	56672-18 R7 Soil 8/11/2007	56672-19 113/0.7 Soil 9/11/2007	56672-20 105/0.6 Soil 9/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	0.2	0.6	1.0	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	0.3	0.4	0.6	<0.1
Pyrene	mg/kg	<0.1	0.3	0.4	0.5	<0.1
Benzo[a]anthracene	mg/kg	<0.1	0.2	0.3	0.3	<0.1
Chrysene	mg/kg	<0.1	0.2	0.3	0.3	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	0.3	0.3	0.3	<0.2
Benzo[a]pyrene	mg/kg	<0.05	0.19	0.19	0.15	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<2.49	<3.29	<3.95	<1.55
Nitrobenzene-d5	%	91	97	106	109	103
2-Fluorobiphenyl	%	92	93	97	100	104
p -Terphenyl-d14	%	100	113	110	105	120

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.1	0.2	1.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	1.6	0.1	0.9	<0.1	<0.1
Pyrene	mg/kg	1.4	0.1	0.7	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.9	<0.1	0.4	<0.1	<0.1
Chrysene	mg/kg	1.0	<0.1	0.4	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	1.4	<0.2	0.5	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.77	<0.05	0.25	0.06	<0.05
Indeno[123-cd]pyrene	mg/kg	0.4	<0.1	0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.4	<0.1	0.1	<0.1	<0.1
Total PAHs	mg/kg	<9.57	<1.65	<5.05	<1.56	<1.55
Nitrobenzene-d5	%	90	91	101	99	86
2-Fluorobiphenyl	%	91	90	89	100	85
p -Terphenyl-d14	%	104	115	107	110	115

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	2.1	<0.1	0.2	0.2	0.2
Anthracene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	2.6	0.1	0.2	<0.1	0.2
Pyrene	mg/kg	2.3	0.1	0.2	<0.1	0.2
Benzo[a]anthracene	mg/kg	1.4	<0.1	0.1	<0.1	0.1
Chrysene	mg/kg	1.6	<0.1	0.1	<0.1	0.1
Benzo[b,k]fluoranthene	mg/kg	2.3	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	1.2	0.07	0.09	<0.05	0.09
Indeno[123-cd]pyrene	mg/kg	0.6	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.7	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<15.68	<1.57	<1.89	<1.65	<1.89
Nitrobenzene-d5	%	98	99	95	98	95
2-Fluorobiphenyl	%	97	104	96	90	90
p -Terphenyl-d14	%	115	121	114	116	115

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.7	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1
Fluoranthene	mg/kg	1.3	<0.1	<0.1
Pyrene	mg/kg	1.3	<0.1	<0.1
Benzo[a]anthracene	mg/kg	0.8	<0.1	<0.1
Chrysene	mg/kg	0.7	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	1.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.75	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	0.4	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.4	<0.1	<0.1
Total PAHs	mg/kg	<8.15	<1.55	<1.55
Nitrobenzene-d5	%	100	103	92
2-Fluorobiphenyl	%	94	103	95
p -Terphenyl-d14	%	116	114	101

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-1 127/0.1 Soil 7/11/2007	56672-2 125/0.1 Soil 7/11/2007	56672-3 115/0.2 Soil 7/11/2007	56672-4 124/0.6 Soil 7/11/2007	56672-5 128/0.1 Soil 7/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	111	106	99	107	110

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-6 138/0.1 Soil 7/11/2007	56672-7 R6 Soil 7/11/2007	56672-8 104/0.3 Soil 8/11/2007	56672-9 101/0.1 Soil 8/11/2007	56672-10 103/0.1 Soil 8/11/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	108	100	111	112	118

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-11 108/0.7 Soil 8/11/2007	56672-12 99/0.2 Soil 8/11/2007	56672-13 107/0.2 Soil 8/11/2007	56672-14 100/0.1 Soil 8/11/2007	56672-15 100/0.4 Soil 8/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	100	109	111	110	110

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-16 134/0.2 Soil 8/11/2007	56672-17 106/0.1 Soil 8/11/2007	56672-18 R7 Soil 8/11/2007	56672-19 113/0.7 Soil 9/11/2007	56672-20 105/0.6 Soil 9/11/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	112	113	113	111	112

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
HCb	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	109	105	108	109	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	112	109	102	115	107

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>	%	118	113	109

OP Pesticides in Soil						
Our Reference:	UNITS	56672-1	56672-2	56672-3	56672-4	56672-5
Your Reference	-----	127/0.1	125/0.1	115/0.2	124/0.6	128/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	7/11/2007	7/11/2007	7/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	111	106	99	107	110

OP Pesticides in Soil						
Our Reference:	UNITS	56672-6	56672-7	56672-8	56672-9	56672-10
Your Reference	-----	138/0.1	R6	104/0.3	101/0.1	103/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	8/11/2007	8/11/2007	8/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	108	100	111	112	118

OP Pesticides in Soil						
Our Reference:	UNITS	56672-11	56672-12	56672-13	56672-14	56672-15
Your Reference	-----	108/0.7	99/0.2	107/0.2	100/0.1	100/0.4
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		8/11/2007	8/11/2007	8/11/2007	8/11/2007	8/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	100	109	111	110	110

OP Pesticides in Soil						
Our Reference:	UNITS	56672-16	56672-17	56672-18	56672-19	56672-20
Your Reference	-----	134/0.2	106/0.1	R7	113/0.7	105/0.6
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		8/11/2007	8/11/2007	8/11/2007	9/11/2007	9/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	112	113	113	111	112

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	109	105	108	109	105

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	112	109	102	115	107

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
OP_Surrogate 1	%	118	113	109

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-1 127/0.1 Soil 7/11/2007	56672-2 125/0.1 Soil 7/11/2007	56672-3 115/0.2 Soil 7/11/2007	56672-4 124/0.6 Soil 7/11/2007	56672-5 128/0.1 Soil 7/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	111	106	99	107	110

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-6 138/0.1 Soil 7/11/2007	56672-7 R6 Soil 7/11/2007	56672-8 104/0.3 Soil 8/11/2007	56672-9 101/0.1 Soil 8/11/2007	56672-10 103/0.1 Soil 8/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	108	100	111	112	118

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-11 108/0.7 Soil 8/11/2007	56672-12 99/0.2 Soil 8/11/2007	56672-13 107/0.2 Soil 8/11/2007	56672-14 100/0.1 Soil 8/11/2007	56672-15 100/0.4 Soil 8/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	100	109	111	110	110

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-16 134/0.2 Soil 8/11/2007	56672-17 106/0.1 Soil 8/11/2007	56672-18 R7 Soil 8/11/2007	56672-19 113/0.7 Soil 9/11/2007	56672-20 105/0.6 Soil 9/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	112	113	113	111	112

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	109	105	108	109	105

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	112	109	102	115	107

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	118	113	109

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-1 127/0.1 Soil 7/11/2007	56672-2 125/0.1 Soil 7/11/2007	56672-3 115/0.2 Soil 7/11/2007	56672-4 124/0.6 Soil 7/11/2007	56672-5 128/0.1 Soil 7/11/2007
Arsenic	mg/kg	5	4	5	4	5
Cadmium	mg/kg	0.3	<0.3	<0.3	<0.3	0.6
Chromium	mg/kg	9.4	2.7	6.2	4.4	11
Copper	mg/kg	7.4	2.1	3.3	4.9	12
Lead	mg/kg	11	12	4	6	24
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	0.05
Nickel	mg/kg	3.8	1.4	2.4	2.5	15
Zinc	mg/kg	31	14	17	18	84

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-6 138/0.1 Soil 7/11/2007	56672-7 R6 Soil 7/11/2007	56672-8 104/0.3 Soil 8/11/2007	56672-9 101/0.1 Soil 8/11/2007	56672-10 103/0.1 Soil 8/11/2007
Arsenic	mg/kg	<3	3	<3	6	5
Cadmium	mg/kg	0.4	<0.3	<0.3	0.4	1.1
Chromium	mg/kg	5.5	6.0	7.2	5.5	7.8
Copper	mg/kg	8.2	2.7	8.7	9.3	13
Lead	mg/kg	17	4	12	91	42
Mercury	mg/kg	<0.05	<0.05	<0.05	0.09	<0.05
Nickel	mg/kg	8.2	2.3	13	3.6	4.7
Zinc	mg/kg	60	16	20	58	100

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-11 108/0.7 Soil 8/11/2007	56672-12 99/0.2 Soil 8/11/2007	56672-13 107/0.2 Soil 8/11/2007	56672-14 100/0.1 Soil 8/11/2007	56672-15 100/0.4 Soil 8/11/2007
Arsenic	mg/kg	<3	4	4	8	9
Cadmium	mg/kg	<0.3	<0.3	1.3	0.6	0.3
Chromium	mg/kg	4.6	7.8	7.4	10	11
Copper	mg/kg	2.4	4.9	7.5	51	23
Lead	mg/kg	4	12	43	520	43
Mercury	mg/kg	<0.05	<0.05	0.05	0.05	0.16
Nickel	mg/kg	2.7	3.9	4.6	19	13
Zinc	mg/kg	12	33	630	160	84

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-16 134/0.2 Soil 8/11/2007	56672-17 106/0.1 Soil 8/11/2007	56672-18 R7 Soil 8/11/2007	56672-19 113/0.7 Soil 9/11/2007	56672-20 105/0.6 Soil 9/11/2007
Arsenic	mg/kg	4	14	5	9	4
Cadmium	mg/kg	<0.3	0.8	<0.3	0.5	<0.3
Chromium	mg/kg	3.9	19	10	8.3	8.0
Copper	mg/kg	2.9	130	14	9.0	11
Lead	mg/kg	14	160	15	29	37
Mercury	mg/kg	<0.05	0.26	<0.05	<0.05	0.19
Nickel	mg/kg	1.1	12	14	4.4	2.3
Zinc	mg/kg	23	320	21	59	75

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-21 19/0.1 Soil 13/11/2007	56672-22 19/0.3 Soil 13/11/2007	56672-23 17/0.1 Soil 13/11/2007	56672-24 22/0.15 Soil 13/11/2007	56672-25 22/0.5 Soil 13/11/2007
Arsenic	mg/kg	15	9	15	5	<3
Cadmium	mg/kg	0.8	0.3	0.8	1.3	<0.3
Chromium	mg/kg	9.9	10	7.9	8.9	4.7
Copper	mg/kg	31	47	52	27	3.9
Lead	mg/kg	140	470	230	160	20
Mercury	mg/kg	0.22	0.26	0.21	0.21	<0.05
Nickel	mg/kg	10	6.4	8.2	7.8	1.1
Zinc	mg/kg	170	170	150	290	27

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-26 R8 Soil 13/11/2007	56672-27 140/0.1 Soil 14/11/2007	56672-28 141/0.1 Soil 14/11/2007	56672-29 142/0.1 Soil 14/11/2007	56672-30 143/0.1 Soil 14/11/2007
Arsenic	mg/kg	16	12	11	8	7
Cadmium	mg/kg	0.9	0.9	0.7	0.4	<0.3
Chromium	mg/kg	9.1	9.4	7.3	2.0	2.9
Copper	mg/kg	33	27	28	8.3	12
Lead	mg/kg	160	110	110	20	19
Mercury	mg/kg	0.25	0.15	0.14	0.06	<0.05
Nickel	mg/kg	9.4	8.7	4.3	2.4	2.6
Zinc	mg/kg	200	150	160	41	60

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
Arsenic	mg/kg	150	6	11
Cadmium	mg/kg	0.8	0.6	0.8
Chromium	mg/kg	5.5	5.1	5.8
Copper	mg/kg	42	14	9.0
Lead	mg/kg	530	98	37
Mercury	mg/kg	0.07	<0.05	<0.05
Nickel	mg/kg	13	2.7	6.4
Zinc	mg/kg	260	220	87

Asbestos ID in soil		
Our Reference:	UNITS	56672-32
Your Reference	-----	144/0.05
Sample Type	-----	Soil
Date Sampled		14/11/2007
Sample Description		41g Soil
Asbestos ID in soil	-	No asbestos detected

Asbestos ID in materials Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-33 144/FIBRO Fibro 14/11/2007
Sample Description		Fibreboard fragment 100x60x5m m
Asbestos ID in materials	-	Chrysotile asbestos detected

Moisture						
Our Reference:	UNITS	56672-1	56672-2	56672-3	56672-4	56672-5
Your Reference	-----	127/0.1	125/0.1	115/0.2	124/0.6	128/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	7/11/2007	7/11/2007	7/11/2007
Moisture	%	19	9	6	12	23

Moisture						
Our Reference:	UNITS	56672-6	56672-7	56672-8	56672-9	56672-10
Your Reference	-----	138/0.1	R6	104/0.3	101/0.1	103/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		7/11/2007	7/11/2007	8/11/2007	8/11/2007	8/11/2007
Moisture	%	20	6	13	23	20

Moisture						
Our Reference:	UNITS	56672-11	56672-12	56672-13	56672-14	56672-15
Your Reference	-----	108/0.7	99/0.2	107/0.2	100/0.1	100/0.4
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		8/11/2007	8/11/2007	8/11/2007	8/11/2007	8/11/2007
Moisture	%	6	13	23	33	15

Moisture						
Our Reference:	UNITS	56672-16	56672-17	56672-18	56672-19	56672-20
Your Reference	-----	134/0.2	106/0.1	R7	113/0.7	105/0.6
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		8/11/2007	8/11/2007	8/11/2007	9/11/2007	9/11/2007
Moisture	%	13	34	14	17	28

Moisture						
Our Reference:	UNITS	56672-21	56672-22	56672-23	56672-24	56672-25
Your Reference	-----	19/0.1	19/0.3	17/0.1	22/0.15	22/0.5
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		13/11/2007	13/11/2007	13/11/2007	13/11/2007	13/11/2007
Moisture	%	28	24	29	30	26

Moisture						
Our Reference:	UNITS	56672-26	56672-27	56672-28	56672-29	56672-30
Your Reference	-----	R8	140/0.1	141/0.1	142/0.1	143/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		13/11/2007	14/11/2007	14/11/2007	14/11/2007	14/11/2007
Moisture	%	27	25	25	21	11

Moisture Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672-31 143/0.8 Soil 14/11/2007	56672-32 144/0.05 Soil 14/11/2007	56672-34 146/0.1 Soil 14/11/2007
Moisture	%	31	13	9

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-AES following aqua regia digest.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at $105 \pm 5^{\circ}\text{C}$.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56672-6	<20 <20	56672-17	78%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56672-6	<20 <20	56672-17	77%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56672-6	<50 <50	56672-17	110%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56672-6	<50 <50	56672-17	108%
Benzene	mg/kg	0.5	SEO-018	<0.5	56672-6	<0.5 <0.5	56672-17	64%
Toluene	mg/kg	0.5	SEO-018	<0.5	56672-6	<0.5 <0.5	56672-17	67%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56672-6	<0.5 <0.5	56672-17	69%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56672-6	<1.5 <1.5	56672-17	72%
BTEX Surrogate (%)	%	0	SEO-018	118	56672-6	119 73 RPD: 48	56672-17	78%
QUALITY CONTROL PAHs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	56672-17	129%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	56672-17	116%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	56672-17	133%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56672-6	0.1 <0.1	56672-17	130%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	56672-17	134%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56672-6	0.2 0.1 RPD: 67	56672-17	128%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56672-6	0.2 0.1 RPD: 67	56672-17	136%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56672-6	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56672-6	0.08 0.05 RPD: 46	56672-17	133%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56672-6	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56672-6	<1.78 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	101	56672-6	90 97 RPD: 7	56672-17	97%
2-Fluorobiphenyl	%	0	SEO-030	101	56672-6	83 87 RPD: 5	56672-17	93%
p -Terphenyl-d 14	%	0	SEO-030	111	56672-6	106 109 RPD: 3	56672-17	112%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	129%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	127%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	120%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	126%
Endrin	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	128%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	124%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	98	56672-1	111 109 RPD: 2	56672-2	89%

QUALITY CONTROL OP Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	128%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	98	56672-1	111 109 RPD: 2	56672-2	89%
QUALITY CONTROL PCBs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	56672-2	108%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	56672-1	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	98	56672-1	111 109 RPD: 2	56672-2	109%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56672-1	5 5 RPD: 0	56672-2	90%
Cadmium	mg/kg	0.3	SEM-010	<0.3	56672-1	0.3 0.3 RPD: 0	56672-2	95%
Chromium	mg/kg	0.3	SEM-010	<0.3	56672-1	9.4 9.4 RPD: 0	56672-2	95%
Copper	mg/kg	0.5	SEM-010	<0.5	56672-1	7.4 7.1 RPD: 4	56672-2	95%
Lead	mg/kg	1	SEM-010	<1	56672-1	11 11 RPD: 0	56672-2	82%
Mercury	mg/kg	0.05	SEM-005	<0.05	56672-1	<0.05 <0.05	56672-2	102%
Nickel	mg/kg	0.5	SEM-010	<0.5	56672-1	3.8 3.8 RPD: 0	56672-2	92%
Zinc	mg/kg	0.5	SEM-010	<0.5	56672-1	31 32 RPD: 3	56672-2	91%

QUALITY CONTROL Moisture	UNITS	LOR	METHOD	Blank	
Moisture	%	1	AN002	<1	
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
TRH/BTEX in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56672-16	<20 <20	[NR]	[NR]
TRH C ₁₀ - C ₁₄	mg/kg	56672-16	<20 <20	56672-27	75%
TRH C ₁₅ - C ₂₈	mg/kg	56672-16	<50 <50	56672-27	100%
TRH C ₂₉ - C ₃₆	mg/kg	56672-16	<50 <50	56672-27	62%
Benzene	mg/kg	56672-16	<0.5 <0.5	[NR]	[NR]
Toluene	mg/kg	56672-16	<0.5 <0.5	[NR]	[NR]
Ethylbenzene	mg/kg	56672-16	<0.5 <0.5	[NR]	[NR]
Total Xylenes	mg/kg	56672-16	<1.5 <1.5	[NR]	[NR]
BTEX Surrogate (%)	%	56672-16	95 98 RPD: 3	[NR]	[NR]
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
PAHs in Soil			Base + Duplicate + %RPD		Duplicate + %RPD
Naphthalene	mg/kg	56672-16	<0.1 <0.1	56672-27	82%
Acenaphthylene	mg/kg	56672-16	<0.1 <0.1	56672-27	74%
Acenaphthene	mg/kg	56672-16	<0.1 <0.1	56672-27	99%
Fluorene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	56672-16	<0.1 <0.1	56672-27	86%
Anthracene	mg/kg	56672-16	<0.1 <0.1	56672-27	90%
Fluoranthene	mg/kg	56672-16	<0.1 <0.1	56672-27	82%
Pyrene	mg/kg	56672-16	<0.1 <0.1	56672-27	86%
Benzo[a]anthracene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	56672-16	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	56672-16	<0.05 <0.05	56672-27	97%
Indeno[123-cd]pyrene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	56672-16	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	56672-16	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	56672-16	91 85 RPD: 7	56672-27	94%
2-Fluorobiphenyl	%	56672-16	92 85 RPD: 8	56672-27	99%
<i>p</i> -Terphenyl-d14	%	56672-16	100 88 RPD: 13	56672-27	109%

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	56672-11	<0.1 <0.1	56672-22	127%
Aldrin	mg/kg	56672-11	<0.1 <0.1	56672-22	123%
<i>beta</i> -BHC	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	56672-11	<0.1 <0.1	56672-22	116%
Heptachlor Epoxide	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	56672-11	<0.1 <0.1	56672-22	120%
Endrin	mg/kg	56672-11	<0.1 <0.1	56672-22	114%
<i>o,p</i> -DDD	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	56672-11	<0.1 <0.1	56672-22	118%
Endosulfan Sulphate	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56672-11	100 100 RPD: 0	56672-22	106%

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	56672-11	<0.1 <0.1	56672-22	127%
Fenitrothion	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	56672-11	100 100 RPD: 0	56672-22	106%
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	56672-11	<0.1 <0.1	56672-22	108%
Arochlor 1262	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	56672-11	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	56672-11	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	56672-11	100 100 RPD: 0	56672-22	102%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56672-11	<3 <3	LCS	84%
Cadmium	mg/kg	56672-11	<0.3 <0.3	LCS	95%
Chromium	mg/kg	56672-11	4.6 4.5 RPD: 2	LCS	92%
Copper	mg/kg	56672-11	2.4 2.4 RPD: 0	LCS	95%
Lead	mg/kg	56672-11	4 4 RPD: 0	LCS	91%
Mercury	mg/kg	56672-11	<0.05 <0.05	LCS	96%
Nickel	mg/kg	56672-11	2.7 2.7 RPD: 0	LCS	93%
Zinc	mg/kg	56672-11	12 11 RPD: 9	LCS	94%

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	56672-26	<20 <20
TRH C ₁₀ - C ₁₄	mg/kg	56672-26	41 30 RPD: 31
TRH C ₁₅ - C ₂₈	mg/kg	56672-26	310 270 RPD: 14
TRH C ₂₉ - C ₃₆	mg/kg	56672-26	93 81 RPD: 14
Benzene	mg/kg	56672-26	<0.5 <0.5
Toluene	mg/kg	56672-26	<0.5 <0.5
Ethylbenzene	mg/kg	56672-26	<0.5 <0.5
Total Xylenes	mg/kg	56672-26	<1.5 <1.5
BTEX Surrogate (%)	%	56672-26	82 77 RPD: 6
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	56672-32	<0.1 <0.1
Acenaphthylene	mg/kg	56672-32	<0.1 <0.1
Acenaphthene	mg/kg	56672-32	<0.1 <0.1
Fluorene	mg/kg	56672-32	<0.1 <0.1
Phenanthrene	mg/kg	56672-32	<0.1 <0.1
Anthracene	mg/kg	56672-32	<0.1 <0.1
Fluoranthene	mg/kg	56672-32	<0.1 <0.1
Pyrene	mg/kg	56672-32	<0.1 <0.1
Benzo[a]anthracene	mg/kg	56672-32	<0.1 <0.1
Chrysene	mg/kg	56672-32	<0.1 <0.1
Benzo[b,k]fluoranthene	mg/kg	56672-32	<0.2 <0.2
Benzo[a]pyrene	mg/kg	56672-32	<0.05 <0.05
Indeno[123-cd]pyrene	mg/kg	56672-32	<0.1 <0.1
Dibenzo[ah]anthracene	mg/kg	56672-32	<0.1 <0.1
Benzo[ghi]perylene	mg/kg	56672-32	<0.1 <0.1
Total PAHs	mg/kg	56672-32	<1.55 <1.55
Nitrobenzene-d5	%	56672-32	103 106 RPD: 3
2-Fluorobiphenyl	%	56672-32	103 107 RPD: 4
<i>p</i> -Terphenyl-d14	%	56672-32	114 109 RPD: 4

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56672-21	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56672-21	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56672-21	<0.1 <0.1
Heptachlor	mg/kg	56672-21	<0.1 <0.1
Aldrin	mg/kg	56672-21	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56672-21	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56672-21	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56672-21	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56672-21	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56672-21	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56672-21	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56672-21	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56672-21	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56672-21	<0.1 <0.1
Dieldrin	mg/kg	56672-21	<0.1 <0.1
Endrin	mg/kg	56672-21	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56672-21	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56672-21	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56672-21	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56672-21	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56672-21	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56672-21	<0.1 <0.1
Endrin Aldehyde	mg/kg	56672-21	<0.1 <0.1
Methoxychlor	mg/kg	56672-21	<0.1 <0.1
Endrin Ketone	mg/kg	56672-21	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56672-21	109 108 RPD: 1

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56672-21	<0.1 <0.1		
Fenitrothion	mg/kg	56672-21	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56672-21	<0.1 <0.1		
Ethion	mg/kg	56672-21	<0.1 <0.1		
OP_Surrogate 1	%	56672-21	109 108 RPD: 1		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1221	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1232	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1242	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1248	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1254	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1260	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1262	mg/kg	56672-21	<0.1 <0.1		
Arochlor 1268	mg/kg	56672-21	<0.1 <0.1		
Total Positive PCB	mg/kg	56672-21	<0.90 <0.90		
PCB_Surrogate 1	%	56672-21	109 108 RPD: 1		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	56672-21	15 12 RPD: 22	56672-22	90 [N/T]
Cadmium	mg/kg	56672-21	0.8 0.8 RPD: 0	56672-22	86 [N/T]
Chromium	mg/kg	56672-21	9.9 8.4 RPD: 16	56672-22	89 [N/T]
Copper	mg/kg	56672-21	31 30 RPD: 3	56672-22	101 [N/T]
Lead	mg/kg	56672-21	140 150 RPD: 7	56672-22	91 [N/T]
Mercury	mg/kg	56672-21	0.22 0.24 RPD: 9	[NR]	[NR]
Nickel	mg/kg	56672-21	10 8.2 RPD: 20	56672-22	84 [N/T]
Zinc	mg/kg	56672-21	170 180 RPD: 6	56672-22	129 [N/T]

QUALITY CONTROL TRH/BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
TRH C ₁₀ - C ₁₄	mg/kg	56672-32	<20 <20
TRH C ₁₅ - C ₂₈	mg/kg	56672-32	<50 <50
TRH C ₂₉ - C ₃₆	mg/kg	56672-32	<50 <50
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Naphthalene	mg/kg	56672-26	0.1 <0.1
Acenaphthylene	mg/kg	56672-26	0.2 <0.1
Acenaphthene	mg/kg	56672-26	<0.1 <0.1
Fluorene	mg/kg	56672-26	<0.1 <0.1
Phenanthrene	mg/kg	56672-26	2.1 1.0 RPD: 71
Anthracene	mg/kg	56672-26	0.2 <0.1
Fluoranthene	mg/kg	56672-26	2.6 1.1 RPD: 81
Pyrene	mg/kg	56672-26	2.3 1.0 RPD: 79
Benzo[a]anthracene	mg/kg	56672-26	1.4 0.6 RPD: 80
Chrysene	mg/kg	56672-26	1.6 0.7 RPD: 78
Benzo[b,k]fluoranthene	mg/kg	56672-26	2.3 0.9 RPD: 88
Benzo[a]pyrene	mg/kg	56672-26	1.2 0.44 RPD: 93
Indeno[123-cd]pyrene	mg/kg	56672-26	0.6 0.2 RPD: 100
Dibenzo[ah]anthracene	mg/kg	56672-26	0.2 <0.1
Benzo[ghi]perylene	mg/kg	56672-26	0.7 0.3 RPD: 80
Total PAHs	mg/kg	56672-26	<15.68 <6.84
Nitrobenzene-d5	%	56672-26	98 100 RPD: 2
2-Fluorobiphenyl	%	56672-26	97 96 RPD: 1
<i>p</i> -Terphenyl-d14	%	56672-26	115 110 RPD: 4

QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56672-31	<0.1 <0.1
<i>alpha</i> -BHC	mg/kg	56672-31	<0.1 <0.1
gamma-BHC (Lindane)	mg/kg	56672-31	<0.1 <0.1
Heptachlor	mg/kg	56672-31	<0.1 <0.1
Aldrin	mg/kg	56672-31	<0.1 <0.1
<i>beta</i> -BHC	mg/kg	56672-31	<0.1 <0.1
<i>delta</i> -BHC	mg/kg	56672-31	<0.1 <0.1
Heptachlor Epoxide	mg/kg	56672-31	<0.1 <0.1
<i>o,p</i> -DDE	mg/kg	56672-31	<0.1 <0.1
<i>alpha</i> -Endosulfan	mg/kg	56672-31	<0.1 <0.1
<i>trans</i> -Chlordane	mg/kg	56672-31	<0.1 <0.1
<i>cis</i> -Chlordane	mg/kg	56672-31	<0.1 <0.1
<i>trans</i> -Nonachlor	mg/kg	56672-31	<0.1 <0.1
<i>p,p</i> -DDE	mg/kg	56672-31	<0.1 <0.1
Dieldrin	mg/kg	56672-31	<0.1 <0.1
Endrin	mg/kg	56672-31	<0.1 <0.1
<i>o,p</i> -DDD	mg/kg	56672-31	<0.1 <0.1
<i>o,p</i> -DDT	mg/kg	56672-31	<0.1 <0.1
<i>beta</i> -Endosulfan	mg/kg	56672-31	<0.1 <0.1
<i>p,p</i> -DDD	mg/kg	56672-31	<0.1 <0.1
<i>p,p</i> -DDT	mg/kg	56672-31	<0.1 <0.1
Endosulfan Sulphate	mg/kg	56672-31	<0.1 <0.1
Endrin Aldehyde	mg/kg	56672-31	<0.1 <0.1
Methoxychlor	mg/kg	56672-31	<0.1 <0.1
Endrin Ketone	mg/kg	56672-31	<0.1 <0.1
2,4,5,6-Tetrachloro-m-xylen e (<i>Surrogate</i>)	%	56672-31	118 119 RPD: 1

QUALITY CONTROL OP Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Chlorpyrifos	mg/kg	56672-31	<0.1 <0.1		
Fenitrothion	mg/kg	56672-31	<0.1 <0.1		
Bromofos Ethyl	mg/kg	56672-31	<0.1 <0.1		
Ethion	mg/kg	56672-31	<0.1 <0.1		
OP_Surrogate 1	%	56672-31	118 119 RPD: 1		
QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Arochlor 1016	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1221	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1232	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1242	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1248	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1254	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1260	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1262	mg/kg	56672-31	<0.1 <0.1		
Arochlor 1268	mg/kg	56672-31	<0.1 <0.1		
Total Positive PCB	mg/kg	56672-31	<0.90 <0.90		
PCB_Surrogate 1	%	56672-31	118 119 RPD: 1		
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury	mg/kg	56672-31	0.07 0.07 RPD: 0	Ics	96 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

No respirable fibres detected using trace analysis technique.

Sample #32: Sub Sample taken from the Jar/Bag supplied by client for Asbestos analysis at the clients request.

Asbestos analysed by Edward Ibrahim

PAH -LOR raised for number 10 and duplicate not match for # 26 due to sample matrix interference.

Date Organics extraction commenced: 23/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

11 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56672A

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	5 Soils
Date of Receipt of Samples:		4/12/07
Date of Receipt of Instructions:		4/12/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

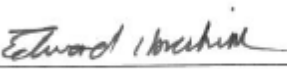
Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES


Ly Kim Ha
Senior Organic Chemist


Edward Ibrahim
Laboratory Services Manager


Alexandra Stenta
Key Account Representative

Page 1 of 7



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PAHs in TCLP (USEPA 1311)					
Our Reference:	UNITS	56672A-9	56672A-14	56672A-26	56672A-31
Your Reference	-----	101/0.1	100/0.1	R8	143/0.8
Sample Type	-----	Soil	Soil	Soil	Soil
Date Sampled		8/11/2007	8/11/2007	13/11/2007	14/11/2007
pH of soil for fluid# determ.	pH units	6.40	6.06	5.95	8.60
Extraction fluid used	-	1	1	1	1
pH of soil for fluid # determ. (acid)	pH units	1.58	1.41	1.51	1.71
pH of final Leachate	pH units	4.82	4.81	4.82	4.98
Naphthalene	µg/L	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	µg/L	<0.5	<0.5	<0.5	<0.5
Acenaphthene	µg/L	<0.5	<0.5	<0.5	<0.5
Fluorene	µg/L	<0.5	<0.5	<0.5	<0.5
Phenanthrene	µg/L	<0.5	<0.5	<0.5	<0.5
Anthracene	µg/L	<0.5	<0.5	<0.5	<0.5
Fluoranthene	µg/L	<0.5	<0.5	<0.5	<0.5
Pyrene	µg/L	<0.5	<0.5	<0.5	<0.5
Benzo[a]anthracene	µg/L	<0.5	<0.5	<0.5	<0.5
Chrysene	µg/L	<0.5	<0.5	<0.5	<0.5
Benzo[b,k]fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0
Benzo[a]pyrene	µg/L	<0.5	<0.5	<0.5	<0.5
Indeno[123-cd]pyrene	µg/L	<0.5	<0.5	<0.5	<0.5
Dibenzo[ah]anthracene	µg/L	<0.5	<0.5	<0.5	<0.5
Benzo[ghi]perylene	µg/L	<0.5	<0.5	<0.5	<0.5
Total PAHs	µg/L	<8.0	<8.0	<8.0	<8.0
Nitrobenzene-d5	%	112	99	102	96
2-Fluorobiphenyl	%	112	98	101	100
p -Terphenyl-d14	%	127	120	130	130

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56672A-9 101/0.1 Soil 8/11/2007	56672A-14 100/0.1 Soil 8/11/2007	56672A-22 19/0.3 Soil 13/11/2007	56672A-26 R8 Soil 13/11/2007	56672A-31 143/0.8 Soil 14/11/2007
pH of soil for fluid# determ.	pH units	[NA]	[NA]	6.69	[NA]	[NA]
pH of soil for fluid # determ. (acid)	pH units	[NA]	[NA]	1.58	[NA]	[NA]
Extraction fluid used	-	[NA]	[NA]	1	[NA]	[NA]
pH of final Leachate	pH units	[NA]	[NA]	4.82	[NA]	[NA]
Arsenic	mg/L	[NA]	[NA]	[NA]	<0.05	0.31
Chromium	mg/L	[NA]	[NA]	<0.005	[NA]	[NA]
Lead	mg/L	0.020	<0.020	0.040	<0.020	3.6
Nickel	mg/L	[NA]	[NA]	<0.010	<0.010	<0.010

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.

QUALITY CONTROL PAHs in TCLP (USEPA 1311)	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Naphthalene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	89 [N/T]
Acenaphthylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	76 [N/T]
Acenaphthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	108 [N/T]
Fluorene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Phenanthrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	98 [N/T]
Anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	101 [N/T]
Fluoranthene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	96 [N/T]
Pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	98 [N/T]
Benzo[a]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Chrysene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[b,k]fluoranthene	µg/L	1.0	SEO-030	<1.0	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	LCS	120 [N/T]
Indeno[123-cd]pyrene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	µg/L	0.5	SEO-030	<0.5	[NT]	[NT]	[NR]	[NR]
Total PAHs	µg/L	8.0		8.0	[NT]	[NT]	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	92	[NT]	[NT]	LCS	114 [N/T]
2-Fluorobiphenyl	%	0	SEO-030	97	[NT]	[NT]	LCS	109 [N/T]
p - Terphenyl-d 14	%	0	SEO-030	108	[NT]	[NT]	LCS	129 [N/T]

QUALITY CONTROL Metals in TCLP	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Arsenic	mg/L	0.05	SEM-010	<0.05	[NT]	[NT]	LCS	95 [N/T]
Chromium	mg/L	0.005	SEM-010	<0.005	[NT]	[NT]	LCS	97 [N/T]
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	96 [N/T]

Result Codes

[INS] : Insufficient Sample for this test
[NR] : Not Requested
[NT] : Not tested

[RPD] : Relative Percentage Difference
* : Not part of NATA Accreditation
[N/A] : Not Applicable

Report Comments

Date Organics extraction commenced: 10/12/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

12 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56751A

Attention: Leon Collins

Dear Leon

The following samples were received from you on the date indicated.

Samples:	Qty.	1 Soil
Date of Receipt of Samples:		23/11/07
Date of Receipt of Instructions:		5/12/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

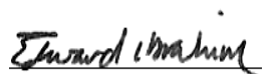
The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Edward Ibrahim

Lab Manager

Metals in TCLP		
Our Reference:	UNITS	56751A-2
Your Reference	-----	77/0.3-0.5
Sample Type	-----	Soil
Date Sampled		30/10/2007
pH of soil for fluid# determ.	pH units	5.81
pH of soil for fluid # determ. (acid)	pH units	1.68
Extraction fluid used	-	1
pH of final Leachate	pH units	4.81
Arsenic	mg/L	<0.05
Lead	mg/L	<0.020
Nickel	mg/L	<0.010

Method ID	Methodology Summary
AN101	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
SEP-003	Toxicity Characteristic Leaching Procedure (TCLP) and AS Bottle leach procedure.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Metals in TCLP								
pH of soil for fluid# determ.	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
pH of soil for fluid # determ. (acid)	pH units	0	AN101	[NT]	[NT]	[NT]	[NR]	[NR]
Extraction fluid used	-		SEP-003	1	[NT]	[NT]	[NR]	[NR]
pH of final Leachate	pH units	0	AN101	4.93	[NT]	[NT]	[NR]	[NR]
Arsenic	mg/L	0.05	SEM-010	<0.05	[NT]	[NT]	LCS	96 [N/T]
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	99 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Date Organics extraction commenced: N/A

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

30 November 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 56751

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	7 Soils & 2 Fibres
Date of Receipt of Samples:		23/11/07
Date of Receipt of Instructions:		23/11/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

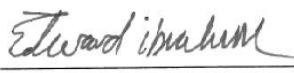
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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Page 1 of 18

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	110	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	82	82	96	80	84

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	130
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50
Benzene	mg/kg	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5
BTEX Surrogate (%)	%	85	80

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	0.1	0.2	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	0.2	0.2	<0.1
Pyrene	mg/kg	<0.1	<0.1	0.2	0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	0.06	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.55	<1.55	<1.76	<1.75	<1.55
Nitrobenzene-d5	%	93	82	79	84	79
2-Fluorobiphenyl	%	96	89	81	86	78
<i>p</i> -Terphenyl-d14	%	101	102	91	101	87

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.5
Anthracene	mg/kg	<0.1	<0.1
Fluoranthene	mg/kg	0.2	0.3
Pyrene	mg/kg	0.2	0.2
Benzo[a]anthracene	mg/kg	<0.1	0.1
Chrysene	mg/kg	<0.1	0.2
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.09	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1
Total PAHs	mg/kg	<1.79	<2.35
Nitrobenzene-d5	%	82	82
2-Fluorobiphenyl	%	80	79
p -Terphenyl-d14	%	95	91

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	93	90	83	84	84

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
HCB	mg/kg	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	97	91

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	93	90	83	84	84

OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
Chlorpyrifos	mg/kg	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1
OP_Surrogate 1	%	97	91

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	93	90	83	84	84

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
Arochlor 1016	mg/kg	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90
PCB_Surrogate 1	%	97	91

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-1 76/0.3-0.5 Soil 30/10/2007	56751-2 77/0.3-0.5 Soil 30/10/2007	56751-3 77B/0.2-0.3 Soil 30/10/2007	56751-4 79/0-0.15 Soil 30/10/2007	56751-5 80/0-0.15 Soil 31/10/2007
Arsenic	mg/kg	3	120	12	4	<3
Cadmium	mg/kg	<0.3	<0.3	<0.3	0.4	<0.3
Chromium	mg/kg	6.2	3.9	2.6	3.5	5.9
Copper	mg/kg	17	6.5	5.8	14	7.6
Lead	mg/kg	8	38	14	8	6
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	mg/kg	12	4.8	3.7	18	2.4
Zinc	mg/kg	34	42	13	120	25

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	56751-6 82/0.0-0.15 Soil 31/10/2007	56751-7 85/0.3-0.5 Soil 31/10/2007
Arsenic	mg/kg	6	26
Cadmium	mg/kg	0.7	0.4
Chromium	mg/kg	16	5.7
Copper	mg/kg	27	22
Lead	mg/kg	63	16
Mercury	mg/kg	0.07	0.13
Nickel	mg/kg	10	6.3
Zinc	mg/kg	190	25

Asbestos ID in soil	UNITS	56751-5	56751-6
Our Reference:	-----	80/0-0.15	82/0.0-0.15
Your Reference	-----	Soil	Soil
Sample Type		31/10/2007	31/10/2007
Date Sampled			
Sample Description		31g soil, rocks	23g soil, plant matter
Asbestos ID in soil	-	No asbestos detected	No asbestos detected

Asbestos ID in materials	UNITS	56751-8	56751-9
Our Reference:	-----	77/0-0.1	80/0-0.01
Your Reference	-----	Fibre	Fibre
Sample Type		cement	cement
Date Sampled		30/10/2007	30/10/2007
Sample Description		Cemment sheet 80x70x6m m	Cemment sheet 100x80x6m m
Asbestos ID in materials	-	Crocidolite asbestos detected Amosite asbestos detected Chrysotile asbestos detected	Chrysotile asbestos detected Crocidolite asbestos detected

Moisture						
Our Reference:	UNITS	56751-1	56751-2	56751-3	56751-4	56751-5
Your Reference	-----	76/0.3-0.5	77/0.3-0.5	77B/0.2-0.3	79/0-0.15	80/0-0.15
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		30/10/2007	30/10/2007	30/10/2007	30/10/2007	31/10/2007
Moisture	%	12	4	3	9	8

Moisture			
Our Reference:	UNITS	56751-6	56751-7
Your Reference	-----	82/0.0-0.15	85/0.3-0.5
Sample Type	-----	Soil	Soil
Date Sampled		31/10/2007	31/10/2007
Moisture	%	23	12

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	56751-4	<20 <20	56751-5	92%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	56751-4	<20 <20	56751-5	83%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	56751-4	110 <50	56751-5	88%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	56751-4	<50 <50	56751-5	81%
Benzene	mg/kg	0.5	SEO-018	<0.5	56751-4	<0.5 <0.5	56751-5	74%
Toluene	mg/kg	0.5	SEO-018	<0.5	56751-4	<0.5 <0.5	56751-5	80%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	56751-4	<0.5 <0.5	56751-5	85%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	56751-4	<1.5 <1.5	56751-5	89%
BTEX Surrogate (%)	%	0	SEO-018	101	56751-4	80 80 RPD: 0	56751-5	80%
QUALITY CONTROL PAHs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	LCS	83%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	LCS	74%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	LCS	99%
Fluorene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	56751-4	0.2 0.2 RPD: 0	LCS	85%
Anthracene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	LCS	87%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	56751-4	0.2 0.2 RPD: 0	LCS	86%
Pyrene	mg/kg	0.1	SEO-030	<0.1	56751-4	0.1 0.1 RPD: 0	LCS	90%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	56751-4	0.1 0.1 RPD: 0	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	56751-4	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	56751-4	<0.05 <0.05	LCS	107%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	56751-4	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	56751-4	<1.75 <1.77	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	93	56751-4	84 86 RPD: 2	LCS	90%
2-Fluorobiphenyl	%	0	SEO-030	97	56751-4	86 87 RPD: 1	LCS	97%
<i>p</i> -Terphenyl-d 14	%	0	SEO-030	105	56751-4	101 104 RPD: 3	LCS	111%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	97%
Aldrin	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	95%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	95%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	96%
Endrin	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	98%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	91%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	91	56751-1	93 94 RPD: 1	56751-3	87%

QUALITY CONTROL OP Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	101%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	91	56751-1	93 94 RPD: 1	56751-3	87%
QUALITY CONTROL PCBs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	56751-3	89%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	56751-1	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	91	56751-1	93 94 RPD: 1	56751-3	88%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	56751-1	3 [N/T]	[NR]	[NR]
Cadmium	mg/kg	0.3	SEM-010	<0.3	56751-1	<0.3 [N/T]	[NR]	[NR]
Chromium	mg/kg	0.3	SEM-010	<0.3	56751-1	6.2 [N/T]	[NR]	[NR]
Copper	mg/kg	0.5	SEM-010	<0.5	56751-1	17 [N/T]	[NR]	[NR]
Lead	mg/kg	1	SEM-010	<1	56751-1	8 [N/T]	[NR]	[NR]
Mercury	mg/kg	0.05	SEM-005	<0.05	56751-1	<0.05 <0.05	56751-2	112%
Nickel	mg/kg	0.5	SEM-010	<0.5	56751-1	12 [N/T]	[NR]	[NR]
Zinc	mg/kg	0.5	SEM-010	<0.5	56751-1	34 [N/T]	[NR]	[NR]

QUALITY CONTROL Moisture	UNITS	LOR	METHOD	Blank	
Moisture	%	1	AN002	<1	
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	[NT]	[NT]	LCS	98 [N/T]
Cadmium	mg/kg	[NT]	[NT]	LCS	98 [N/T]
Chromium	mg/kg	[NT]	[NT]	LCS	98 [N/T]
Copper	mg/kg	[NT]	[NT]	LCS	99 [N/T]
Lead	mg/kg	[NT]	[NT]	LCS	98 [N/T]
Mercury	mg/kg	[NT]	[NT]	[NR]	[NR]
Nickel	mg/kg	[NT]	[NT]	LCS	100 [N/T]
Zinc	mg/kg	[NT]	[NT]	LCS	97 [N/T]

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

No respirable fibres detected using trace analysis technique.

Asbestos analysed by Edward Ibrahim

Date Organics extraction commenced: 27/11/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

12 December 2007

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, Minmi

Report Number: 57010

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	4 Soils
Date of Receipt of Samples:		5/12/07
Date of Receipt of Instructions:		5/12/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

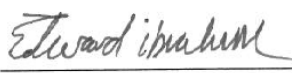
Should you have any queries regarding this report please contact the undersigned.

Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha
Senior Organic Chemist



Edward Ibrahim
Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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TRH/BTEX in Soil	UNITS	57010-1	57010-2	57010-3	57010-4
Our Reference:	-----	109/0.1	110/0.3	110/1.0	112/0.1
Your Reference	-----	Soil	Soil	Soil	Soil
Sample Type					
Date Sampled		30/11/2007	30/11/2007	30/11/2007	30/11/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	110	<50	<50	110
TRH C ₂₉ - C ₃₆	mg/kg	81	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	98	88	69	89

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57010-1 109/0.1 Soil 30/11/2007	57010-2 110/0.3 Soil 30/11/2007	57010-3 110/1.0 Soil 30/11/2007	57010-4 112/0.1 Soil 30/11/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.3	<0.1	<0.1	0.3
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.5	<0.1	<0.1	0.2
Pyrene	mg/kg	0.5	<0.1	<0.1	0.2
Benzo[a]anthracene	mg/kg	0.5	<0.1	<0.1	0.1
Chrysene	mg/kg	0.4	<0.1	<0.1	0.2
Benzo[b,k]fluoranthene	mg/kg	0.7	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	0.38	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	0.3	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	0.2	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<4.38	<1.55	<1.55	<2.05
Nitrobenzene-d5	%	84	88	97	118
2-Fluorobiphenyl	%	83	88	98	100
<i>p</i> -Terphenyl-d14	%	106	97	115	124

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57010-1 109/0.1 Soil 30/11/2007	57010-2 110/0.3 Soil 30/11/2007	57010-3 110/1.0 Soil 30/11/2007	57010-4 112/0.1 Soil 30/11/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	99	97	92	101

OP Pesticides in Soil					
Our Reference:	UNITS	57010-1	57010-2	57010-3	57010-4
Your Reference	-----	109/0.1	110/0.3	110/1.0	112/0.1
Sample Type	-----	Soil	Soil	Soil	Soil
Date Sampled		30/11/2007	30/11/2007	30/11/2007	30/11/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	99	97	92	101

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57010-1 109/0.1 Soil 30/11/2007	57010-2 110/0.3 Soil 30/11/2007	57010-3 110/1.0 Soil 30/11/2007	57010-4 112/0.1 Soil 30/11/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	99	97	92	101

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57010-1 109/0.1 Soil 30/11/2007	57010-2 110/0.3 Soil 30/11/2007	57010-3 110/1.0 Soil 30/11/2007	57010-4 112/0.1 Soil 30/11/2007
Arsenic	mg/kg	10	5	6	13
Cadmium	mg/kg	0.5	<0.3	<0.3	1.5
Chromium	mg/kg	6.5	3.6	4.3	8.0
Copper	mg/kg	13	5.8	4.9	43
Lead	mg/kg	71	15	9.8	270
Mercury	mg/kg	0.16	<0.05	<0.05	0.11
Nickel	mg/kg	9.5	4.2	4.5	3.7
Zinc	mg/kg	89	21	16	<0.5

Moisture					
Our Reference:	UNITS	57010-1	57010-2	57010-3	57010-4
Your Reference	-----	109/0.1	110/0.3	110/1.0	112/0.1
Sample Type	-----	Soil	Soil	Soil	Soil
Date Sampled		30/11/2007	30/11/2007	30/11/2007	30/11/2007
Moisture	%	23	17	18	20

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	57010-3	<20 <20	LCS	84%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	57010-3	<20 [N/T]	LCS	125%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	57010-3	<50 [N/T]	LCS	134%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	57010-3	<50 [N/T]	LCS	138%
Benzene	mg/kg	0.5	SEO-018	<0.5	57010-3	<0.5 <0.5	LCS	77%
Toluene	mg/kg	0.5	SEO-018	<0.5	57010-3	<0.5 <0.5	LCS	73%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	57010-3	<0.5 <0.5	LCS	75%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	57010-3	<1.5 <1.5	LCS	79%
BTEX Surrogate (%)	%	0	SEO-018	101	57010-3	69 84 RPD: 20	LCS	100%
QUALITY CONTROL PAHs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	86%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	71%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	99%
Fluorene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	88%
Anthracene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	88%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	85%
Pyrene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	LCS	87%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	[NT]	[NT]	LCS	96%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	[NT]	[NT]	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	[NT]	[NT]	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	81	[NT]	[NT]	LCS	90%
2-Fluorobiphenyl	%	0	SEO-030	86	[NT]	[NT]	LCS	90%
<i>p</i> -Terphenyl-d 14	%	0	SEO-030	97	[NT]	[NT]	LCS	103%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	110%
Aldrin	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	110%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	103%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	110%
Endrin	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	107%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	105%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	95	[NT]	[NT]	LCS	95%

QUALITY CONTROL OP Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	109%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	95	[NT]	[NT]	LCS	95%
QUALITY CONTROL PCBs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	LCS	138%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	[NT]	[NT]	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	95	[NT]	[NT]	LCS	95%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	57010-1	10 [N/T]	LCS	101%
Cadmium	mg/kg	0.3	SEM-010	<0.3	57010-1	0.5 [N/T]	LCS	101%
Chromium	mg/kg	0.3	SEM-010	<0.3	57010-1	6.5 [N/T]	LCS	99%
Copper	mg/kg	0.5	SEM-010	<0.5	57010-1	13 [N/T]	LCS	100%
Lead	mg/kg	1	SEM-010	<1	57010-1	71 [N/T]	LCS	102%
Mercury	mg/kg	0.05	SEM-005	<0.05	57010-1	0.16 0.16 RPD: 0	[NR]	[NR]
Nickel	mg/kg	0.5	SEM-010	<0.5	57010-1	9.5 [N/T]	LCS	102%
Zinc	mg/kg	0.5	SEM-010	<0.5	57010-1	89 [N/T]	LCS	99%

QUALITY CONTROL Moisture	UNITS	LOR	METHOD	Blank
Moisture	%	1	AN002	<1

QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	[NT]	[NT]	[NR]	[NR]
Cadmium	mg/kg	[NT]	[NT]	[NR]	[NR]
Chromium	mg/kg	[NT]	[NT]	[NR]	[NR]
Copper	mg/kg	[NT]	[NT]	[NR]	[NR]
Lead	mg/kg	[NT]	[NT]	[NR]	[NR]
Mercury	mg/kg	[NT]	[NT]	57010-2	113%
Nickel	mg/kg	[NT]	[NT]	[NR]	[NR]
Zinc	mg/kg	[NT]	[NT]	[NR]	[NR]

Result Codes

[INS] : Insufficient Sample for this test
[NR] : Not Requested
[NT] : Not tested

[RPD] : Relative Percentage Difference
* : Not part of NATA Accreditation
[N/A] : Not Applicable

Report Comments

Date Organics extraction commenced: 07/12/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.

3 January 2008

TEST REPORT

Douglas Partners Pty Ltd

Box 324

Hunter Region Mail Centre

NSW 2310

Your Reference: 39663C, MINMI

Report Number: 57521

Attention: Will Wright

Dear Will

The following samples were received from you on the date indicated.

Samples:	Qty.	6 Soils & 3 Fibros
Date of Receipt of Samples:		21/12/07
Date of Receipt of Instructions:		21/12/07
Date Preliminary Report Emailed:		Not Issued

These samples were analysed in accordance with your written instructions.

A copy of the instructions is attached with the analytical report.

The results and associated quality control are contained in the following pages of this report.

Unless otherwise stated, solid samples are expressed on a dry weight basis (moisture has been supplied for your information only), air and liquid samples as received.

Should you have any queries regarding this report please contact the undersigned.

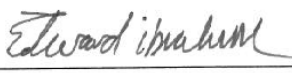
Yours faithfully

SGS ENVIRONMENTAL SERVICES



Ly Kim Ha

Senior Organic Chemist



Edward Ibrahim

Laboratory Services Manager



WORLD RECOGNISED
ACCREDITATION

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TRH/BTEX in Soil Our Reference: Your Reference	UNITS ----- -----	57521-1 130/0.1	57521-2 147A/0-0.0 5	57521-3 149/0.05	57521-5 152/0.1	57521-7 153/0.1
Sample Type Date Sampled		Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20	<20	<20	<20	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50	<50	<50	<50	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50	<50	<50	<50	<50
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	mg/kg	<1.5	<1.5	<1.5	<1.5	<1.5
BTEX Surrogate (%)	%	94	97	99	93	99

TRH/BTEX in Soil Our Reference: Your Reference	UNITS ----- -----	57521-9 157/0.1
Sample Type Date Sampled		Soil 20/12/2007
TRH C ₆ - C ₉ P&T	mg/kg	<20
TRH C ₁₀ - C ₁₄	mg/kg	<20
TRH C ₁₅ - C ₂₈	mg/kg	<50
TRH C ₂₉ - C ₃₆	mg/kg	<50
Benzene	mg/kg	<0.5
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<0.5
Total Xylenes	mg/kg	<1.5
BTEX Surrogate (%)	%	95

PAHs in Soil Our Reference: Your Reference	UNITS -----	57521-1 130/0.1	57521-2 147A/0-0.0 5	57521-3 149/0.05	57521-5 152/0.1	57521-7 153/0.1
Sample Type Date Sampled	-----	Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007	Soil 19/12/2007
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	mg/kg	<1.65	<1.55	<1.55	<1.55	<1.55
Nitrobenzene-d5	%	96	93	93	97	96
2-Fluorobiphenyl	%	88	98	95	102	98
p -Terphenyl-d14	%	99	96	96	104	101

PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-9 157/0.1 Soil 20/12/2007
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo[a]anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo[b,k]fluoranthene	mg/kg	<0.2
Benzo[a]pyrene	mg/kg	<0.05
Indeno[123-cd]pyrene	mg/kg	<0.1
Dibenzo[ah]anthracene	mg/kg	<0.1
Benzo[ghi]perylene	mg/kg	<0.1
Total PAHs	mg/kg	<1.55
Nitrobenzene-d5	%	91
2-Fluorobiphenyl	%	93
<i>p</i> -Terphenyl- <i>d</i> 14	%	94

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.0 5 Soil 19/12/2007	57521-3 149/0.05 Soil 19/12/2007	57521-5 152/0.1 Soil 19/12/2007	57521-7 153/0.1 Soil 19/12/2007
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>delta</i> -BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	117	104	107	111	105

OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-9 157/0.1 Soil 20/12/2007
HCB	mg/kg	<0.1
<i>alpha</i> -BHC	mg/kg	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
Aldrin	mg/kg	<0.1
<i>beta</i> -BHC	mg/kg	<0.1
<i>delta</i> -BHC	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
<i>o,p</i> -DDE	mg/kg	<0.1
<i>alpha</i> -Endosulfan	mg/kg	<0.1
<i>trans</i> -Chlordane	mg/kg	<0.1
<i>cis</i> -Chlordane	mg/kg	<0.1
<i>trans</i> -Nonachlor	mg/kg	<0.1
<i>p,p</i> -DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
<i>o,p</i> -DDD	mg/kg	<0.1
<i>o,p</i> -DDT	mg/kg	<0.1
<i>beta</i> -Endosulfan	mg/kg	<0.1
<i>p,p</i> -DDD	mg/kg	<0.1
<i>p,p</i> -DDT	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Endrin Ketone	mg/kg	<0.1
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	102

OP Pesticides in Soil						
Our Reference:	UNITS	57521-1	57521-2	57521-3	57521-5	57521-7
Your Reference	-----	130/0.1	147A/0-0.0	149/0.05	152/0.1	153/0.1
Sample Type	-----	Soil	5	Soil	Soil	Soil
Date Sampled		19/12/2007	19/12/2007	19/12/2007	19/12/2007	19/12/2007
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromofos Ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
OP_Surrogate 1	%	117	104	107	111	105

OP Pesticides in Soil		
Our Reference:	UNITS	57521-9
Your Reference	-----	157/0.1
Sample Type	-----	Soil
Date Sampled		20/12/2007
Chlorpyrifos	mg/kg	<0.1
Fenitrothion	mg/kg	<0.1
Bromofos Ethyl	mg/kg	<0.1
Ethion	mg/kg	<0.1
OP_Surrogate 1	%	102

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.0 5 Soil 19/12/2007	57521-3 149/0.05 Soil 19/12/2007	57521-5 152/0.1 Soil 19/12/2007	57521-7 153/0.1 Soil 19/12/2007
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1262	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1268	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total Positive PCB	mg/kg	<0.90	<0.90	<0.90	<0.90	<0.90
PCB_Surrogate 1	%	117	104	107	111	105

PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-9 157/0.1 Soil 20/12/2007
Arochlor 1016	mg/kg	<0.1
Arochlor 1221	mg/kg	<0.1
Arochlor 1232	mg/kg	<0.1
Arochlor 1242	mg/kg	<0.1
Arochlor 1248	mg/kg	<0.1
Arochlor 1254	mg/kg	<0.1
Arochlor 1260	mg/kg	<0.1
Arochlor 1262	mg/kg	<0.1
Arochlor 1268	mg/kg	<0.1
Total Positive PCB	mg/kg	<0.90
PCB_Surrogate 1	%	102

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.0 5 Soil 19/12/2007	57521-3 149/0.05 Soil 19/12/2007	57521-5 152/0.1 Soil 19/12/2007	57521-7 153/0.1 Soil 19/12/2007
Arsenic	mg/kg	13	11	5	9	<3
Cadmium	mg/kg	<0.3	<0.3	4.4	0.9	<0.3
Chromium	mg/kg	3.7	5.5	6.0	3.7	1.0
Copper	mg/kg	9.0	7.1	13	15	0.6
Lead	mg/kg	14	17	130	71	6
Mercury	mg/kg	0.06	<0.05	0.06	0.05	<0.05
Nickel	mg/kg	2.9	1.9	3.0	1.8	<0.5
Zinc	mg/kg	41	21	770	78	2.8

Acid Extractable Metals in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-9 157/0.1 Soil 20/12/2007
Arsenic	mg/kg	4
Cadmium	mg/kg	<0.3
Chromium	mg/kg	3.5
Copper	mg/kg	2.5
Lead	mg/kg	7
Mercury	mg/kg	<0.05
Nickel	mg/kg	3.0
Zinc	mg/kg	30

Asbestos ID in soil				
Our Reference:	UNITS	57521-3	57521-5	57521-7
Your Reference	-----	149/0.05	152/0.1	153/0.1
Sample Type	-----	Soil	Soil	Soil
Date Sampled		19/12/2007	19/12/2007	19/12/2007
Sample Description		30g soil	30g soil	30g soil
Asbestos ID in soil	-	Chrysotile asbestos detected	Chrysotile asbestos detected	No asbestos detected , however Synthetic Mineral Fibres detected*

Asbestos ID in materials Our Reference: Your Reference Sample Type Date Sampled	UNITS ----- -----	57521-4 149/Fibro Fibro 19/12/2007	57521-6 152/Fibro Fibro 19/12/2007	57521-8 153/Fibro Fibro 19/12/2007
Sample Description		80x50x4 mm cement sheet fragment	120x100x4 mm cement sheet fragment	130x110x4 mm fibre board fragment
Asbestos ID in materials	-	Chrysotile asbestos detected	Chrysotile asbestos detected	No asbestos detected

Moisture						
Our Reference:	UNITS	57521-1	57521-2	57521-3	57521-5	57521-7
Your Reference	-----	130/0.1	147A/0-0.0 5	149/0.05	152/0.1	153/0.1
Sample Type	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		19/12/2007	19/12/2007	19/12/2007	19/12/2007	19/12/2007
Moisture	%	25	23	23	23	17

Moisture		
Our Reference:	UNITS	57521-9
Your Reference	-----	157/0.1
Sample Type	-----	Soil
Date Sampled		20/12/2007
Moisture	%	8

Method ID	Methodology Summary
SEO-017	BTEX/TRH C6-C9 - Determination by Purge and Trap Gas Chromatography with Flame Ionisation Detection (FID) and Photo Ionisation Detection (PID). The surrogate spike used is aaa-trifluorotoluene.
SEO-020	TRH - Determination of Total Recoverable Hydrocarbons by gas chromatography following extraction with DCM/Acetone for solids and DCM for liquids.
SEO-018	BTEX - Determination by purge and trap/ Gas Chromatography with MS Detection.
SEO-030	PAHs by GC/MS - Determination of Polynuclear Aromatic Hydrocarbons (PAH's) by Gas Chromatography / Mass Spectrometry following extraction with dichloromethane or dichloromethane/acetone. The surrogate spike used is p-Terphenyl-d14.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by sonication extraction using dichloromethane for waters or acetone / hexane for soils followed by Gas Chromatographic separation with Electron Capture Detection (GC/ECD). The surrogate spike used is 2,4,5,6-Tetrachloro-m-xylene.
SEM-010	Metals - Determination of various metals by ICP-OES following appropriate sample preparation or digestion process.
SEM-005	Mercury - Determination of Mercury by Cold Vapour Generation Atomic Absorption Spectroscopy.
AN602	Qualitative identification of asbestos type fibres in bulk using Polarised Light Microscopy and Dispersion Staining Techniques. Accreditation does not cover the identification of Synthetic Mineral Fibre.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL TRH/BTEX in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH C ₆ - C ₉ P&T	mg/kg	20	SEO-017	<20	57521-5	<20 <20	LCS	95%
TRH C ₁₀ - C ₁₄	mg/kg	20	SEO-020	<20	57521-5	<20 <20	LCS	93%
TRH C ₁₅ - C ₂₈	mg/kg	50	SEO-020	<50	57521-5	<50 <50	LCS	96%
TRH C ₂₉ - C ₃₆	mg/kg	50	SEO-020	<50	57521-5	<50 <50	LCS	94%
Benzene	mg/kg	0.5	SEO-018	<0.5	57521-5	<0.5 <0.5	LCS	78%
Toluene	mg/kg	0.5	SEO-018	<0.5	57521-5	<0.5 <0.5	LCS	81%
Ethylbenzene	mg/kg	0.5	SEO-018	<0.5	57521-5	<0.5 <0.5	LCS	83%
Total Xylenes	mg/kg	1.5	SEO-018	<1.5	57521-5	<1.5 <1.5	LCS	86%
BTEX Surrogate (%)	%	0	SEO-018	88	57521-5	93 93 RPD: 0	LCS	110%
QUALITY CONTROL PAHs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Naphthalene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	89%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	79%
Acenaphthene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	103%
Fluorene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	93%
Anthracene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	98%
Fluoranthene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	91%
Pyrene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	LCS	93%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Benzo[b,k]fluoranthene	mg/kg	0.2	SEO-030	<0.2	57521-5	<0.2 <0.2	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.05	SEO-030	<0.05	57521-5	<0.05 <0.05	LCS	93%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.1	57521-5	<0.1 <0.1	[NR]	[NR]
Total PAHs	mg/kg	1.55	SEO-030	1.55	57521-5	<1.55 <1.55	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	94	57521-5	97 101 RPD: 4	LCS	92%
2-Fluorobiphenyl	%	0	SEO-030	96	57521-5	102 102 RPD: 0	LCS	94%
<i>p</i> -Terphenyl-d 14	%	0	SEO-030	98	57521-5	104 105 RPD: 1	LCS	97%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
HCB	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	110%
Aldrin	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	108%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	100%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	108%
Endrin	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	109%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	105%
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (<i>Surrogate</i>)	%	0	SEO-005	98	57521-1	117 116 RPD: 1	LCS	103%

QUALITY CONTROL OP Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Chlorpyrifos	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	113%
Fenitrothion	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Bromofos Ethyl	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
OP_Surrogate 1	%	0	SEO-005	98	57521-1	117 116 RPD: 1	LCS	103%
QUALITY CONTROL PCBs in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	LCS	98%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	0.90	57521-1	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	98	57521-1	117 116 RPD: 1	LCS	100%
QUALITY CONTROL Acid Extractable Metals in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Arsenic	mg/kg	3	SEM-010	<3	[NT]	[NT]	LCS	102%
Cadmium	mg/kg	0.3	SEM-010	<0.3	[NT]	[NT]	LCS	102%
Chromium	mg/kg	0.3	SEM-010	<0.3	[NT]	[NT]	LCS	99%
Copper	mg/kg	0.5	SEM-010	<0.5	[NT]	[NT]	LCS	104%
Lead	mg/kg	1	SEM-010	<1	[NT]	[NT]	LCS	101%
Mercury	mg/kg	0.05	SEM-005	<0.05	[NT]	[NT]	LCS	96%
Nickel	mg/kg	0.5	SEM-010	<0.5	[NT]	[NT]	LCS	102%
Zinc	mg/kg	0.5	SEM-010	<0.5	[NT]	[NT]	LCS	98%

QUALITY CONTROL Moisture	UNITS	LOR	METHOD	Blank
Moisture	%	1	AN002	<1

Result Codes

[INS]	: Insufficient Sample for this test	[RPD]	: Relative Percentage Difference
[NR]	: Not Requested	*	: Not part of NATA Accreditation
[NT]	: Not tested	[N/A]	: Not Applicable

Report Comments

Sampled by the client

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarised light microscopy.

This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

Sub Sample taken from the Jar/Bag supplied by client for Asbestos analysis at the clients request.

#8 : Sample was ashed after initial stereo microscope examination, re-examined and trace analysis performed on all samples. No respirable fibres detected using trace analysis technique.

Sample #3 : 2mm length fibre bundle found loose in sample.

Sample#5 : 2mm length fibre bundle hand picked and found loose in sample

Date Organics extraction commenced: 27/12/07

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Dioxins/Furans* and PAH in XAD and PUF).

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Quality Control Protocol

Reagent Blank: Sample free reagents carried through the preparation/extraction/digestion procedure and analysed at the beginning of every sample batch analysis. For larger projects, a reagent blank is prepared and analysed with every 20 samples.

Duplicate: A separate portion of a sample being analysed which is treated the same as the other samples in the batch. A duplicate is prepared at least every 10 samples.

Matrix Spike Duplicates: Sample replicates spiked with identical concentrations of target analyte(s). The spiking occurs during the sample preparation and prior to the extraction/digestion procedure. They are used to document the precision and bias of a method in a given sample matrix. Where there is not enough sample available to prepare a spiked sample, another known soil/sand or water (or Milli-Q water) may be used. A duplicate spiked sample is prepared at least every 20 samples.

Surrogate Spike: Added to all samples requiring analysis for organics (where relevant) prior to extraction. Used to determine the extraction efficiency. They are organic compounds which are similar to the target analyte(s) in chemical composition and behaviour in the analytical process, but which are not normally found in environmental samples.

Internal Standard: Added to all samples requiring analysis for organics (where relevant) after the extraction process; the compounds serve to give a standard of retention time and response, which is invariant from run-to-run with the instruments.

Control Standards: Prepared from a source independent of the calibration standards. At least one control standard is included in each run to confirm calibration validity.

Additional QC Samples: A calibration standard and blank are run after every 20 samples of an instrumental analysis run to assess analytical drift.

Quality Acceptance Criteria

Duplicates: <5xLOR - no RPD criteria. >5xLOR 0-30% RPD is accepted.

Matrix Spikes and LCS: 70-130% recovery accepted for metals/inorganics; 60-140% for organics.

Surrogates: 70-130% recovery is accepted unless specified.