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

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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

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

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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 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	54	56	<50	92
TRH C_{29} - C_{36}	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 C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	<20	<20	<20	34	<20
TRH C_{15} - C_{28}	mg/kg	<50	<50	<50	330	<50
TRH C_{29} - C_{36}	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 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	190
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	91	91	101	98

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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

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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

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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
p -Terphenyl-*d14*	%	78	88	94	91	92

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	91	99	97	95	98

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	103	101	100	96	83

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	91	100	94	93	91

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	96	99	95	101	100

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	114	96	98	103	101

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	100	98	97	77	96

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	95	95	93	96	95

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	95	97	90	103	105

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	111	111	105	105	105

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
o,p-DDE	mg/kg	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1
p,p-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 *(Surrogate*	%	109	97	104

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OP 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
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: 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
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: 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
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: 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
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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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 ± 5°C.

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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	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 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	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%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56238-4	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	97	56238-4	95 || 97 || RPD: 2	56238-17	92%

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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%

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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	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 PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery 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%
p -Terphenyl-*d14*	%	56238-14	74 || 75 || RPD: 1	56238-39	91%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	56238-14	<0.1 || <0.1	56238-38	112%
Heptachlor Epoxide	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
o,p-DDE	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	56238-14	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	56238-14	93 || 90 || RPD: 3	56238-38	91%

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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%

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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%
p -Terphenyl-*d14*	%	56238-26	94 || 98 || RPD: 4	56238-42	99%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	56238-26	<0.1 || <0.1	56238-41	122%
Heptachlor Epoxide	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
o,p-DDE	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	56238-26	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	56238-26	100 || 95 || RPD: 5	56238-41	108%

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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]

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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
p -Terphenyl-*d14*	%	56238-36	95 || 97 || RPD: 2

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56238-36	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56238-36	<0.1 || <0.1
delta-BHC	mg/kg	56238-36	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56238-36	<0.1 || <0.1
o,p-DDE	mg/kg	56238-36	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56238-36	<0.1 || <0.1
trans-Chlordane	mg/kg	56238-36	<0.1 || <0.1
cis-Chlordane	mg/kg	56238-36	<0.1 || <0.1
trans-Nonachlor	mg/kg	56238-36	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56238-36	<0.1 || <0.1
o,p-DDT	mg/kg	56238-36	<0.1 || <0.1
beta-Endosulfan	mg/kg	56238-36	<0.1 || <0.1
p,p-DDD	mg/kg	56238-36	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56238-36	95 || 97 || RPD: 2

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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%

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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
p -Terphenyl-*d14*	%	56238-45	119 || 123 || RPD: 3

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56238-45	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56238-45	<0.1 || <0.1
delta-BHC	mg/kg	56238-45	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56238-45	<0.1 || <0.1
o,p-DDE	mg/kg	56238-45	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56238-45	<0.1 || <0.1
trans-Chlordane	mg/kg	56238-45	<0.1 || <0.1
cis-Chlordane	mg/kg	56238-45	<0.1 || <0.1
trans-Nonachlor	mg/kg	56238-45	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56238-45	<0.1 || <0.1
o,p-DDT	mg/kg	56238-45	<0.1 || <0.1
beta-Endosulfan	mg/kg	56238-45	<0.1 || <0.1
p,p-DDD	mg/kg	56238-45	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56238-45	105 || 101 || RPD: 4

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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

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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]

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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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

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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

PAHs in TCLP (USEPA 1311) 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
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

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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

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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.

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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%

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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]
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%

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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.

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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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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

Inorganics Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56238B-2 32/0.6 Soil 26/10/2007	56238B-3 35/0.7 Soil 26/10/2007	56238B-12 41/2.0 Soil 25/10/2007	56238B-16 11/0.7 Soil 25/10/2007	56238B-27 47/2.3 Soil 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: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56238B-28 38/1.9 Soil 26/10/2007	56238B-29 29/0.1 Soil 26/10/2007	56238B-32 28/1.6 Soil 30/10/2007	56238B-42 2/1.6 Soil 29/10/2007	56238B-43 4a/1.1 Soil 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

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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.

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QUALITY CONTROL Inorganics	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
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, SO4 1:5 soil:water	mg/kg	2	SEI-038	<2	56238B-2	150 || 160 || RPD: 6	56238B-12	105 || [N/T]

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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.

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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

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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

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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
p -Terphenyl-*d14*	%	113	122	116	123	126

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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

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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

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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

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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	115	105	111	112

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	112	111	119	109	109

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	109	107	109	114	107

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	109	109	110	102	111

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	99	97	93	93	95

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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

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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

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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

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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

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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

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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

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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

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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

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Asbestos ID in materials		
Our Reference:	UNITS	56338-27
Your Reference	----------	67/0.3-0.5
Sample Type	----------	Soil
Date Sampled		
Sample Description		Cement Sheet Fragment 80x70x4mm
Asbestos ID in materials	-	Chrysotile asbestos detected

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Moisture 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
Moisture	%	8	22	26	21	14

Moisture 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
Moisture	%	12	15	38	12	17

Moisture 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
Moisture	%	10	14	12	16	18

Moisture 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
Moisture	%	15	12	26	7	25

Moisture 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
Moisture	%	16	11	23	14	22

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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 ± 5°C.

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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%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	89	56338-5	112 || 111 || RPD: 1	56338-13	113%

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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%

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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%

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QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
p -Terphenyl-*d14*	%	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]
alpha-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%
beta-BHC	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	56338-12	<0.1 || <0.1	56338-23	116%
Heptachlor Epoxide	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
o,p-DDE	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-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%

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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]

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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
p -Terphenyl-*d14*	%	56338-11	121 || 125 || RPD: 3

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56338-22	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56338-22	<0.1 || <0.1
delta-BHC	mg/kg	56338-22	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56338-22	<0.1 || <0.1
o,p-DDE	mg/kg	56338-22	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56338-22	<0.1 || <0.1
trans-Chlordane	mg/kg	56338-22	<0.1 || <0.1
cis-Chlordane	mg/kg	56338-22	<0.1 || <0.1
trans-Nonachlor	mg/kg	56338-22	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56338-22	<0.1 || <0.1
o,p-DDT	mg/kg	56338-22	<0.1 || <0.1
beta-Endosulfan	mg/kg	56338-22	<0.1 || <0.1
p,p-DDD	mg/kg	56338-22	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56338-22	97 || 95 || RPD: 2

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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]

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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.

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

Asbestos analysed by Wonnie 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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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.

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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

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PAHs in TCLP (USEPA 1311) Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56338A-23 D109 Soil 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
p -Terphenyl-*d14*	%	118

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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

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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.

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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%

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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	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	<0.0005	[NT]	[NT]	LCS	109%

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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.

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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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Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
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Inorganics Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56338B-13 64/1.3-1.5 Soil 2/11/2007	56338B-18 72/1.3-1.5 Soil 2/11/2007	56338B-20 74/0.8-1.0 Soil 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, SO4 1:5 soil:water	mg/kg	190	44	9

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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.

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QUALITY CONTROL Inorganics	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
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, SO4 1:5 soil:water	mg/kg	2	SEI-038	<2	[NT]	[NT]	LCS	102 || [N/T]

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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

Cloride 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.
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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.

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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

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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

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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
p -Terphenyl-*d14*	%	113	122	116	123	126

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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

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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

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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

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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	115	105	111	112

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	112	111	119	109	109

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	109	107	109	114	107

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	109	109	110	102	111

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	99	97	93	93	95

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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

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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

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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

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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

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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

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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

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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

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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

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Asbestos ID in materials		
Our Reference:	UNITS	56338-27
Your Reference	----------	67/0.3-0.5
Sample Type	----------	Soil
Date Sampled		
Sample Description		Cement Sheet Fragment 80x70x4mm
Asbestos ID in materials	-	Chrysotile asbestos detected

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Moisture 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
Moisture	%	8	22	26	21	14

Moisture 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
Moisture	%	12	15	38	12	17

Moisture 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
Moisture	%	10	14	12	16	18

Moisture 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
Moisture	%	15	12	26	7	25

Moisture 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
Moisture	%	16	11	23	14	22

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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 ± 5°C.

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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%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56338-5	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	89	56338-5	112 || 111 || RPD: 1	56338-13	113%

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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%

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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%

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QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
p -Terphenyl-*d14*	%	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]
alpha-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%
beta-BHC	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	56338-12	<0.1 || <0.1	56338-23	116%
Heptachlor Epoxide	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
o,p-DDE	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	56338-12	<0.1 || <0.1	[NR]	[NR]
p,p-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%

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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]

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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
p -Terphenyl-*d14*	%	56338-11	121 || 125 || RPD: 3

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56338-22	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56338-22	<0.1 || <0.1
delta-BHC	mg/kg	56338-22	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56338-22	<0.1 || <0.1
o,p-DDE	mg/kg	56338-22	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56338-22	<0.1 || <0.1
trans-Chlordane	mg/kg	56338-22	<0.1 || <0.1
cis-Chlordane	mg/kg	56338-22	<0.1 || <0.1
trans-Nonachlor	mg/kg	56338-22	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56338-22	<0.1 || <0.1
o,p-DDT	mg/kg	56338-22	<0.1 || <0.1
beta-Endosulfan	mg/kg	56338-22	<0.1 || <0.1
p,p-DDD	mg/kg	56338-22	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56338-22	97 || 95 || RPD: 2

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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]

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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.

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

Asbestos analysed by Wonnie 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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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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

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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

PAHs in TCLP (USEPA 1311) Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402A-9 23B/2.5 Soil 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
p -Terphenyl-*d14*	%	112

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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

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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.

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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%

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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	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%

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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.

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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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SGS Australia Pty Ltd
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Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
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Member of the SGS Group

Inorganics Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402B-1 93/1.3-1.5 Soil 7/11/2007	56402B-4 97/2.0 Soil 30/10/2007	56402B-10 61A/1.9-2.1 Soil 2/11/2007	56402B-11 67/0.3-0.5 Soil 2/11/2007	56402B-18 133/0.2-0.3 Soil 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: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402B-20 137/0.2-0.3 Soil 6/11/2007	56402B-21 87/0.8-1.0 Soil 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

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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.

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QUALITY CONTROL Inorganics	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
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]

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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.

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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

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TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.05 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.05 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

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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
p -Terphenyl-*d14*	%	112	108	115	106	106

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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

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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

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PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.05 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.05 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

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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

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	102	106	101	103	106

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	101	105	109	95	100

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	125	111	113	104	105

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OC Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.05 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.05 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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	90	109	89	106	104

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
o,p-DDE	mg/kg	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1
p,p-DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
o,p-DDD	mg/kg	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1
p,p-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 *(Surrogate*	%	101	108

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OP 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
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: 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
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: 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
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: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56402-16 96/0.8-1.0 Soil 6/11/2007	56402-17 131/0.0-0.05 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.05 Soil 6/11/2007	56402-20 137/0.2-0.3 Soil 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

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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

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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

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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	56402-17 131/0.0-0.05 Soil 6/11/2007	56402-18 133/0.2-0.3 Soil 6/11/2007	56402-19 135/0.0-0.05 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

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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

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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

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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** **131/0.0-0.05** **Soil** **6/11/2007**	**56402-18** **133/0.2-0.3** **Soil** **6/11/2007**	**56402-19** **135/0.0-0.05** **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

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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

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

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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	131/0.0-0.05	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
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

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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	üÿ6À
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.

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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	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 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	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%
p -Terphenyl-*d* 14	%	0	SEO-030	129	56402-10	103 || 109 || RPD: 6	56402-2	96%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56402-7	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	99	56402-7	105 || 106 || RPD: 1	56402-8	90%

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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%

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QUALITY CONTROL **Total Phenolics in Soil**	**UNITS**	**PQL**	**METHOD**	**Blank**	**Duplicate Sm#**	**Duplicate** **Base + Duplicate + %RPD**	**Spike Sm#**	**Matrix Spike % Recovery** **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 C_6 - C_9 P&T	mg/kg	56402-20	<20 || <20	56402-21	85%
TRH C_{10} - C_{14}	mg/kg	56402-20	<20 || <20	[NR]	[NR]
TRH C_{15} - C_{28}	mg/kg	56402-20	<50 || <50	[NR]	[NR]
TRH C_{29} - C_{36}	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

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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
p -Terphenyl-*d14*	%	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
alpha-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
beta-BHC	mg/kg	56402-13	<0.1 || <0.1
delta-BHC	mg/kg	56402-13	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56402-13	<0.1 || <0.1
o,p-DDE	mg/kg	56402-13	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56402-13	<0.1 || <0.1
trans-Chlordane	mg/kg	56402-13	<0.1 || <0.1
cis-Chlordane	mg/kg	56402-13	<0.1 || <0.1
trans-Nonachlor	mg/kg	56402-13	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56402-13	<0.1 || <0.1
o,p-DDT	mg/kg	56402-13	<0.1 || <0.1
beta-Endosulfan	mg/kg	56402-13	<0.1 || <0.1
p,p-DDD	mg/kg	56402-13	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56402-13	113 || 110 || RPD: 3

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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%

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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		
p -Terphenyl-*d14*	%	56402-26	113 || 120 || RPD: 6		

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56402-22	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56402-22	<0.1 || <0.1
delta-BHC	mg/kg	56402-22	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56402-22	<0.1 || <0.1
o,p-DDE	mg/kg	56402-22	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56402-22	<0.1 || <0.1
trans-Chlordane	mg/kg	56402-22	<0.1 || <0.1
cis-Chlordane	mg/kg	56402-22	<0.1 || <0.1
trans-Nonachlor	mg/kg	56402-22	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56402-22	<0.1 || <0.1
o,p-DDT	mg/kg	56402-22	<0.1 || <0.1
beta-Endosulfan	mg/kg	56402-22	<0.1 || <0.1
p,p-DDD	mg/kg	56402-22	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56402-22	109 || 107 || RPD: 2

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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]

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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	56402-21	<0.5 || <0.5	56402-22	95%

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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 Wonnie 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.

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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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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

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

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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 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	130	80	<50
TRH C_{29} - C_{36}	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 C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	35	<20	49	<20	<20
TRH C_{15} - C_{28}	mg/kg	300	<50	270	<50	<50
TRH C_{29} - C_{36}	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 C_6 - C_9 P&T	mg/kg	<20	<20	<20	<20	<20
TRH C_{10} - C_{14}	mg/kg	41	<20	<20	<20	<20
TRH C_{15} - C_{28}	mg/kg	310	<50	<50	<50	77
TRH C_{29} - C_{36}	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

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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

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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
p -Terphenyl-*d14*	%	115	93	87	108	101

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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

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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

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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

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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

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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

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	111	106	99	107	110

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	108	100	111	112	118

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	100	109	111	110	110

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	112	113	113	111	112

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	109	105	108	109	105

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	112	109	102	115	107

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
o,p-DDE	mg/kg	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1
p,p-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 *(Surrogate*	%	118	113	109

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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Asbestos ID in materials		
Our Reference:	UNITS	56672-33
Your Reference	----------	144/FIBRO
Sample Type	----------	Fibro
Date Sampled		14/11/2007
Sample Description		Fibreboard fragment 100x60x5mm
Asbestos ID in materials	-	Chrysotile asbestos detected

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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

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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

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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 ± 5°C.

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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%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56672-1	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	98	56672-1	111 || 109 || RPD: 2	56672-2	89%

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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%

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QUALITY CONTROL Moisture	UNITS	LOR	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	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 PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery 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%
p -Terphenyl-*d14*	%	56672-16	100 || 88 || RPD: 13	56672-27	109%

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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]
alpha-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%
beta-BHC	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
delta-BHC	mg/kg	56672-11	<0.1 || <0.1	56672-22	116%
Heptachlor Epoxide	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
o,p-DDE	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	56672-11	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	56672-11	100 || 100 || RPD: 0	56672-22	106%

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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%

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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
p -Terphenyl-*d14*	%	56672-32	114 || 109 || RPD: 4

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56672-21	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56672-21	<0.1 || <0.1
delta-BHC	mg/kg	56672-21	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56672-21	<0.1 || <0.1
o,p-DDE	mg/kg	56672-21	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56672-21	<0.1 || <0.1
trans-Chlordane	mg/kg	56672-21	<0.1 || <0.1
cis-Chlordane	mg/kg	56672-21	<0.1 || <0.1
trans-Nonachlor	mg/kg	56672-21	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56672-21	<0.1 || <0.1
o,p-DDT	mg/kg	56672-21	<0.1 || <0.1
beta-Endosulfan	mg/kg	56672-21	<0.1 || <0.1
p,p-DDD	mg/kg	56672-21	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56672-21	109 || 108 || RPD: 1

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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]

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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
p -Terphenyl-*d14*	%	56672-26	115 || 110 || RPD: 4

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QUALITY CONTROL OC Pesticides in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
HCB	mg/kg	56672-31	<0.1 || <0.1
alpha-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
beta-BHC	mg/kg	56672-31	<0.1 || <0.1
delta-BHC	mg/kg	56672-31	<0.1 || <0.1
Heptachlor Epoxide	mg/kg	56672-31	<0.1 || <0.1
o,p-DDE	mg/kg	56672-31	<0.1 || <0.1
alpha-Endosulfan	mg/kg	56672-31	<0.1 || <0.1
trans-Chlordane	mg/kg	56672-31	<0.1 || <0.1
cis-Chlordane	mg/kg	56672-31	<0.1 || <0.1
trans-Nonachlor	mg/kg	56672-31	<0.1 || <0.1
p,p-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
o,p-DDD	mg/kg	56672-31	<0.1 || <0.1
o,p-DDT	mg/kg	56672-31	<0.1 || <0.1
beta-Endosulfan	mg/kg	56672-31	<0.1 || <0.1
p,p-DDD	mg/kg	56672-31	<0.1 || <0.1
p,p-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-xylene *(Surrogate*	%	56672-31	118 || 119 || RPD: 1

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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	lcs	96 || [N/T]

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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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

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SGS Australia Pty Ltd
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Member of the SGS Group

PAHs in TCLP (USEPA 1311) 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-26 R8 Soil 13/11/2007	56672A-31 143/0.8 Soil 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

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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

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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.

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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]

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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]

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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: 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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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.

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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

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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
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Member of the SGS Group

Metals in TCLP Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	56751A-2 77/0.3-0.5 Soil 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

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NATA accredited laboratory 2562 (4354).
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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.

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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	96 || [N/T]
Lead	mg/L	0.02	SEM-010	<0.020	[NT]	[NT]	LCS	99 || [N/T]

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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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

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SGS Australia Pty Ltd ABN 44 000 964 278 | Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia t (02) 8594 0400 f (02) 8594 0499 www.au.sgs.com
Member of the SGS Group

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

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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
p -Terphenyl-*d14*	%	101	102	91	101	87

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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

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	93	90	83	84	84

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
o,p-DDE	mg/kg	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1
p,p-DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
o,p-DDD	mg/kg	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1
p,p-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 *(Surrogate*	%	97	91

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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

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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

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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

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

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Asbestos ID in materials			
Our Reference:	UNITS	56751-8	56751-9
Your Reference	----------	77/0-0.1	80/0-0.01
Sample Type	----------	Fibre cement	Fibre cement
Date Sampled		30/10/2007	30/10/2007
Sample Description		Cemment sheet 80x70x6mm	Cemment sheet 100x80x6mm
Asbestos ID in materials	-	Crocidolite asbestos detected Amosite asbestos detected Chrysotile asbestos detected	Chrysotile asbestos detected Crocidolite asbestos detected

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Moisture 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
Moisture	%	12	4	3	9	8

Moisture 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
Moisture	%	23	12

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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.

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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%
p -Terphenyl-*d* 14	%	0	SEO-030	105	56751-4	101 || 104 || RPD: 3	LCS	111%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	56751-1	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	91	56751-1	93 || 94 || RPD: 1	56751-3	87%

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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]

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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]

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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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

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SGS Australia Pty Ltd
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Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
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www.au.sgs.com
Member of the SGS Group

TRH/BTEX 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
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

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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
p -Terphenyl-*d14*	%	106	97	115	124

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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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
p,p-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 *(Surrogate*	%	99	97	92	101

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OP 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
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

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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

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Acid Extractable Metals 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
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

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Moisture 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
Moisture	%	23	17	18	20

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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.

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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%
p -Terphenyl-*d* 14	%	0	SEO-030	97	[NT]	[NT]	LCS	103%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	[NT]	[NT]	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	95	[NT]	[NT]	LCS	95%

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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%

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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]

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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: 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.

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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

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SGS Australia Pty Ltd
ABN 44 000 964 278
Environmental Services Unit 16, 33 Maddox Street, Alexandria Australia
t (02) 8594 0400 f (02) 8594 0499
www.au.sgs.com
Member of the SGS Group

TRH/BTEX in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.05 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
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 Sample Type Date Sampled	UNITS ---------- ----------	57521-9 157/0.1 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

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PAHs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.05 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
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

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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
p -Terphenyl-*d14*	%	94

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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/0-0.05 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
alpha-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
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-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
o,p-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
cis-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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
o,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
o,p-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-Endosulfan	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
p,p-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*	%	117	104	107	111	105

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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
alpha-BHC	mg/kg	<0.1
gamma-BHC (Lindane)	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
Aldrin	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
o,p-DDE	mg/kg	<0.1
alpha-Endosulfan	mg/kg	<0.1
trans-Chlordane	mg/kg	<0.1
cis-Chlordane	mg/kg	<0.1
trans-Nonachlor	mg/kg	<0.1
p,p-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
o,p-DDD	mg/kg	<0.1
o,p-DDT	mg/kg	<0.1
beta-Endosulfan	mg/kg	<0.1
p,p-DDD	mg/kg	<0.1
p,p-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 *(Surrogate*	%	102

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OP Pesticides in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.05 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
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: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	57521-9 157/0.1 Soil 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

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PCBs in Soil Our Reference: Your Reference Sample Type Date Sampled	UNITS ---------- ----------	57521-1 130/0.1 Soil 19/12/2007	57521-2 147A/0-0.05 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

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Acid Extractable Metals in Soil						
Our Reference:	UNITS	57521-1	57521-2	57521-3	57521-5	57521-7
Your Reference	----------	130/0.1	147A/0-0.05	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
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:	UNITS	57521-9
Your Reference	----------	157/0.1
Sample Type	----------	Soil
Date Sampled		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

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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*

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Asbestos ID in materials				
Our Reference:	UNITS	57521-4	57521-6	57521-8
Your Reference	----------	149/Fibro	152/Fibro	153/Fibro
Sample Type	----------	Fibro	Fibro	Fibro
Date Sampled		19/12/2007	19/12/2007	19/12/2007
Sample Description		80x50x4 mmcement 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

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

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

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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.

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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%
p -Terphenyl-*d* 14	%	0	SEO-030	98	57521-5	104 || 105 || RPD: 1	LCS	97%

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QUALITY CONTROL OC Pesticides in Soil	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
HCB	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
alpha-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%
beta-BHC	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
delta-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]
o,p-DDE	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
alpha-Endosulfan	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
trans-Chlordane	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
cis-Chlordane	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
trans-Nonachlor	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
p,p-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%
o,p-DDD	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
o,p-DDT	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
beta-Endosulfan	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
p,p-DDD	mg/kg	0.1	SEO-005	<0.1	57521-1	<0.1 || <0.1	[NR]	[NR]
p,p-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-xylene *(Surrogate*	%	0	SEO-005	98	57521-1	117 || 116 || RPD: 1	LCS	103%

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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%

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

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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).
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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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.

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APPENDIX C

QA/QC

**QUALITY ASSURANCE/QUALITY CONTROL
FOR CONTAMINATION ASSESSMENT
MINMI**

Quality Assurance (QA) was maintained by:

- compliance with a Project Quality Plan written for the objectives of the study;
- using qualified engineers to undertake the field supervision and sampling;
- following the Douglas Partners Pty Ltd (DP) operating procedures for sampling, field testing and decontamination as presented in Table 1;
- using NATA registered laboratories for sample testing that generally utilise standard laboratory methods of the US EPA, the APHA and NSW EPA.

Table 1 - Field Procedures

Abbreviation	Procedure Name
FPM LOG	Logging
FPM DECONT	Decontamination of Personnel and Equipment
FPM ENVID	Sample Identification, Handling, Transport and Storage of Contaminated Samples
FPM PIDETC	Operation of Field Analysers
FPM ENVSAMP	Sampling of Contaminated Soils

(from DP Field Procedures Manual)

Quality Control (QC) of the laboratory programme was achieved by the following means:

- check replicate - a specific sample was split in the field, placed in separate containers and labelled with different sample numbers, and sent to the laboratory for analysis;
- method blanks - the laboratory ran reagent blanks to confirm the equipment and standards used were uncontaminated;
- laboratory duplicates - the laboratory split samples internally and conducted tests on separate extracts;
- laboratory spikes - samples were spiked by the laboratory with a known concentration of contaminants and subsequently tested for percent recovery.

DISCUSSION

A. Check Replicate

The Relative Percent Difference (RPD) between replicate results is used as a measure of laboratory reproducibility and is given by the following:

$$\text{RPD} = \frac{\text{ABS}(\text{Replicate result 1} - \text{Replicate result 2})}{(\text{Replicate result 1} + \text{Replicate result 2})/2} \text{ x } 100$$

The RPD can have a value between 0% and 200%. An RPD data quality objective of up to 50% is generally considered to be acceptable for organic analysis, and 35% for inorganics (i.e. Metals).

A summary of the results of the soil replicate QA/QC testing is provided in Table 2.

Table 2 - Results of Quality Control Analysis

Analyte		Pit 1/0.1	R4	RPD (%)	Pit 6/0.25	R5	RPD (%)	Pit 7/0.1	R1	RPD (%)	Pit 11/0.1	R2	RPD (%)	Pit 19/0.1	R8	RPD (%)
Metals	As	<PQL	14	N/A	13	10	26	21	20	5	4	5	22	15	16	6
	Cd	<PQL	0.7	N/A	0.5	0.4	22	1.9	1.8	5	0.3	0.4	29	0.8	0.9	12
	Cr	<PQL	7.7	N/A	14	13	7	12	14	15	3.3	4.8	37	9.9	9.1	8
	Cu	0.8	27	188	29	26	11	880	4400	133	130	260	67	31	33	6
	Pb	5	160	188	290	460	45	410	540	27	53	81	42	140	160	13
	Hg	0.18	0.18	0	0.09	0.07	25	0.14	0.11	24	<PQL	0.05	N/A	0.22	0.25	13
	Ni	<PQL	8.5	N/A	15	15	0	20	22	10	7.5	8.3	10	10	9.4	6
	Zn	6.9	210	187	120	120	0	860	880	2	110	130	17	170	200	16
TRH	C_6 - C_9	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{10} - C_{14}	<PQL	<PQL	N/A	<PQL	34	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	35	41	16
	C_{15} - C_{28}	<PQL	<PQL	N/A	<PQL	330	N/A	77	92	18	53	<PQL	N/A	300	310	3
	C_{29} - C_{36}	<PQL	<PQL	N/A	<PQL	420	N/A	330	250	28	240	<PQL	N/A	99	93	6
BTEX	Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Toluene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Ethyl Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Xylene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PAH	Total PAHs	<PQL	<PQL	N/A	1.81	0.78	80	1.98	0.18	167	0.1	0.3	100	9.17	15.5	51
	Benzo(a)pyrene	<PQL	<PQL	N/A	0.21	0.08	90	1.31	0.11	169	<PQL	<PQL	N/A	0.77	1.2	44
OCPs	Total OCPs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Aldrin + Dieldrin	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Chlordane	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	DDT	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Heptachlor	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
OPPs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PCBs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A

Results expressed in mg/kg on dry weight basis
PQL - Practical Quantitation Limit
N/A - Not Applicable

Table 2 (cont) - Results of Quality Control Analysis

Analyte		Pit 35/0.7	R3	RPD (%)	Pit 58/0.1-0.3	D111	RPD (%)	Pit 59/0-0.15	D109	RPD (%)	Pit 60/0.3-0.5	D106	RPD (%)	Pit 63/0.3-0.5	D112	RPD (%)
Metals	As	10	15	40	4	4	0	10	8	22	18	85	130	11	8	32
	Cd	0.4	0.7	55	0.3	0.3	0	3.9	0.3	171	0.4	0.3	29	0.1	0.1	0
	Cr	10	16	46	12	12	0	9.4	6.6	35	2.9	2.7	7	6.4	9.4	38
	Cu	5.7	6.4	12	4.7	5.9	23	27	14	63	18	14	25	19	26	31
	Pb	11	17	43	18	15	18	410	56	152	25	20	22	11	13	17
	Hg	<PQL	<PQL	N/A	<PQL	<PQL	N/A	0.08	0.11	32	0.27	0.57	71	0.07	0.05	33
	Ni	2	1.5	29	7.1	6.2	14	9.4	4	81	9.6	7	31	7.1	9	24
	Zn	28	24	15	30	33	10	1900	210	160	88	36	84	23	31	30
TRH	C_6 - C_9	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{10} - C_{14}	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	42	54	25	<PQL	<PQL	N/A
	C_{15} - C_{28}	<PQL	<PQL	N/A	<PQL	<PQL	N/A	170	180	6	320	380	17	<PQL	<PQL	N/A
	C_{29} - C_{36}	<PQL	<PQL	N/A	<PQL	77	N/A	57	97	52	120	150	22	<PQL	<PQL	N/A
BTEX	Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Toluene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Ethyl Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Xylene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PAH	Total PAHs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	3.05	17.7	141	3.93	2.66	39	<PQL	<PQL	N/A
	Benzo(a)pyrene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	0.15	1.7	168	0.13	0.06	74	<PQL	<PQL	N/A
OCPs	Total OCPs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Aldrin + Dieldrin	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Chlordane	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	DDT	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Heptachlor	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
OPPs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PCBs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A

Results expressed in mg/kg on dry weight basis
PQL - Practical Quantitation Limit
N/A - Not Applicable

Table 2 (cont) - Results of Quality Control Analysis

Analyte		Pit 88/0-0.05	D129	RPD (%)	Pit 92/0.3-0.5	D123	RPD (%)	Pit 104/0.3	R7	RPD (%)	Pit 115/0.2	R6	RPD (%)	Bore 97/2.0	BD4	RPD (%)
Metals	As	20	7	96	<PQL	4	N/A	6	5	18	5	3	50	4	4	0
	Cd	0.4	0.3	29	0.2	0.2	0	0.4	<PQL	N/A	<PQL	<PQL	N/A	0.3	0.4	29
	Cr	8	4.5	56	8.9	8	11	5.5	10	58	6.2	6	3	10	10	0
	Cu	15	8.2	59	27	26	4	9.3	14	40	3.3	2.7	20	29	31	7
	Pb	26	17	42	15	18	18	91	15	143	4	4	0	12	13	8
	Hg	<PQL	<PQL	N/A	0.06	0.05	18	0.09	<PQL	N/A	<PQL	<PQL	N/A	0.05	0.06	18
	Ni	5.2	4.4	17	16	20	22	3.6	14	118	2.4	2.3	4	31	40	25
	Zn	60	41	38	75	77	3	58	21	94	17	16	6	150	180	18
TRH	C_6 - C_9	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{10} - C_{14}	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{15} - C_{28}	<PQL	<PQL	N/A	<PQL	<PQL	N/A	89	130	37	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	C_{29} - C_{36}	<PQL	<PQL	N/A	<PQL	<PQL	N/A	120	160	29	<PQL	<PQL	N/A	<PQL	<PQL	N/A
BTEX	Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Toluene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Ethyl Benzene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Xylene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PAH	Total PAHs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	0.68	2.49	114	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Benzo(a)pyrene	<PQL	<PQL	N/A	<PQL	<PQL	N/A	0.08	0.19	81	<PQL	<PQL	N/A	<PQL	<PQL	N/A
OCPs	Total OCPs	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Aldrin + Dieldrin	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Chlordane	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	DDT	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
	Heptachlor	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
OPPs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A
PCBs		<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A	<PQL	<PQL	N/A

Results expressed in mg/kg on dry weight basis
PQL - Practical Quantitation Limit
N/A - Not Applicable

RPDs ranged from 0% to 188%, and generally within 0% to 50%. The high RPDs are considered to be due to the heterogeneity of the fill material (detailed sample descriptions contained in the test report sheets in Appendix A), and the results are considered to be within the acceptable limits.

B. Method Blanks

All method blanks returned results lower than the laboratory detection limit, therefore are acceptable.

C. Laboratory Replicates

The average RPD for individual contaminants generally ranged from 0% to 50%, with the exception of two RPD's of 67% and one PAH result (concentration difference of 0.1 mg/kg), and one RPD of 167% (heterogeneous fill material), which is considered to be within acceptable limits.

D. Laboratory Spikes

Recoveries in the order of 70% to 130% are generally considered to be acceptable. The average percent recovery for individual organic contaminants ranged from 62% to 138%, and was generally within the quality control objectives.

CONCLUSIONS

The accuracy and precision of the soil testing procedures, as inferred by the QA/QC data is generally considered to be of sufficient standard to allow the data reported to be used to interpret site contamination conditions.

5301-03

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663D DP Order No: 71303
DP Contact Person: WILL WRIGHT / LEON COLLINS
Prior Storage: esky (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	#Metals	PCB's	PAH's	OCP's	OPP's	Asbestos				TCLP	Notes
37/0.1	24.10.07	S	1	✓	✓	✓	✓	✓	✓	✓						
32/0.6	26.10.07		2	✓	✓	✓	✓	✓	✓	–						
35/0.7	" "		3	✓	✓	✓	✓	✓	✓	✓						
46/1.6	24.10.07		4	✓	✓	✓	✓	✓	✓	✓						
45/0.2	" "		5	✓	✓	✓	✓	✓	✓	✓						
42/1.2	" "		6	✓	✓	✓	✓	✓	✓	✓	✓					
44/0.5	" "		7	✓	✓	✓	✓	✓	✓	✓						
43/1.1	" "		8	✓	✓	✓	✓	✓	✓	✓						
40/0.2	" "		9	✓	✓	✓	✓	✓	✓	–						
49/0.1	" "		10	✓	✓	✓	✓	✓	✓	✓						
48/0-0.05	" "		11	✓	✓	✓	✓	✓	✓	✓						
41/2.0	25.10.07	↓	12	✓	✓	✓	✓	✓	✓	✓						
PQL (S)		mg/kg														
PQL (W)		mg/L														

SGS
Received 2/11/07
By
Time 8:30 am/pm
Samples intact (yes) no
Ice/Cooler Pack (yes) no
Comments SE238

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: 1/11/07
Total number of samples in container: 48
Results required by:
TAT (Circle): Standard 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 2/11/07 Lab Ref: SE238

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663D DP Order No: 71303
DP Contact Person: WILL WRIGHT / LEON COLLINS
Prior Storage: esky (fridge) shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	#Metals	PCB's	PAH's	OCP's	OPP's	Asbestos				TCLP	Notes
15/0.2	25.10.07	S	13	✓	✓	✓	✓	✓	✓	✓						
7/0.1	" "		14	✓	✓	✓	✓	✓	✓	✓						
11/0.1	" "		15	✓	✓	✓	✓	✓	✓	✓						
11/0.7	" "		16	✓	✓	✓	✓	✓	✓	✓						
9/0.1	" "		17	✓	✓	✓	✓	✓	✓	✓						
8/0.1	" "		18	✓	✓	✓	✓	✓	✓	✓						
→ 35/0.1	26.10.07		19	✓	✓	✓	✓	✓	✓	✓						
R1	25.10.07		20	✓	✓	✓	✓	✓	✓	✓						
R2	" "		21	✓	✓	✓	✓	✓	✓	✓						
R3	26.10.07		22	✓	✓	✓	✓	✓	✓	✓						
R4	29.10.07		23	✓	✓	✓	✓	✓	✓	✓						
R5	30.10.07	↓	24	✓	✓	✓	✓	✓	✓	✓						
PQL (S)		mg/kg														
PQL (W)		mg/L														

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: 1/11/07
Total number of samples in container: 48
Results required by:
TAT (Circle): Standard 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 2/11/07 Lab Ref: 26238

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

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CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663D DP Order No: 71303
DP Contact Person: WILL WRIGHT / LEON COLLINS
Prior Storage: esky (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	#Metals	PCB's	PAH's	OCP's	OPP's	Asbestos				TCLP	Notes
39/1.6	26.10.07	S	20	✓	✓	✓	✓	✓	✓	✓						
47/0.4	25.10.07	↓	26	✓	✓	✓	✓	✓	✓	✓						
47/2.3	" "		27	✓	✓	✓	✓	✓	✓	✓						
38/1.9	26.10.07		28	✓	✓	✓	✓	✓	✓	✓						
29/0.1	26.10.07		29	✓	✓	✓	✓	✓	✓	✓						
31/0.2	30.10.07		30	✓	✓	✓	✓	✓	✓	✓						
30/0.9	" "		31	✓	✓	✓	✓	✓	✓	✓						
28/1.6	" "		32	✓	✓	✓	✓	✓	✓	✓						
25/0.3	" "		33	✓	✓	✓	✓	✓	✓	✓						
33/0.2	" "		34	✓	✓	✓	✓	✓	✓	✓	✓					
27/0.5	31.10.07		35	✓	✓	✓	✓	✓	✓	✓						
23/0.1	31.10.07	↓	36	✓	✓	✓	✓	✓	✓	✓	✓					
PQL (S)		mg/kg														
PQL (W)		mg/L														

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): (As Cd Cr Cu Pb Zn Hg Ni) Other
Date relinquished: 1/11/07
Total number of samples in container: 48
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 2/11/07 Lab Ref: 5238

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663D DP Order No: 71303
DP Contact Person: WILL WRIGHT / LEON COLLINS
Prior Storage: esky (fridge) shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TRH	BTEX	#Metals	PCB's	PAH's	OCP's	OPP's	Asbestos				TCLP	Notes
23A/1.5	31.10.07	S	37	✓	✓	✓	✓	✓	✓	✓						
20/0.2	" "		38	✓	✓	✓	✓	✓	✓	✓						
21/0.3	" "		39	✓	✓	✓	✓	✓	✓	✓	✓					
1/0.1	29.10.07		40	✓	✓	✓	✓	✓	✓	✓	✓					
4/0.5	" "		41	✓	✓	✓	✓	✓	✓	✓						
2/1.6	" "		42	✓	✓	✓	✓	✓	✓	✓						
4A/1.1	" "		43	✓	✓	✓	✓	✓	✓	✓						
13/0.1	" "		44	✓	✓	✓	✓	✓	✓	✓	✓					
3/0.2	30.10.07		45	✓	✓	✓	✓	✓	✓	✓						
6/0.25	" "		46	✓	✓	✓	✓	✓	✓	✓						
6/0.8	" "		47	✓	✓	✓	✓	✓	✓	✓						
5/0.8	" "	↓	48	✓	✓	✓	✓	✓	✓	✓						
PQL (S)		mg/kg														
PQL (W)		mg/L														

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): (As Cd Cr Cu Pb Zn Hg Ni) Other
Date relinquished: 1/11/07
Total number of samples in container: 48
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 2/11/07 Lab Ref: 26238

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

22/11 2007 13:14 FAX 61 2 49609601

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CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663C DP Order No: 71365
DP Contact Person: Will Wright / Leon Collins
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	TCLP Analytes															Notes
				As	Cd	Cr	Pb	Hg	Ni	PAHs								TCLP	
R1	25/10/07	S	20	✓		✓	✓		✓	✓									SGS Report
R5	30/10/07		24	✓		✓	✓		✓										#56238
Pit 9/0.1	25/10/07		17	✓	✓	✓	✓		✓	✓									
15/0.2	25/10/07		13				✓		✓	✓									
23A/1.5	31/10/07		37				✓		✓										
67/0.3-0.5	2/11/07		11			✓	✓		✓										SGS #56402
59/0-0.15	31/10/07		8		✓		✓		✓										SGS Report
75/1.1-1.3	2/11/07		21	✓			✓	✓	✓										#56338
D109	31/10/07		23							✓									
23B/2.5	1/11/07		9				✓			✓									SGS #56402
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished:
Total number of samples in container:
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature: Emily
Date: 22/11/07 Lab Ref: 56238A

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

Date Due 29/11/07
TAT: Normal

001

Douglas Partners
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CHAIN OF CUSTODY DESPATCH SHEET

Project Name: Minmi
Project No: 39663.6 DP Order No: 71303
DP Contact Person: Will Wright / Leon Collins
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia P/L
Unit 16/33 Maddox St
Alexandria NSW 2015
Ph: 02 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: pH	Cl^-	SO_4												TCLP	Notes
2 32/0.6	26.10.07	S	SE238 -02	✓	✓	✓													Lab has
3 35/0.7	"		SE238 -3	✓	✓	✓													all samples
12 41/2.0	25.10.07		" -12	✓	✓	✓													from previous
27 47/2.3	"		" -27	✓	✓	✓			SGS Ref: SE238 B.										Minmi work.
32 28/1.6	30.10.07		" -32	✓	✓	✓			Date Due: 7/12/07										
29 29/0.1	26.10.07		" -29	✓	✓	✓			TAT: NORMAL										
16 11/0.7	25.10.07		" -16	✓	✓	✓													
28 38/1.9	26.10.07		" -28	✓	✓	✓													
42 2/1.6	29.10.07		" -42	✓	✓	✓													
43 4A/1.1	" "		" -43	✓	✓	✓													
64/1.3-1.5	2.11.07		?	✓	✓	✓													
72/1.3-1.5	2.11.07	✓	?	✓	✓	✓													
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: ALL SAMPLES AT SGS
Total number of samples in container: 20
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 30/11 Lab Ref: SE238B

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

2007 TO 7 ADAM0001 TO 40:01 2007 TO 7

22/11 2007 13:14 FAX 61 2 49609601

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: MINMI
Project No: 39663C DP Order No: 71365
DP Contact Person: Will Wright / Leon Collins
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia PTY LTD
Unit 16/33 Maddox Street
ALEXANDRIA NSW 2015
Ph: (02) 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: TCLP															Notes
				As	Cd	Cr	Pb	Hg	Ni	PAHs								TCLP	
R1	25/10/07	S	20	✓		✓	✓		✓										SGS Report
R5	30/10/07	↓	24	✓		✓	✓		✓										#56238
Pit 9/0.1	25/10/07		17	✓	✓	✓	✓		✓										↓
15/0.2	25/10/07		13							✓									
23A/1.5	31/10/07		37				✓		✓										SGS #56402
67/0.3-0.5	2/11/07		11			✓	✓		✓										SGS Report
59/0-0.15	31/10/07		8		✓		✓		✓										#56338
75/1.1-1.3	2/11/07		21	✓			✓	✓	✓										↓
D109	31/10/07	↓	23							✓									SGS #56402
23B/2.5	1/11/07	↓	9				✓			✓									
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished:
Total number of samples in container:
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 22/11/07 Lab Ref: 56338A

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

Date Due : 29/11/07
TAT : Normal

001

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: Miami
Project No: 39663.6 DP Order No: 71303
DP Contact Person: Will Wright / Leon Collins
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia P/L
Unit 16/33 Maddox St
Alexandria NSW 2015
Ph: 02 8594040.0
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: pH	Cl⁻	SO_4												TCLP	Notes
32/0.6	26.10.07	S	56238-02	✓	✓	✓													Lab has
35/0.7	"		56238-3	✓	✓	✓													all samples
41/2.0	25.10.07		"-12	✓	✓	✓													from previous
47/2.3	"		"-27	✓	✓	✓													Miami work.
28/1.6	30.10.07		"-32	✓	✓	✓													
29/0.1	26.10.07		"-29	✓	✓	✓													
11/0.7	25.10.07		"-16	✓	✓	✓													
38/1.9	26.10.07		"-28	✓	✓	✓													
2/1.6	29.10.07		"-42	✓	✓	✓													
4A/1.1	" "		"-43	✓	✓	✓													
13 64/1.3-1.5	2.11.07		?	✓	✓	✓	56338												
18 72/1.3-1.5	2.11.07	✓	?	✓	✓	✓	56338												
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

SGS Ref: 56338 B
Date Due: 7/11/07
TAT: NORMAL

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: ALL SAMPLES AT SGS
Total number of samples in container: 20
Results required by:
TAT (Circle): (Standard) 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 3/11/07 Lab Ref: 56338B

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

002
30/11 2007 13:43 FAX 61 2 49609601

Douglas Partners
Geotechnics · Environment · Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: Minmi
Project No: 39663c DP Order No:
DP Contact Person: Will Wright / Leon Collins
Prior Storage: esky / (fridge) / shelved (circle)

To: SGS Australia
Unit 16/33 Maddox St
Alexandria NSW 2015
Ph: 02 8594 0400
Attn: Angela

Sample ID	Date Sampled	Sample Type S-soil W-water	Lab ID	Analytes: pH	Cl	SO_4^{2-}												TCLP	Notes
74/0.8-1.0	2.11.07	S	?	✓	✓	✓	56338												
97/2.0	30.10.07		56402-4	✓	✓	✓													
61A/19-21	2.11.07		"-10	✓	✓	✓													
67/0.3-0.5	"		"-11	✓	✓	✓													
133/0.2-0.3	6.11.07		"-18	✓	✓	✓													
137/0.2-0.3	"		"-20	✓	✓	✓													
87/0.8-1.0	7.11.07		"-21	✓	✓	✓													
93/1.3-1.5	"	↓	"-01	✓	✓	✓													
PQL (S)		mg/kg																	
PQL (W)		mg/L																	

PQL = practical quantitation limit *As per Laboratory Method (Detection Limit)
# - Metals to Analyse (Please circle): As Cd Cr Cu Pb Zn Hg Ni Other
Date relinquished: ALL SAMPLES AT SGS
Total number of samples in container: 20
Results required by:
TAT (Circle): Standard 72 hr 48hr 24hr

SAMPLES RECEIVED
Please sign and date to acknowledge receipt of samples and return by fax
Signature:
Date: 30/11 Lab Ref: 56338 B

Send results to:
Douglas Partners Pty Ltd
Address:
BOX 324 Hunter Region Mail Centre
NSW 2310
Fax: (02) 4960 9601

003
30/11 2007 13:43 FAX 61 2 49609601