

Metals in Soil by ICP-OES Our Reference:	UNITS	SE85671-2 7	SE85671-3 1	SE85671-3 5	SE85671-4 1
Your Reference	-----	BH6 (1.1-1.2)	TPB1 (0.2-0.4)	TPB2 (0.1-0.2)	DUP1
Sample Matrix	-----	Soil	Soil	Soil	Soil
Date Sampled		17/02/2011	18/02/2011	18/02/2011	15/02/2011
Date Extracted (Metals)		25/02/2011	25/02/2011	25/02/2011	25/02/2011
Date Analysed (Metals)		25/02/2011	25/02/2011	25/02/2011	25/02/2011
Arsenic	mg/kg	4	5	3	<3
Cadmium	mg/kg	<0.3	<0.3	0.3	<0.3
Chromium	mg/kg	20	15	19	13
Copper	mg/kg	33	18	40	65
Lead	mg/kg	18	15	18	5
Nickel	mg/kg	29	10	56	78
Zinc	mg/kg	60	34	59	46



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Mercury Cold Vapor/Hg Analyser						
Our Reference:	UNITS	SE85671-1	SE85671-2	SE85671-4	SE85671-6	SE85671-1 2
Your Reference	-----	BH1 (0.1-0.5)	BH1 (0.5-0.95)	BH2 (0.1-0.3)	BH2 (0.5-0.7)	BH3 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		15/02/2011	15/02/2011	15/02/2011	15/02/2011	16/02/2011
Date Extracted (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011	25/02/2011
Date Analysed (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011	25/02/2011
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05

Mercury Cold Vapor/Hg Analyser						
Our Reference:	UNITS	SE85671-1 4	SE85671-1 8	SE85671-2 0	SE85671-2 2	SE85671-2 6
Your Reference	-----	BH3 (0.5-0.75)	BH5 (0.3-0.4)	BH5 (1.3-1.4)	BH4 (0.1-0.3)	BH6 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		16/02/2011	17/02/2011	17/02/2011	18/02/2011	17/02/2011
Date Extracted (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011	25/02/2011
Date Analysed (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011	25/02/2011
Mercury	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05

Mercury Cold Vapor/Hg Analyser					
Our Reference:	UNITS	SE85671-2 7	SE85671-3 1	SE85671-3 5	SE85671-4 1
Your Reference	-----	BH6 (1.1-1.2)	TPB1 (0.2-0.4)	TPB2 (0.1-0.2)	DUP1
Sample Matrix	-----	Soil	Soil	Soil	Soil
Date Sampled		17/02/2011	18/02/2011	18/02/2011	15/02/2011
Date Extracted (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011
Date Analysed (Mercury)		25/02/2011	25/02/2011	25/02/2011	25/02/2011
Mercury	mg/kg	0.07	<0.05	<0.05	<0.05

Asbestos ID in soil Our Reference:	UNITS	SE85671-1	SE85671-2	SE85671-4	SE85671-6	SE85671-1 2
Your Reference	-----	BH1 (0.1-0.5)	BH1 (0.5-0.95)	BH2 (0.1-0.3)	BH2 (0.5-0.7)	BH3 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		15/02/2011	15/02/2011	15/02/2011	15/02/2011	16/02/2011
Date Analysed		1/03/2011	1/03/2011	1/03/2011	1/03/2011	1/03/2011
Sample Description		70g Soil,rocks	35g Clay,soil	58g Soil,rocks	66g Soil,rocks	96g Soil,rocks
Asbestos ID in soil	-	No asbestos detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected

Asbestos ID in soil Our Reference:	UNITS	SE85671-1 4	SE85671-1 8	SE85671-2 0	SE85671-2 2	SE85671-2 6
Your Reference	-----	BH3 (0.5-0.75)	BH5 (0.3-0.4)	BH5 (1.3-1.4)	BH4 (0.1-0.3)	BH6 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		16/02/2011	17/02/2011	17/02/2011	18/02/2011	17/02/2011
Date Analysed		1/03/2011	1/03/2011	1/03/2011	1/03/2011	1/03/2011
Sample Description		21g Soil,rocks	73g Soil,rocks	75g Soil,rocks	53g Soil,rocks	58g Soil,rocks
Asbestos ID in soil	-	No asbestos detected Organic fibres detected	No asbestos detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected

Asbestos ID in soil				
Our Reference:	UNITS	SE85671-2	SE85671-3	SE85671-3
		7	1	5
Your Reference	-----	BH6	TPB1	TPB2
		(1.1-1.2)	(0.2-0.4)	(0.1-0.2)
Sample Matrix	-----	Soil	Soil	Soil
Date Sampled		17/02/2011	18/02/2011	18/02/2011
Date Analysed		1/03/2011	1/03/2011	1/03/2011
Sample Description		60g Soil,rocks	50g Soil,clay	158g Soil,rocks
Asbestos ID in soil	-	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected



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BTEX in Water (µg/L)				
Our Reference:	UNITS	SE85671-3	SE85671-3	SE85671-4
		8	9	0
Your Reference	-----	WB1	TB1	TS1
Sample Matrix	-----	Water	Water	Water
Date Sampled		15/02/2011	18/02/2011	18/02/2011
Date Extracted (BTEX)		24/02/2011	24/02/2011	24/02/2011
Date Analysed (BTEX)		24/02/2011	24/02/2011	24/02/2011
Benzene	µg/L	<0.5	<0.5	99%
Toluene	µg/L	<0.5	<0.5	98%
Ethylbenzene	µg/L	<0.5	<0.5	96%
Total Xylenes	µg/L	<1.5	<1.5	97%
Surrogate	%	101	107	113



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TRH in water with C6-C9 by P/T Our Reference: Your Reference Sample Matrix Date Sampled	UNITS ----- -----	SE85671-3 8 WB1 Water 15/02/2011
Date Extracted (TRH C6-C9 PT)		23/02/2011
Date Analysed (TRH C6-C9 PT)		24/02/2011
TRH C ₆ - C ₉ P&T in µg/L	µg/L	<40
Date Extracted (TRH C10-C36)		23/02/2011
Date Analysed (TRH C10-C36)		24/02/2011
TRH C ₁₀ - C ₁₄	µg/L	<100
TRH C ₁₅ - C ₂₈	µg/L	<200
TRH C ₂₉ - C ₃₆	µg/L	<200



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PAHs in Water Our Reference:	UNITS	SE85671-3 8
Your Reference	-----	WB1
Sample Matrix	-----	Water
Date Sampled		15/02/2011
Date Extracted		23/02/2011
Date Analysed		25/02/2011
Naphthalene	µg/L	<0.50
Acenaphthylene	µg/L	<0.50
Acenaphthene	µg/L	<0.50
Fluorene	µg/L	<0.50
Phenanthrene	µg/L	<0.50
Anthracene	µg/L	<0.50
Fluoranthene	µg/L	<0.50
Pyrene	µg/L	<0.50
Benzo[a]anthracene	µg/L	<0.50
Chrysene	µg/L	<0.50
Benzo[b]fluoranthene	µg/L	<0.50
Benzo[k]fluoranthene	µg/L	<0.50
Benzo[a]pyrene	µg/L	<0.50
Indeno[123-cd]pyrene	µg/L	<0.50
Dibenzo[ah]anthracene	µg/L	<0.50
Benzo[ghi]perylene	µg/L	<0.50
Total PAHs	µg/L	<8
Nitrobenzene-d5	%	84
2-Fluorobiphenyl	%	86
p -Terphenyl-d14	%	72



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OC Pesticides in Water Our Reference: Your Reference Sample Matrix Date Sampled	UNITS ----- -----	SE85671-3 8 WB1 Water 15/02/2011
Date Extracted		25/02/2011
Date Analysed		27/02/2011
HCB	µg/L	<0.2
<i>alpha</i> -BHC	µg/L	<0.2
<i>gamma</i> -BHC(Lindane)	µg/L	<0.2
Heptachlor	µg/L	<0.2
Aldrin	µg/L	<0.2
<i>beta</i> -BHC	µg/L	<0.2
<i>delta</i> -BHC	µg/L	<0.2
Heptachlor Epoxide	µg/L	<0.2
<i>o,p</i> -DDE	µg/L	<0.2
<i>alpha</i> -Endosulfan	µg/L	<0.2
<i>trans</i> -Chlordane	µg/L	<0.2
<i>cis</i> -Chlordane	µg/L	<0.2
<i>trans</i> -Nonachlor	µg/L	<0.2
<i>p,p</i> -DDE	µg/L	<0.2
Dieldrin	µg/L	<0.2
Endrin	µg/L	<0.2
<i>o,p</i> -DDD	µg/L	<0.2
<i>o,p</i> -DDT	µg/L	<0.2
<i>beta</i> -Endosulfan	µg/L	<0.2
<i>p,p</i> -DDD	µg/L	<0.2
<i>p,p</i> -DDT	µg/L	<0.2
Endosulfan Sulphate	µg/L	<0.2
Endrin Aldehyde	µg/L	<0.2
Methoxychlor	µg/L	<0.2
Endrin Ketone	µg/L	<0.2
2,4,5,6-Tetrachloro-m-xylene (<i>Surrogate</i>)	%	96

PCBs in Water Our Reference: Your Reference Sample Matrix Date Sampled	UNITS ----- -----	SE85671-3 8 WB1 Water 15/02/2011
Date Extracted (PCB's)		25/02/2011
Date Analysed (PCB's)		27/02/2011
Arochlor 1016	µg/L	<10
Arochlor 1221	µg/L	<10
Arochlor 1232	µg/L	<10
Arochlor 1242	µg/L	<10
Arochlor 1248	µg/L	<10
Arochlor 1254	µg/L	<10
Arochlor 1260	µg/L	<10
Arochlor 1262	µg/L	<10
Arochlor 1268	µg/L	<10
Total Positive PCB	µg/L	<90
PCB_Surrogate 1	%	96



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Trace HM (ICP-MS)-Dissolved Our Reference:	UNITS	SE85671-3 8
Your Reference	-----	WB1
Sample Matrix	-----	Water
Date Sampled		15/02/2011
Date Extracted (Metals-ICPMS)		25/02/2011
Date Analysed (Metals-ICPMS)		25/02/2011
Arsenic	µg/L	<1
Cadmium	µg/L	<0.1
Chromium	µg/L	<1
Copper	µg/L	<1
Lead	µg/L	<1
Nickel	µg/L	<1
Zinc	µg/L	51

Mercury Cold Vapor/Hg Analyser		
Our Reference:	UNITS	SE85671-3
Your Reference	-----	8
Sample Matrix	-----	WB1
Date Sampled		Water
		15/02/2011
Date Extracted (Mercury)		25/02/2011
Date Analysed (Mercury)		25/02/2011
Mercury (Dissolved)	mg/L	<0.0001



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Moisture						
Our Reference:	UNITS	SE85671-1	SE85671-2	SE85671-4	SE85671-6	SE85671-1 2
Your Reference	-----	BH1 (0.1-0.5)	BH1 (0.5-0.95)	BH2 (0.1-0.3)	BH2 (0.5-0.7)	BH3 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		15/02/2011	15/02/2011	15/02/2011	15/02/2011	16/02/2011
Date Analysed (moisture)		24/02/2011	24/02/2011	24/02/2011	24/02/2011	24/02/2011
Moisture	%	3	17	3	10	7

Moisture						
Our Reference:	UNITS	SE85671-1 4	SE85671-1 8	SE85671-2 0	SE85671-2 2	SE85671-2 6
Your Reference	-----	BH3 (0.5-0.75)	BH5 (0.3-0.4)	BH5 (1.3-1.4)	BH4 (0.1-0.3)	BH6 (0.1-0.3)
Sample Matrix	-----	Soil	Soil	Soil	Soil	Soil
Date Sampled		16/02/2011	17/02/2011	17/02/2011	18/02/2011	17/02/2011
Date Analysed (moisture)		24/02/2011	24/02/2011	24/02/2011	24/02/2011	24/02/2011
Moisture	%	24	8	11	11	11

Moisture					
Our Reference:	UNITS	SE85671-2 7	SE85671-3 1	SE85671-3 5	SE85671-4 1
Your Reference	-----	BH6 (1.1-1.2)	TPB1 (0.2-0.4)	TPB2 (0.1-0.2)	DUP1
Sample Matrix	-----	Soil	Soil	Soil	Soil
Date Sampled		17/02/2011	18/02/2011	18/02/2011	15/02/2011
Date Analysed (moisture)		24/02/2011	24/02/2011	24/02/2011	24/02/2011
Moisture	%	13	15	6	3



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Method ID	Methodology Summary
SEO-018	BTEX / C6-C9 Hydrocarbons - Soil samples are extracted with methanol, purged and concentrated by a purge and trap apparatus, and then analysed using GC/MS technique. Water samples undergo the same analysis without the extraction step. Based on USEPA 5030B and 8260B.
SEO-020	Total Recoverable Hydrocarbons - determined by solvent extraction with dichloromethane / acetone for soils and dichloromethane for waters, followed by instrumentation analysis using GC/FID. Where applicable Solid Phase Extraction Manifold technique is used for aliphatic / aromatic fractionation.
SEO-030	Polynuclear Aromatic Hydrocarbons - determined by solvent extraction with dichloromethane / acetone for soils and dichloromethane for waters, followed by instrumentation analysis using GC/MS SIM mode.
SEO-005	OC/OP/PCB - Determination of a suite of Organchlorine Pesticides, Chlorinated Organo-phosphorus Pesticides and Polychlorinated Biphenyls (PCB's) by liquid-liquid extraction using dichloromethane for waters, or mechanical extraction using acetone / hexane for soils, followed by instrumentation analysis using GC/ECD. Based on USEPA 8081/8082.
SEM-010	Determination of elements by ICP-OES following appropriate sample preparation / digestion process. Based on USEPA 6010C / APHA 21st Edition, 3120B.
SEM-005	Mercury - determined by Cold-Vapour AAS following appropriate sample preparation or digestion process. Based on APHA 21st Edition, 3112B.
AN602	Analysed using in house method AN602 - Qualitative identification of Asbestos Fibres, Synthetic Mineral Fibres and Organic Fibres in bulk samples (including building materials and soils) using Polarised Light Microscopy and Dispersion Staining Techniques. Our NATA Accreditation does not currently cover the identification of Synthetic Mineral Fibres and Organic Fibres, however, according to new NATA requirements, the reporting of these fibres is compulsory if detected.
AN318	Determination of elements at trace level in waters by ICP-MS technique, in accordance with USEPA 6020A.
AN002	Preparation of soils, sediments and sludges undergo analysis by either air drying, compositing, subsampling and 1:5 soil water extraction where required. Moisture content is determined by drying the sample at 105 ± 5°C.

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
BTEX in Soil								
Date Extracted (BTEX)				24/02/11	[NT]	[NT]	SE85671-35	24/02/11
Date Analysed (BTEX)				26/02/11	[NT]	[NT]	SE85671-35	26/02/11
Benzene	mg/kg	0.1	SEO-018	<0.1	[NT]	[NT]	SE85671-35	91%
Toluene	mg/kg	0.1	SEO-018	<0.1	[NT]	[NT]	SE85671-35	90%
Ethylbenzene	mg/kg	0.1	SEO-018	<0.1	[NT]	[NT]	SE85671-35	88%
Total Xylenes	mg/kg	0.3	SEO-018	<0.3	[NT]	[NT]	SE85671-35	92%
BTEX Surrogate (%)	%	0	SEO-018	114	[NT]	[NT]	SE85671-35	103%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH in soil with C6-C9 by P/T								
Date Extracted (TRH C6-C9 PT)				24/02/11	SE85671-4	24/02/2011 24/02/2011	SE85671-35	24/02/11
Date Analysed (TRH C6-C9 PT)				26/02/11	SE85671-4	26/02/2011 26/02/2011	SE85671-35	26/02/11
TRH C6 - C9 P&T	mg/kg	20	SEO-018	<20	SE85671-4	<20 [N/T]	SE85671-35	101%
Date Extracted (TRH C10-C36)				25/02/11	SE85671-4	25/02/2011 25/02/2011	[NR]	[NR]
Date Analysed (TRH C10-C36)				25/02/11	SE85671-4	25/02/2011 25/02/2011	[NR]	[NR]
TRH C10 - C14	mg/kg	20	SEO-020	<20	SE85671-4	<20 <20	[NR]	[NR]
TRH C15 - C28	mg/kg	50	SEO-020	<50	SE85671-4	<50 <50	[NR]	[NR]
TRH C29 - C36	mg/kg	50	SEO-020	<50	SE85671-4	<50 <50	[NR]	[NR]



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PAHs in Soil								
Date Extracted				25/02/11	SE85671-4	25/02/2011 25/02/2011	LCS	25/02/11
Date Analysed				25/02/11	SE85671-4	25/02/2011 25/02/2011	LCS	25/02/11
Naphthalene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	94%
Acenaphthylene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	80%
Acenaphthene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	90%
Fluorene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Phenanthrene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	79%
Anthracene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	87%
Fluoranthene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	84%
Pyrene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	84%
Benzo[a]anthracene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Chrysene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Benzo[b]fluoranthene	mg/kg	0.1	SEO-030	<0.1	SE85671-4	<0.1 <0.1	[NR]	[NR]
Benzo[k]fluoranthene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Benzo[a]pyrene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	LCS	84%
Indeno[123-cd]pyrene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Dibenzo[ah]anthracene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Benzo[ghi]perylene	mg/kg	0.1	SEO-030	<0.10	SE85671-4	<0.10 <0.10	[NR]	[NR]
Total PAHs (sum)	mg/kg	1.6	SEO-030	<2	SE85671-4	<2 <2	[NR]	[NR]
Nitrobenzene-d5	%	0	SEO-030	92	SE85671-4	91 96 RPD: 5	LCS	95%
2-Fluorobiphenyl	%	0	SEO-030	102	SE85671-4	99 105 RPD: 6	LCS	102%
p-Terphenyl-d14	%	0	SEO-030	79	SE85671-4	77 76 RPD: 1	LCS	77%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
Date Extracted				25/02/2011	SE85671-1 4	25/02/2011 25/02/2011	SE85671-1 8	25/02/2011
Date Analysed				27/02/2011	SE85671-1 4	27/02/2011 27/02/2011	SE85671-1 8	27/02/2011
HCB	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -BHC	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
gamma-BHC (Lindane)	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Heptachlor	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	128%
Aldrin	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	104%
<i>beta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>delta</i> -BHC	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	118%
Heptachlor Epoxide	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>alpha</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Chlordane (<i>gamma</i>)	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>cis</i> -Chlordane (<i>alpha</i>)	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>trans</i> -Nonachlor	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDE	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Dieldrin	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	93%
Endrin	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	102%
<i>o,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>o,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>beta</i> -Endosulfan	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDD	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
<i>p,p</i> -DDT	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-1 8	93%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Soil								
Endosulfan Sulphate	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Methoxychlor	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Endrin Ketone	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
2,4,5,6-Tetrachloro-m-xy lene (Surrogate)	%	0	SEO-005	95	SE85671-1 4	124 118 RPD: 5	SE85671-1 8	113%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PCBs in Soil								
Date Extracted				25/02/2011	SE85671-1 4	25/02/2011 25/02/2011	SE85671-3 5	25/02/2011
Date Analysed				27/02/2011	SE85671-1 4	27/02/2011 27/02/2011	SE85671-3 5	27/02/2011
Arochlor 1016	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1221	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1260	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	SE85671-3 5	108%
Arochlor 1262	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Arochlor 1268	mg/kg	0.1	SEO-005	<0.1	SE85671-1 4	<0.1 <0.1	[NR]	[NR]
Total Positive PCB	mg/kg	0.9	SEO-005	<0.90	SE85671-1 4	<0.90 <0.90	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	95	SE85671-1 4	124 118 RPD: 5	SE85671-3 5	116%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
Metals in Soil by ICP-OES						Base + Duplicate + %RPD		Duplicate + %RPD
Date Extracted (Metals)				25/02/2011	SE85671-1	25/02/2011 25/02/2011	SE85671-2	25/02/2011
Date Analysed (Metals)				25/02/2011	SE85671-1	25/02/2011 25/02/2011	SE85671-2	25/02/2011
Arsenic	mg/kg	3	SEM-010	<3	SE85671-1	<3 <3	SE85671-2	94%
Cadmium	mg/kg	0.3	SEM-010	<0.3	SE85671-1	0.3 <0.3	SE85671-2	92%
Chromium	mg/kg	0.3	SEM-010	<0.3	SE85671-1	13 12 RPD: 8	SE85671-2	96%
Copper	mg/kg	0.5	SEM-010	<0.5	SE85671-1	55 53 RPD: 4	SE85671-2	100%
Lead	mg/kg	1	SEM-010	<1	SE85671-1	4 4 RPD: 0	SE85671-2	91%
Nickel	mg/kg	0.5	SEM-010	<0.5	SE85671-1	89 88 RPD: 1	SE85671-2	96%
Zinc	mg/kg	0.5	SEM-010	<0.5	SE85671-1	44 44 RPD: 0	SE85671-2	99%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
Mercury Cold Vapor/Hg Analyser						Base + Duplicate + %RPD		Duplicate + %RPD
Date Extracted (Mercury)				25/02/2011	SE85671-1	25/02/2011 25/02/2011	SE85671-2	25/02/2011
Date Analysed (Mercury)				25/02/2011	SE85671-1	25/02/2011 25/02/2011	SE85671-2	25/02/2011
Mercury	mg/kg	0.05	SEM-005	<0.05	SE85671-1	<0.05 <0.05	SE85671-2	101%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank
Asbestos ID in soil				
Date Analysed				[NT]

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
BTEX in Water (µg/L)						Base + Duplicate + %RPD		Duplicate + %RPD
Date Extracted (BTEX)				23/02/11	[NT]	[NT]	LCS	24/02/11
Date Analysed (BTEX)				24/02/11	[NT]	[NT]	LCS	24/02/11
Benzene	µg/L	0.5	SEO-018	<0.5	[NT]	[NT]	LCS	98%
Toluene	µg/L	0.5	SEO-018	<0.5	[NT]	[NT]	LCS	97%
Ethylbenzene	µg/L	0.5	SEO-018	<0.5	[NT]	[NT]	LCS	97%
Total Xylenes	µg/L	1.5	SEO-018	<1.5	[NT]	[NT]	LCS	98%
Surrogate	%	0	SEO-018	75	[NT]	[NT]	LCS	71%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
TRH in water with C6-C9 by P/T								
Date Extracted (TRH C6-C9 PT)				23/02/11	[NT]	[NT]	LCS	23/02/11
Date Analysed (TRH C6-C9 PT)				24/02/11	[NT]	[NT]	LCS	24/02/11
TRH C6 - C9 P&T in µg/L	µg/L	40	SEO-018	<40	[NT]	[NT]	LCS	99%
Date Extracted (TRH C10-C36)				23/02/11	[NT]	[NT]	LCS	23/02/11
Date Analysed (TRH C10-C36)				24/02/11	[NT]	[NT]	LCS	24/02/11
TRH C10 - C14	µg/L	100	SEO-020	<100	[NT]	[NT]	LCS	82%
TRH C15 - C28	µg/L	200	SEO-020	<200	[NT]	[NT]	LCS	84%
TRH C29 - C36	µg/L	200	SEO-020	<200	[NT]	[NT]	LCS	71%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PAHs in Water								
Date Extracted				23/02/11	[NT]	[NT]	LCS	23/02/11
Date Analysed				25/02/11	[NT]	[NT]	LCS	25/02/11
Naphthalene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	99%
Acenaphthylene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	92%
Acenaphthene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	96%
Fluorene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Phenanthrene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	99%
Anthracene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	98%
Fluoranthene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	102%
Pyrene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	105%
Benzo[a]anthracene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Chrysene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Benzo[b]fluoranthene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Benzo[k]fluoranthene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Benzo[a]pyrene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	LCS	92%
Indeno[123-cd]pyrene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Dibenzo[ah]anthracene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Benzo[ghi]perylene	µg/L	0.5	SEO-030	<0.50	[NT]	[NT]	[NR]	[NR]
Total PAHs	µg/L	8	SEO-030	<8	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PAHs in Water								
Nitrobenzene-d5	%	0	SEO-030	111	[NT]	[NT]	LCS	105%
2-Fluorobiphenyl	%	0	SEO-030	100	[NT]	[NT]	LCS	130%
<i>p</i> -Terphenyl- <i>d</i> 14	%	0	SEO-030	89	[NT]	[NT]	LCS	123%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
OC Pesticides in Water								
Date Extracted				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Date Analysed				27/02/2011	[NT]	[NT]	LCS	27/02/2011
HCB	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>alpha</i> -BHC	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>gamma</i> -BHC(Lindane)	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
Heptachlor	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	102%
Aldrin	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	93%
<i>beta</i> -BHC	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>delta</i> -BHC	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	105%
Heptachlor Epoxide	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>o,p</i> -DDE	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>alpha</i> -Endosulfan	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>trans</i> -Chlordane	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>cis</i> -Chlordane	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>trans</i> -Nonachlor	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDE	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
Dieldrin	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	76%
Endrin	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	87%
<i>o,p</i> -DDD	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>o,p</i> -DDT	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>beta</i> -Endosulfan	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDD	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
<i>p,p</i> -DDT	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	LCS	77%
Endosulfan Sulphate	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
Endrin Aldehyde	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
Methoxychlor	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
Endrin Ketone	µg/L	0.2	SEO-005	<0.2	[NT]	[NT]	[NR]	[NR]
2,4,5,6-Tetrachloro- <i>m</i> -xy lene (Surrogate	%	0	SEO-005	122	[NT]	[NT]	LCS	114%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
PCBs in Water								
Date Extracted (PCB's)				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Date Analysed (PCB's)				27/02/2011	[NT]	[NT]	LCS	27/02/2011
Arochlor 1016	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1221	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1232	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1242	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1248	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1254	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1260	µg/L	10	SEO-005	<10	[NT]	[NT]	LCS	111%
Arochlor 1262	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Arochlor 1268	µg/L	10	SEO-005	<10	[NT]	[NT]	[NR]	[NR]
Total Positive PCB	µg/L	90	SEO-005	<90	[NT]	[NT]	[NR]	[NR]
PCB_Surrogate 1	%	0	SEO-005	122	[NT]	[NT]	LCS	117%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Trace HM (ICP-MS)-Dissolved								
Date Extracted (Metals-ICPMS)				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Date Analysed (Metals-ICPMS)				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Arsenic	µg/L	1	AN318	<1	[NT]	[NT]	LCS	98%
Cadmium	µg/L	0.1	AN318	<0.1	[NT]	[NT]	LCS	102%
Chromium	µg/L	1	AN318	<1	[NT]	[NT]	LCS	99%
Copper	µg/L	1	AN318	<1	[NT]	[NT]	LCS	103%
Lead	µg/L	1	AN318	<1	[NT]	[NT]	LCS	107%
Nickel	µg/L	1	AN318	<1	[NT]	[NT]	LCS	102%
Zinc	µg/L	1	AN318	<1	[NT]	[NT]	LCS	101%



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QUALITY CONTROL	UNITS	LOR	METHOD	Blank	Duplicate Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Matrix Spike % Recovery Duplicate + %RPD
Mercury Cold Vapor/Hg Analyser								
Date Extracted (Mercury)				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Date Analysed (Mercury)				25/02/2011	[NT]	[NT]	LCS	25/02/2011
Mercury (Dissolved)	mg/L	0.0001	SEM-005	<0.0001	[NT]	[NT]	LCS	102%

QUALITY CONTROL	UNITS	LOR	METHOD	Blank
Hold sample- NO test required				
Sample on HOLD		[NT]		[NT]

QUALITY CONTROL	UNITS	LOR	METHOD	Blank
Moisture				
Date Analysed (moisture)				[NT]
Moisture	%	1	AN002	<1

QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
BTEX in Soil			
Date Extracted (BTEX)		SE85671-3 1	24/02/2011 24/02/2011
Date Analysed (BTEX)		SE85671-3 1	26/02/2011 26/02/2011
Benzene	mg/kg	SE85671-3 1	<0.1 <0.1
Toluene	mg/kg	SE85671-3 1	<0.1 <0.1
Ethylbenzene	mg/kg	SE85671-3 1	<0.1 <0.1
Total Xylenes	mg/kg	SE85671-3 1	<0.3 <0.3
BTEX Surrogate (%)	%	SE85671-3 1	110 108 RPD: 2



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QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Matrix Spike % Recovery
TRH in soil with C6-C9 by P/T			Base + Duplicate + %RPD		Duplicate + %RPD
Date Extracted (TRH C6-C9 PT)		SE85671-3 1	24/02/2011 24/02/2011	[NR]	[NR]
Date Analysed (TRH C6-C9 PT)		SE85671-3 1	26/02/2011 26/02/2011	[NR]	[NR]
TRH C6 - C9 P&T	mg/kg	SE85671-3 1	<20 <20	[NR]	[NR]
Date Extracted (TRH C10-C36)		SE85671-3 1	25/02/2011 25/02/2011	SE85671-1 2	25/02/11
Date Analysed (TRH C10-C36)		SE85671-3 1	25/02/2011 25/02/2011	SE85671-1 2	25/02/11
TRH C10 - C14	mg/kg	SE85671-3 1	<20 [N/T]	SE85671-1 2	106%
TRH C15 - C28	mg/kg	SE85671-3 1	<50 [N/T]	SE85671-1 2	95%
TRH C29 - C36	mg/kg	SE85671-3 1	<50 [N/T]	SE85671-1 2	60%

QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate
Metals in Soil by ICP-OES			Base + Duplicate + %RPD
Date Extracted (Metals)		SE85671-2 7	25/02/2011 25/02/2011
Date Analysed (Metals)		SE85671-2 7	25/02/2011 25/02/2011
Arsenic	mg/kg	SE85671-2 7	4 <3
Cadmium	mg/kg	SE85671-2 7	<0.3 <0.3
Chromium	mg/kg	SE85671-2 7	20 17 RPD: 16
Copper	mg/kg	SE85671-2 7	33 36 RPD: 9
Lead	mg/kg	SE85671-2 7	18 15 RPD: 18
Nickel	mg/kg	SE85671-2 7	29 26 RPD: 11
Zinc	mg/kg	SE85671-2 7	60 46 RPD: 26



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QUALITY CONTROL Mercury Cold Vapor/Hg Analyser	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date Extracted (Mercury)		SE85671-2 7	25/02/2011 25/02/2011
Date Analysed (Mercury)		SE85671-2 7	25/02/2011 25/02/2011
Mercury	mg/kg	SE85671-2 7	0.07 <0.05



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Result Codes

[INS] : Insufficient Sample for this test
[NR] : Not Requested
[NT] : Not tested
[LOR] : Limit of reporting

[RPD] : Relative Percentage Difference
* : Not part of NATA Accreditation
[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 Approved Identifier Yusuf Kuthpudin.

Samples analysed as received. Solid samples expressed on a dry weight basis.

Date Organics extraction commenced:

NATA Corporate Accreditation No. 2562, Site No 4354

Note: Test results are not corrected for recovery (excluding Air-toxics and Dioxins/Furans*)

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Quality Control Protocol

Method Blank: An analyte free matrix to which all reagents are added in the same volume or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. A method blank is prepared every 20 samples.

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

Surrogate Spike: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are added to samples before extraction to monitor extraction efficiency and percent recovery in each sample.

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

Laboratory Control Sample: A known matrix spiked with compound(s) representative of the target analytes. It is used to document laboratory performance. When the results of the matrix spike analysis indicates a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

Matrix Spike: An aliquot of sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Quality Acceptance Criteria

The QC criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: <http://www.au.sgs.com/sgs-mp-au-env-qu-022-qa-qc-plan-en-09.pdf>



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Chain of Custody

Laboratory Quotation / Order No:

Job No: GL24207AB

Sheet 1 of 5

No: 20555

Dispatch to:
(Address &
Phone No)

SGS
16/33 MADDOX AVE
ALEXANDRIA NSW

Sampled by:

LUCINDA CECOM
VELA BETHAN
DEVAKANTHAN

Consigning Officer:

COFFEY
GEOTECHNICALS
22/2

Attention:

SAMPLE
RECEIPT

Project Manager:
(report results to)

EDUARDO DA

Courier Service:

Consignment Note No:

23137

Relinquished by:

Lanyssa Matricolas

Date:

24/2

Time:

Received by:

8

Date:

22/2

Time:

Comments

Sample Matrix

Container Type
and Preservative

Sample No.

Date Sampled

PAHs

TPHs

MAHs = BTEX

Metals

OCP

PCB

Asbestos

TCLP

metals

TCLP

PAH

Analyses Required

Sample
Condition
on Receipt

Hold

Special Laboratory Instructions:
Metals 8 = As, Cd, Cr, Cu, Pb, Ni, Zn, Hg

Detection Limits:

Turnaround Required:

Standard

28/2/2011

JOB NUMBER MUST BE
REFERENCED ON ALL
SUBSEQUENT PAGES



Chain of Custody

Laboratory Quotation / Order No:

Job No:

No: 20562
2 of 5

Sheet

Dispatch to:
(Address &
Phone No.)

SGS
16133 WOODOCK AVE
ALEXANDRIA, NSW

Sampled by:

VJ

Consigning Officer:

Date Dispatched:

COFFEY GROUP
Alexandria 22/3/11

Attention:

SAMPLE
RECEIVED
EDWARD WU

Courier Service:

Consignment Note No:

3134

Relinquished by:

Laryssa Marbutas.

Date:

Time:

Received by:

3134

Date:

Time:

Comments

Sample Matrix

Container Type
and Preservative

Sample No.

Date Sampled

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

10

SOIL

GLASSION + 2 on
2 plastic bags

BH4A (0.2-0.3)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

11

SOIL

GLASSION + 2 on
2 plastic bags

BH4A (0.5-0.6)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

12

SOIL

GLASSION + 2 on
2 plastic bags

BH3 (0.1-0.3)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

13

SOIL

GLASSION + 2 on
2 plastic bags

BH3 (0.4-0.5)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

14

SOIL

GLASSION + 2 on
2 plastic bags

BH2 (0.5-0.75)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

15

SOIL

GLASSION + 2 on
2 plastic bags

BH3 (1.2-1.3)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

16

SOIL

GLASSION + 2 on
2 plastic bags

BH3 (2.0-2.4)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

17

SOIL

GLASSION + 2 on
2 plastic bags

BH3 (3.5-3.6)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

18

SOIL

GLASSION + 2 on
2 plastic bags

BH5 (0.3-0.4)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

19

SOIL

GLASSION + 2 on
2 plastic bags

BH5 (1.1-1.3)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

20

SOIL

GLASSION + 2 on
2 plastic bags

BH5 (1.3-1.4)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

21

SOIL

GLASSION + 2 on
2 plastic bags

BH5 (3.5-3.6)

16/2/11

PAHs

TPHs

Metals = BTEX

Metals: 8

OCP

PCB

Asbestos
TCLP
metals
TCLP
PAH

Hold

Sample
Condition
on Receipt

Special Laboratory Instructions:

Metals: 8 = As, Cd, Cr, Cu, Pb, Ni, Zn, Hg

Detection Limits:

Turnaround Required:

Standard

28/2/2011

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Chain of Custody

Laboratory Quotation / Order No:

Job No: C20207AB

Sheet

3 of 5

No: 20561

Dispatch to:
(Address &
Phone No)

SES
16/33 MAOOR AVE
ALCKANDRIA NSW

Sampled by:

VELAUTIAM
JERAIKANTHIM

Consigning Officer:
Date Dispatched:

COFFEY GEOT
22/2

Attention:

SAMPLE
RECEIANT

Project Manager:
(report results to)

EDWARD WUN

Courier Service:

Consignment Note No:

8393A

Relinquished by:

Lanyssa Maniculas

Date:

22/2

Time:

Received by:

8

373A

Date:

22/2

Time:

Comments

Sample Matrix

Container Type
and Preservative

Sample No.

Date Sampled

PAHs

TPHs

MAEs = BTEX

Metals: 8

OCP

PCB

Asbestos

TCLP

metals

TCLP

PAH

Hold

Sample
Condition
on Receipt

22

SOIL

GRASS - AL 1200
200cc (200) K1

BH4 (0.1-0.3)

18/2/11

23

BH4 (0.5-0.6)

18/2/11

24

BH4 (2.0-2.1)

18/2/11

25

BH4 (3.5-3.6)

18/2/11

26

BH6 (0.1-0.3)

17/2/11

27

BH6 (1.1-1.2)

17/2/11

28

BH6 (2.35-2.45)

17/2/11

29

BH6 (0.5-0.6)

17/2/11

30

BH6 (5.5-5.1)

17/2/11

Special Laboratory Instructions:

metals 8 = As, Cd, Cr, Cu, Pb, Ni, Zn, Hg

Detection Limits:

Turnaround Required:

5100000

28/2/11

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Chain of Custody

Laboratory Quotation / Order No:

Job No: 624207AB

Sheet 4 of 5

No: 20557

Dispatch to:
(Address &
Phone No)

SGS
16/33 MAOON
ALEXANDRIA, EGY

Sampled by:

LUCEINA
GORDON

Consigning Officer:

COFFEY GEOTECHNICS
22/2

Attention:

SAMPLE
RECEIPT

Project Manager:
(report results to)

EDUARDO

Courier Service:

Consignment Note No:

3157

Relinquished by:

Laryssa Mamoulias

Date:

22/2

Time:

Received by:

3157

Date:

22/2

Time:

Comments

Sample Matrix

Container Type
and Preservative

Sample No.

Date Sampled

PAHs
TPHs
MAHs = BTEX
Metals: 8

OCF
PCB
Asbestos
TCLP
Metal
TCLP
PAH

Analyses Required

Sample
Condition
on Receipt

31

SOIL

CLASS SAN & 700
ZINC COCIL (304) 300

TPB1 (0.2-0.4) 16/2/11

1

1

1

1

1

1

1

Hold

32

1

1

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Special Laboratory Instructions:

Metals: 8 = As, Cd, Cr, Cu, Pb, Ni, Zn Hg

Detection Limits:

Turnaround Required:

500000

28/2/11

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[illegible]

Special Laboratory Instructions:

Metals 8: As, Cd, Cr, Cu, Pb, Ni, Zn, Hg

Turnaround Required:

28/2/2011

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YELLOW: If dispatched to interstate Lab, Lab to sign on receipt and fax back to Coffey. **BLUE:** To be returned with results.

BLUE: To be returned with results.

AU.SampleReceipt.Sydney (Sydney)

From: Edward Wu [Edward_Wu@coffey.com]
Sent: Wednesday, 23 February 2011 2:11 PM
To: AU.SampleReceipt.Sydney (Sydney); Lucinda Gordon
Subject: RE: GL24207AB, SGS SE85671

Put TB2 and TS2 on hold please. Thanks.

For this job, please invoice to Coffey Geotechnics Pty Ltd, not Coffey Environments Pty Ltd.

From: AU.SampleReceipt.Sydney (Sydney) [mailto:AU.SampleReceipt.Sydney@sgs.com]
Sent: Wednesday, 23 February 2011 2:07 PM
To: Edward Wu; Lucinda Gordon
Subject: GL24207AB, SGS SE85671

Dear Edward,

SGS has received these samples. Extra sample TB2 and TS2 received. Do you want them analysed?

Kind Regards

Emily Yin
Environmental Services
Sample Administration Officer

SGS Australia Pty Ltd
Unit 16, 33 Maddox St
Alexandria, NSW, 2015

Phone: +61 (0)2 8594 0400
Fax: +61 (0)2 8594 0499
E-mail: au.samplereceipt.sydney@sgs.com

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CILDISCL0005

23/02/2011