

APPENDIX F

SAMPLE RECEIPT ADVICE & CHAIN-OF-CUSTODY CERTIFICATES

Sheet 1 of 14

Sample Matrix

Analysis

Site: Sheperds Bay Urban

Project ID: E2008

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling	
			Date	Time
BH1-1	1	5	2.11.13	Am/pm
BH1-2				
BH2-1	2		20.11.13	
BH3-1	3		15.11.13	
BH3-2	4			
BH3-3				
BH4-1	5		20.11.13	
BH5-1	6			
BH6-1	7		2.11.13	
BH6-2	8			
BH6-3				
BH7-1	9		15.11.13	
BH7-2	10			

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

sPOCAs

pH (1:5)

EC (1:5)

Peroxid PH

Comments:

^A Arsenic

Cadmium

Chromium

Copper

Lead

Mercury

Nickel

Zinc

^B Antimony

Barium

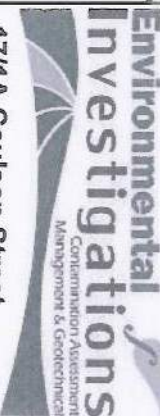
Beryllium

Cobalt

Manganese

Tin

Vanadium



17/1A Coulson Street,
ERSKINEVILLE NSW 2043
PO Box 215
ST PETERS NSW 2044
Ph: 9516 0722
Fx: 9516 0741
service@eiaustralia.com.au

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

Print

Signature

Sampler's Comments:

Received by:
(print & Signature)

Date:

Time:

Container Type:
J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial; Teflon Septum; ZLB= Zip-Lock Bag

IMPORTANT:
PLEASE E-MAIL LABORATORY RESULTS TO:
service@eiaustralia.com.au

Date: 4.12.13

Date: 02.11.12

Time: 2.45pm

Site: Sheperds Bay Urban

Project ID: E2008

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,

ALEXANDRIA NSW 2015

P: 02 8594 0400 F: 02 8594 0499

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

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TPH (C₁₀ - C₃₆) only

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Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

E. Short

E. Short

Date: 4.12.13

Received by:

E. Short

Date:

Time:

IMPORTANT:

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Container Type:

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle; P= natural HDPE plastic bottle; VC= glass vial; Teflon Septum; ZLB= Zip-Lock Bag

Site: Shepherds Bay Urban
 Project ID: E2008
Meadowbank, NSW

Laboratory: **SGS Australia**
 Unit 16, 33 Maddox Street,
 ALEXANDRIA NSW 2015
 P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₈) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH206-1	18	5	21.11.13	Am/pm	/	/			/	/	/	/	/							
BH208-2						/			/		/	/	/							
BH209-1	19					/			/		/	/	/							
BH209-2						/			/		/	/	/							
BH210-1	20					/			/		/	/	/							
BH210-2						/			/		/	/	/							
BH211-1	21		26.11.13			/			/		/	/	/							
BH211-2						/			/		/	/	/							
BH212-1	22					/			/		/	/	/							
BH212-2						/			/		/	/	/							
BH213-1	23					/			/		/	/	/							
BH213-2						/			/		/	/	/							
BH214-1	24					/			/		/	/	/							

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name: E. Short
 Print E. Short Signature E. Short

Sampler's Comments:

Received by: [Signature]
 (print & Signature)

Date: 04.12.13 Time: 2.45pm

Container Type:
 J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
 P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB = Zip-Lock Bag

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Environmental Investigations
 Contamination Assessment
 Management & Geotechnical

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Comments:
^A Arsenic ^B Antimony
 Cadmium Barium
 Chromium Beryllium
 Copper Cobalt
 Lead Manganese
 Mercury Tin
 Nickel Vanadium
 Zinc

Laboratory Turnaround:
☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other _____

Site: Shepherds Bay Urban

Project ID: E2008

Meadowbank, NSW

Laboratory: **SGS Australia**
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₈) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH214-2		5	26.11.13	Am/pm	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH215-1	25				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH215-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH216-1	2A				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH216-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH217-1	27				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH218-1	28				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH219-1	29				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH220-1	30				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH221-1	31				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH221-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH222-1	32				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH222-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

E. Short

E. Short

Date: 4.12.13

Received by:
(print & Signature)

[Signature]

Date: 04/12 Time: 2450

IMPORTANT:

PLEASE E-MAIL LABORATORY RESULTS TO:
service@eiaustralia.com.au

Comments:

- | | |
|----------------------|-----------------------|
| ^A Arsenic | ^B Antimony |
| Cadmium | Barium |
| Chromium | Beryllium |
| Copper | Cobalt |
| Lead | Manganese |
| Mercury | Tin |
| Nickel | Vanadium |
| Zinc | |

Laboratory Turnaround:

- ☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other _____

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Container Type:
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P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

Site: Sheperds Bay Urban Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample Matrix

Analysis

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₆) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH223-1	33	5	28.11.13	AM/PM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH223-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH224-1	34				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH224-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH301-1	35		22.11.13		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH301-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH302-1	36				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH302-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH303-1	37				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH303-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH404-1	38				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH404-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH305-1	39				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

Print E. Short

Signature E. Short

Date: 4.12.13

Received by: (print & Signature)

[Signature]

Date: 04/12/13

Time: 2.45pm

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Comments:

- ^A Arsenic ^B Antimony
Cadmium Barium
Chromium Beryllium
Copper Cobalt
Lead Manganese
Mercury Tin
Nickel Vanadium
Zinc

Laboratory Turnaround:

- ☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other

IMPORTANT:

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Container Type:
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Sheet 6 of 14

Sample Matrix

Analysis

Site: Shepards Bay Urban

Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling	
			Date:	Time:
BH305-2	40	5	22.11.13	Am/pm
BH305-3	129			
BH306-1	41			
BH306-2	42			
BH306-3				
BH307-1	43			
BH307-2				
BH308-1	44			
BH308-2				
BH309-1	45			
BH309-2				
BH310-1	46			
BH310-2				

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

sPOCAs

pH (1:5)

EC (1:5)

Peroxid PH

TRH only

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

E. Short

E. Short

Date: 4.12.13

Sampler's Comments:

Received by:
(print & Signature)

[Signature]

Date: 04.12.2013

Time: 2.45pm

Comments:

^A Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc
^B Antimony
Barium
Beryllium
Cobalt
Manganese
Tin
Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other



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Container Type:
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Site: Shepards Bay Urban

Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling	
			Date	Time
BH311-1	47	5	25.11.13	Am/pm
BH311-2				
BH312-1	48			
BH312-2				
BH313-1	49			
BH313-2				
BH314-1	50			
BH314-2				
BH315-1	51			
BH315-2				
BH316-1	52			
BH316-2				
BH317-1	53	✓	✓	✓

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

sPOCAs

pH (1:5)

EC (1:5)

Peroxid PH

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Beryllium

Copper

Cobalt

Lead

Manganese

Mercury

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Zinc

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

E. Short

Signature

Date: 4.12.13

Sampler's Comments:

Received by:
(print & Signature)

[Signature]

Date:

04/12

Time:

2.45pm

Container Type:

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Sheet 8 of 14

Sample Matrix

Analysis

Site:

Shepards Bay Urban

Project ID:

E2008

Laboratory:

SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID

Laboratory ID

Container Type

Date:

Time:

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^AHeavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

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pH (1:5)

EC (1:5)

Peroxid PH

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Tin

Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours☐ 48 Hours ☐ 72 Hours☒ Standard☐ Other

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

Print E. ShortSignature E. Short

Date:

4.12.13

Received by:

[Signature]

Date:

04.12.2013

Time:

2.05pm

Container Type:

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle; P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

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Analysis

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Meadowbank, NSW

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ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₆) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH	BTEX only
			Date:	Time:																	
BH324-1	60	S	25.11.13	AmPm	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH324-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH325-1	61				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH325-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH326-1	62				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH326-2					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B1	63				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
B2	64	V			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
R1	65	15.2Vc	28.11.13	Pm	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
TB	66	1V			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
TS	67	1V			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

Print

Signature

Received by:
(print & Signature)

Date:

Time:

Container Type:
J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

Laboratory Turnaround:

- ☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other

Comments:

^A Arsenic ^B Antimony
 Cadmium Barium
 Chromium Beryllium
 Copper Cobalt
 Lead Manganese
 Mercury Tin
 Nickel Vanadium
 Zinc

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IMPORTANT:
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Sheet 10 of 14

Sample Matrix

Analysis

Site: Shepards Bay Urban Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₆) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH1-1	68	2LB	21.11.13	AmPm	/	/									/					
BH1-2	69		↓																	
BH2-1	70		20.11.13		/	/									/					
BH3-1	71		15.11.13		/	/									/					
BH3-2	72		↓		/	/									/					
BH4-1	73		20.11.13		/	/									/					
BH5-1	74		↓		/	/									/					
BH6-1	75		21.11.13		/	/									/					
BH6-2	76		↓		/	/									/					
BH7-1	77		15.11.13		/	/									/					
BH7-2	78		↓		/	/									/					
BH201-1	79		21.11.13		/	/									/					
BH202-1	80		↓		/	/									/					

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

Print

Signature

Date: 4.12.13

Received by:
(print & Signature)

Date: 04/12 Time: 2.45pm

IMPORTANT:

PLEASE E-MAIL LABORATORY RESULTS TO:

service@eiaustralia.com.au

Comments:

^A Arsenic

^B Antimony

Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc
Barium
Beryllium
Cobalt
Manganese
Tin
Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours
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Consultation/Assessment
Management & Geotechnical

17/1A Coulson Street,
ERSKINEVILLE NSW 2043
PO Box 215
ST PETERS NSW 2044
Ph: 9516 0722
Fx: 9516 0741
service@eiaustralia.com.au

Sheet 11 of 14

Site: Shepards Bay Urban

Project ID: E2008

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample Matrix

Analysis

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₆) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH203-1	81	ZLB	21.11.13	Am/pm	/	/														
BH204-1	82				/	/														
BH205-1	83				/	/														
BH206-1	84				/	/														
BH207-1	85				/	/														
BH208-1	86				/	/														
BH209-1	87				/	/														
BH210-1	88				/	/														
BH211-1	89		26.11.13		/	/														
BH212-1	90				/	/														
BH213-1	91				/	/														
BH214-1	92				/	/														
BH215-1	93				/	/														

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

Print E. Short

Signature E. Short

Sampler's Comments:

Received by:
(print & Signature)

Signature [Signature]

Date:

02.12.2012

Time:

2.49pm

Container Type:
J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB = Zip-Lock Bag

Laboratory Turnaround:

- ☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other _____

Comments:

- ^A Arsenic ^B Antimony
 Cadmium Barium
 Chromium Beryllium
 Copper Cobalt
 Lead Manganese
 Mercury Tin
 Nickel Vanadium
 Zinc

Environmental Investigations
 Contamination Assessment
 Management & Remediation

17/1A Coulson Street,
 ERSKINEVILLE NSW 2043
 PO Box 215
 ST PETERS NSW 2044
 Ph: 9516 0722
 Fax: 9516 0741
 service@eiaustralia.com.au

IMPORTANT:
 PLEASE E-MAIL LABORATORY RESULTS TO:
 service@eiaustralia.com.au

Sheet 12 of 14

Sample Matrix

Analysis

Site: Shepards Bay Urban Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling		WATER	SOIL	COMPOSITE	OTHER	Heavy Metals ^A	Heavy Metals ^B	TPH / BTEX	PAHs	OCPs / PCBs / OPPs	TPH (C ₁₀ - C ₃₆) only	Asbestos	VOCs	sPOCAs	pH (1:5)	EC (1:5)	Peroxid PH
			Date:	Time:																
BH216-1	94	ZLB	26.11.13	4.41pm	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH217-1	95																			
BH218-1	96																			
BH219-1	97																			
BH220-1	98																			
BH221-1	99		26.11.13		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH222-1	100																			
BH223-1	101																			
BH224-1	102																			
BH301-1	103		22.11.13		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BH302-1	104																			
BH303-1	105																			
BH304-1	106																			

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Comments:

Sampler Name:

Print E. Short

Signature E. Short

Date: 4.12.13

Received by:
(print & Signature)

W. Short

Date:

04/12/2013

Time:

2.49pm

Comments:

^A Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc
^B Antimony
Barium
Beryllium
Cobalt
Manganese
Tin
Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other _____

Container Type:

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

IMPORTANT:

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service@eiaustralia.com.au



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Ph: 9516 0722
Fx: 9516 0741
service@eiaustralia.com.au

Sheet 13 of 14

Sample Matrix

Analysis

Site: Shepards Bay Urban Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling	
			Date:	Time:
BH305-1	107	ZLB	22.11.13	Am (PM)
BH306-1	108			
BH307-1	109			
BH308-1	110			
BH309-1	111			
BH310-1	112			
BH311-1	113		25.11.13	
BH312-1	114			
BH313-1	115			
BH314-1	116			
BH315-1	117			
BH316-1	118			
BH317-1	119			

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

sPOCAs

pH (1:5)

EC (1:5)

Peroxid PH

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

Print

Signature

Date:

Time:

Sampler's Comments:

Received by:
(print & Signature)

Signature

Date:

Time:

Comments:

^A Arsenic

Cadmium

Chromium

Copper

Lead

Mercury

Nickel

Zinc

^B Antimony

Barium

Beryllium

Cobalt

Manganese

Tin

Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other

Environmental Investigations
Contamination Assessment
Management & Remediation

17/1A Coulson Street,
ERSKINEVILLE NSW 2043
PO Box 215
ST PETERS NSW 2044
Ph: 9516 0722
Fx: 9516 0741
service@eiaustralia.com.au

IMPORTANT:

PLEASE E-MAIL LABORATORY RESULTS TO:

service@eiaustralia.com.au

Container Type:

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

Sheet 14 of 14

Sample Matrix

Analysis

Site: Shepards Bay Urban

Project ID: E2008

Meadowbank, NSW

Laboratory: SGS Australia

Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling	
			Date:	Time:

WATER

SOIL

COMPOSITE

OTHER

Heavy Metals ^A

Heavy Metals ^B

TPH / BTEX

PAHs

OCPs / PCBs / OPPs

TPH (C₁₀ - C₃₆) only

Asbestos

VOCs

sPOCAs

pH (1:5)

EC (1:5)

Peroxid PH

Environmental Investigations
 17/1A Coulson Street,
 ERSKINEVILLE NSW 2043
 PO Box 215
 ST PETERS NSW 2044
 Ph: 9516 0722
 Fax: 9516 0741
 service@eiaustralia.com.au

Comments:

^A Arsenic

Cadmium

Chromium

Copper

Lead

Mercury

Nickel

Zinc

^B Antimony

Barium

Beryllium

Cobalt

Manganese

Tin

Vanadium

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours

☐ 48 Hours ☐ 72 Hours

☒ Standard

☐ Other

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler Name:

Print

Signature

Date:

4.12.13

Sampler's Comments:

Received by:
(print & Signature)

E. Short

Date:

04.12

Time:

245pm

Container Type:

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle; P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB= Zip-Lock Bag

IMPORTANT:

PLEASE E-MAIL LABORATORY RESULTS TO:

service@eiaustralia.com.au

Adams, Erin (Sydney)

From: Earin W Short - Environmental Investigations [Earin.Short@eiaustralia.com.au]
Sent: Thursday, 5 December 2013 3:00 PM
To: AU.SampleReceipt.Sydney (Sydney)
Subject: RE: SE122980 - E2008

Hi Emily,

On reviewing the COCs I see that BH7-3 is already on the COC at the top of page 2 and is marked as on hold.

Also, sample BH1-2 (ZLB) was marked for asbestos, please can you remove this from the analysis request and place on hold.

Kind regards

ES

From: AU.SampleReceipt.Sydney (Sydney) [mailto:AU.SampleReceipt.Sydney@sgs.com]
Sent: Thursday, 5 December 2013 9:44 AM
To: Earin W Short - Environmental Investigations
Cc: Service - Environmental Investigations
Subject: SE122980 - E2008

Dear Earin,

Extra sample labelled BH7_1.0-1.2 (BH7-3) on the lid received. Do you want it 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

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AU.SampleReceipt.Sydney (Sydney)

From: Earin W Short - Environmental Investigations [Earin.Short@eiaustralia.com.au]
Sent: Thursday, 5 December 2013 10:21 AM
To: AU.SampleReceipt.Sydney (Sydney)
Subject: Re: SE122980 - E2008

Hi Emily,

Bh7-3 put on hold thanks

Sent from my Motorola RAZR™ M on the Telstra Next G™ Network

"AU.SampleReceipt.Sydney (Sydney)" <AU.SampleReceipt.Sydney@sgs.com> wrote:

Dear Earin,

Extra sample labelled BH7_1.0-1.2 (BH7-3) on the lid received. Do you want it 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

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JOB No.

SE 122980

(502)

Comments

Plongeur metal Soft

1-64/129

6

60

6

68-128

1	2
---	---



507

cuastre

3

801

3

508

3

5

5

From

5

5

1

508

4 ~~7~~ Soil on hole



SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Contact Earin Short
Client Environmental Investigations
Address 17 / 1A Coulson Street
ERSKINEVILLE
NSW 2044

Telephone 02 9516 0722
Facsimile 02 9516 0741
Email earin.short@eiaustralia.com.au

Project **E2008 - Sheperds Bay Urban - Meadowbank**
Order Number (Not specified)
Samples 129

LABORATORY DETAILS

Manager Huong Crawford
Laboratory SGS Alexandria Environmental
Address Unit 16, 33 Maddox St
Alexandria NSW 2015

Telephone +61 2 8594 0400
Facsimile +61 2 8594 0499
Email au.environmental.sydney@sgs.com

Samples Received Wed 4/12/2013
Report Due Wed 11/12/2013
SGS Reference **SE122980**

SUBMISSION DETAILS

This is to confirm that 129 samples were received on Wednesday 4/12/2013. Results are expected to be ready by Wednesday 11/12/2013. Please quote SGS reference SE122980 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	127 Soils & 2 Waters	Type of documentation received	COC
Date documentation received	5/12/2013	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	4.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

Samples will be held for one month for water samples and two months for soil samples from date of report, unless otherwise instructed.

COMMENTS

47 soil samples, which were not marked for analyses on the COC, have been placed on hold. These samples will not be processed.
Extra sample labelled BH7_1.0-1.2 received,

To the extent not inconsistent with the other provisions of this document and unless specifically agreed otherwise in writing by SGS, all SGS services are rendered in accordance with the applicable SGS General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions/General-Conditions-of-Services-English.aspx> as at the date of this document. Attention is drawn to the limitations of liability and to the clauses of indemnification.

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in	PCBs in Soil	Total Recoverable Metals in Soil by ICPOES from	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	BH1-1	28	13	23	11	7	9	12	8
002	BH2-1	28	13	23	11	7	9	12	8
003	BH3-1	28	13	23	11	7	9	12	8
004	BH3-2	28	13	23	11	7	9	12	8
005	BH4-1	28	13	23	11	7	9	12	8
006	BH5-1	28	13	23	11	7	9	12	8
007	BH6-1	28	13	23	11	7	9	12	8
008	BH6-2	28	13	23	11	7	9	12	8
009	BH7-1	28	13	23	11	7	9	12	8
010	BH7-2	28	13	23	11	7	9	12	8
011	BH201-1	28	13	23	11	7	9	12	8
012	BH202-1	28	13	23	11	7	9	12	8
013	BH203-1	28	13	23	11	7	9	12	8
014	BH204-1	28	13	23	11	7	9	12	8
015	BH205-1	28	13	23	11	7	9	12	8
016	BH206-1	28	13	23	11	7	9	12	8
017	BH207-1	28	13	23	11	7	9	12	8
018	BH208-1	28	13	23	11	7	9	12	8
019	BH209-1	28	13	23	11	7	9	12	8
020	BH210-1	28	13	23	11	7	9	12	8
021	BH211-1	28	13	23	11	7	9	12	8
022	BH212-1	28	13	23	11	7	9	12	8
023	BH213-1	28	13	23	11	7	9	12	8
024	BH214-1	28	13	23	11	7	9	12	8

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

The numbers shown in the table indicate the number of results requested in each package.

Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in	PCBs in Soil	Total Recoverable Metals in Soil by ICPOES from	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
025	BH215-1	28	13	23	11	7	9	12	8
026	BH216-1	28	13	23	11	7	9	12	8
027	BH217-1	28	13	23	11	7	9	12	8
028	BH218-1	28	13	23	11	7	9	12	8
029	BH219-1	28	13	23	11	7	9	12	8
030	BH220-1	28	13	23	11	7	9	12	8
031	BH221-1	28	13	23	11	7	9	12	8
032	BH222-1	28	13	23	11	7	9	12	8
033	BH223-1	28	13	23	11	7	9	12	8
034	BH224-1	28	13	23	11	7	9	12	8
035	BH301-1	28	13	23	11	7	9	12	8
036	BH302-1	28	13	23	11	7	9	12	8
037	BH303-1	28	13	23	11	7	9	12	8
038	BH304-1	28	13	23	11	7	9	12	8
039	BH305-1	28	13	23	11	7	9	12	8
040	BH305-2	28	13	23	11	7	9	12	8
041	BH306-1	28	13	23	11	7	9	12	8
042	BH306-2	28	13	23	11	7	9	12	8
043	BH307-1	28	13	23	11	7	9	12	8
044	BH308-1	28	13	23	11	7	9	12	8
045	BH309-1	28	13	23	11	7	9	12	8
046	BH310-1	28	13	23	11	7	9	12	8
047	BH311-1	28	13	23	11	7	9	12	8
048	BH312-1	28	13	23	11	7	9	12	8

CONTINUED OVERLEAF

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CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in	PCBs in Soil	Total Recoverable Metals in Soil by ICPOES from	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
049	BH313-1	28	13	23	11	7	9	12	8
050	BH314-1	28	13	23	11	7	9	12	8
051	BH315-1	28	13	23	11	7	9	12	8
052	BH316-1	28	13	23	11	7	9	12	8
053	BH317-1	28	13	23	11	7	9	12	8
054	BH318-1	28	13	23	11	7	9	12	8
055	BH319-1	28	13	23	11	7	9	12	8
056	BH320-1	28	13	23	11	7	9	12	8
057	BH321-1	28	13	23	11	7	9	12	8
058	BH322-1	28	13	23	11	7	9	12	8
059	BH323-1	28	13	23	11	7	9	12	8
060	BH324-1	28	13	23	11	7	9	12	8
061	BH325-1	28	13	23	11	7	9	12	8
062	BH326-1	28	13	23	11	7	9	12	8
063	B1	-	-	-	-	7	9	12	8
064	B2	-	-	-	-	7	9	12	8
067	TS	-	-	-	-	-	-	12	-

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	TRH (Total Recoverable Hydrocarbons) in Soil	Volatile Petroleum Hydrocarbons in Soil
129	BH305-3	9	8

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury in Soil	Moisture Content
001	BH1-1	1	1
002	BH2-1	1	1
003	BH3-1	1	1
004	BH3-2	1	1
005	BH4-1	1	1
006	BH5-1	1	1
007	BH6-1	1	1
008	BH6-2	1	1
009	BH7-1	1	1
010	BH7-2	1	1
011	BH201-1	1	1
012	BH202-1	1	1
013	BH203-1	1	1
014	BH204-1	1	1
015	BH205-1	1	1
016	BH206-1	1	1
017	BH207-1	1	1
018	BH208-1	1	1
019	BH209-1	1	1
020	BH210-1	1	1
021	BH211-1	1	1
022	BH212-1	1	1
023	BH213-1	1	1
024	BH214-1	1	1

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.



SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury in Soil	Moisture Content
025	BH215-1	1	1
026	BH216-1	1	1
027	BH217-1	1	1
028	BH218-1	1	1
029	BH219-1	1	1
030	BH220-1	1	1
031	BH221-1	1	1
032	BH222-1	1	1
033	BH223-1	1	1
034	BH224-1	1	1
035	BH301-1	1	1
036	BH302-1	1	1
037	BH303-1	1	1
038	BH304-1	1	1
039	BH305-1	1	1
040	BH305-2	1	1
041	BH306-1	1	1
042	BH306-2	1	1
043	BH307-1	1	1
044	BH308-1	1	1
045	BH309-1	1	1
046	BH310-1	1	1
047	BH311-1	1	1
048	BH312-1	1	1

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

The numbers shown in the table indicate the number of results requested in each package.

Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil	Mercury in Soil	Moisture Content	TRH (Total Recoverable Hydrocarbons) in Water	VOCs in Water	Volatile Petroleum Hydrocarbons in Water
049	BH313-1	-	1	1	-	-	-
050	BH314-1	-	1	1	-	-	-
051	BH315-1	-	1	1	-	-	-
052	BH316-1	-	1	1	-	-	-
053	BH317-1	-	1	1	-	-	-
054	BH318-1	-	1	1	-	-	-
055	BH319-1	-	1	1	-	-	-
056	BH320-1	-	1	1	-	-	-
057	BH321-1	-	1	1	-	-	-
058	BH322-1	-	1	1	-	-	-
059	BH323-1	-	1	1	-	-	-
060	BH324-1	-	1	1	-	-	-
061	BH325-1	-	1	1	-	-	-
062	BH326-1	-	1	1	-	-	-
063	B1	-	1	1	-	-	-
064	B2	-	1	1	-	-	-
065	R1	-	-	-	9	12	8
066	TB	-	-	-	-	12	-
068	BH1-1_ZLB	2	-	-	-	-	-
070	BH2-1_ZLB	2	-	-	-	-	-
071	BH3-1_ZLB	2	-	-	-	-	-
072	BH3-2_ZLB	2	-	-	-	-	-

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

The numbers shown in the table indicate the number of results requested in each package.

Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil
073	BH4-1_ZLB	2
074	BH5-1_ZLB	2
075	BH6-1_ZLB	2
076	BH6-2_ZLB	2
077	BH7-1_ZLB	2
078	BH7-2_ZLB	2
079	BH201-1_ZLB	2
080	BH202-1_ZLB	2
081	BH203-1_ZLB	2
082	BH204-1_ZLB	2
083	BH205-1_ZLB	2
084	BH206-1_ZLB	2
085	BH207-1_ZLB	2
086	BH208-1_ZLB	2
087	BH209-1_ZLB	2
088	BH210-1_ZLB	2
089	BH211-1_ZLB	2
090	BH212-1_ZLB	2
091	BH213-1_ZLB	2
092	BH214-1_ZLB	2
093	BH215-1_ZLB	2
094	BH216-1_ZLB	2
095	BH217-1_ZLB	2
096	BH218-1_ZLB	2

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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Testing as per this table shall commence immediately unless the client intervenes with a correction.



SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil
097	BH219-1_ZLB	2
098	BH220-1_ZLB	2
099	BH221-1_ZLB	2
100	BH222-1_ZLB	2
101	BH223-1_ZLB	2
102	BH224-1_ZLB	2
103	BH301-1_ZLB	2
104	BH302-1_ZLB	2
105	BH303-1_ZLB	2
106	BH304-1_ZLB	2
107	BH305-1_ZLB	2
108	BH306-1_ZLB	2
109	BH307-1_ZLB	2
110	BH308-1_ZLB	2
111	BH309-1_ZLB	2
112	BH310-1_ZLB	2
113	BH311-1_ZLB	2
114	BH312-1_ZLB	2
115	BH313-1_ZLB	2
116	BH314-1_ZLB	2
117	BH315-1_ZLB	2
118	BH316-1_ZLB	2
119	BH317-1_ZLB	2
120	BH318-1_ZLB	2

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil	Moisture Content
121	BH319-1_ZLB	2	-
122	BH320-1_ZLB	2	-
123	BH321-1_ZLB	2	-
124	BH322-1_ZLB	2	-
125	BH323-1_ZLB	2	-
126	BH324-1_ZLB	2	-
127	BH325-1_ZLB	2	-
128	BH326-1_ZLB	2	-
129	BH305-3	-	1

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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Testing as per this table shall commence immediately unless the client intervenes with a correction.



SAMPLE RECEIPT ADVICE

SE122980

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury (dissolved) in Water	Trace Metals (Dissolved) in Water by ICPMS
065	R1	1	7

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.

AU.SampleReceipt.Sydney (Sydney)

From: Earin W Short - Environmental Investigations [Earin.Short@eiaustralia.com.au]
Sent: Friday, 13 December 2013 5:47 PM
To: AU.SampleReceipt.Sydney (Sydney)
Cc: Eric Gerges - Environmental Investigations; Sari Eru - Environmental Investigations
Subject: FW: Request for further analysis - SE122980

Hello,

May I please request the following analysis to be completed on batch SE122980:

- #130 • BH208-2 tested for 8 Heavy metals (A), soil pH and CEC
- #131 • BH223-2 for TRH F2 – F4 (semi volatile only)
- #132 • BH203-2 for TPH F1 – F4
- #133 • BH205 -2 for TRH F2 – F4 (semi volatile only)
- #144 • BH308-1 for soil pH and CEC
- #134 • BH7-3 for F2 – F4 (semi volatile only)
- #135 • BH325-2 TRHs F2 – F4 (semi volatile only)

SGS Ref: SE122980A

Due Date: 18/12/2013

TAT 2 DAYS.

AND analysis of Benzo (a) Pyrene only on:

- #136 • BH304-2
- #137 • BH307-2
- #138 • BH309-2
- #139 • BH315-2
- #140 • BH316-2
- #141 • BH318-2
- #142 • BH320-2
- #135 • BH325-2
- #143 • BH326-2

TAT is 48Hrs please

Kind regards

Earin W Short | Environmental Scientist
Environmental Investigations Australia Pty Ltd
Unit 17/1A Coulson Street Erskineville NSW 2043
T 02 9516 0722 | F 02 9516 0744
W www.eiaustralia.com.au | E earin.short@eiaustralia.com.au



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SAMPLE RECEIPT ADVICE

SE122980A

CLIENT DETAILS

Contact Earin Short
Client Environmental Investigations
Address 17 / 1A Coulson Street
ERSKINEVILLE
NSW 2044

Telephone 02 9516 0722
Facsimile 02 9516 0741
Email earin.short@eiaustralia.com.au

Project **E2008 - Sheperds Bay Urban - Meadowbank**
Order Number (Not specified)
Samples 143

LABORATORY DETAILS

Manager Huong Crawford
Laboratory SGS Alexandria Environmental
Address Unit 16, 33 Maddox St
Alexandria NSW 2015

Telephone +61 2 8594 0400
Facsimile +61 2 8594 0499
Email au.environmental.sydney@sgs.com

Samples Received Wed 4/12/2013
Report Due Wed 18/12/2013
SGS Reference **SE122980A**

SUBMISSION DETAILS

This is to confirm that 143 samples were received on Wednesday 4/12/2013. Results are expected to be ready by Wednesday 18/12/2013. Please quote SGS reference SE122980A when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	14 Soils	Type of documentation received	Email
Date documentation received	13/12/2013@05:47pm	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	4.3°C
Sample container provider	SGS	Turnaround time requested	Two Days
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

Samples will be held for one month for water samples and two months for soil samples from date of report, unless otherwise instructed.

COMMENTS

Instructions received at SGS on 13/12/2013@05:47pm. Registration was not updated until the next working day.

To the extent not inconsistent with the other provisions of this document and unless specifically agreed otherwise in writing by SGS, all SGS services are rendered in accordance with the applicable SGS General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions/General-Conditions-of-Services-English.aspx> as at the date of this document. Attention is drawn to the limitations of liability and to the clauses of indemnification.



SAMPLE RECEIPT ADVICE

SE122980A

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Exchangeable Cations and Cation Exchange Capacity	pH in soil (1:5)
044	BH308-1	13	1

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

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CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Exchangeable Cations and Cation Exchange Capacity	Mercury in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in	pH in soil (1:5)	Total Recoverable Metals in Soil by ICPOES from	TRH (Total Recoverable Hydrocarbons) in Soil	Volatile Petroleum Hydrocarbons in Soil
130	BH208-2	13	1	-	1	7	-	-
131	BH223-2	-	-	5	-	-	9	-
132	BH203-2	-	-	-	-	-	9	8
133	BH205-2	-	-	5	-	-	9	-
134	BH7-3	-	-	5	-	-	9	-
135	BH325-2	-	-	5	-	-	9	-
136	BH304-2	-	-	5	-	-	-	-
137	BH307-2	-	-	5	-	-	-	-
138	BH309-2	-	-	5	-	-	-	-
139	BH315-2	-	-	5	-	-	-	-
140	BH316-2	-	-	5	-	-	-	-
141	BH318-2	-	-	5	-	-	-	-
142	BH320-2	-	-	5	-	-	-	-
143	BH326-2	-	-	5	-	-	-	-

CONTINUED OVERLEAF

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details.
Testing as per this table shall commence immediately unless the client intervenes with a correction.



SAMPLE RECEIPT ADVICE

SE122980A

CLIENT DETAILS

Client Environmental Investigations

Project E2008 - Sheperds Bay Urban - Meadowbank

SUMMARY OF ANALYSIS

No.	Sample ID	Moisture Content
130	BH208-2	1
131	BH223-2	1
132	BH203-2	1
133	BH205-2	1
134	BH7-3	1
135	BH325-2	1
136	BH304-2	1
137	BH307-2	1
138	BH309-2	1
139	BH315-2	1
140	BH316-2	1
141	BH318-2	1
142	BH320-2	1
143	BH326-2	1

The above table represents SGS Environmental Services' interpretation of the client-supplied Chain Of Custody document.

The numbers shown in the table indicate the number of results requested in each package.

Please indicate as soon as possible should your request differ from these details.

Testing as per this table shall commence immediately unless the client intervenes with a correction.

£1000

Contamination Assessment
Management & Geotechnical

Comments:

1. Arsenic	2. Antimony
Cadmium	Barium
Chromium	Beryllium
Copper	Cobalt
Lead	Manganese
Mercury	Tin
Nickel	Vanadium
Zinc	

Laboratory Turnaround:

☐ Same Day ☐ 24 Hours
☐ 48 Hours ☐ 72 Hours
☒ Standard
☐ Other

Date: 3.12.13

Time: 14:39

J= solvent washed, acid rinsed, Teflon sealed, glass jar; S= solvent washed, acid rinsed glass bottle;
P= natural HDPE plastic bottle; VC= glass vial, Teflon Septum; ZLB = Zip-Lock Bag

IMPORTANT:

PLEASE E-MAIL LABORATORY RESULTS TO:
service@eiaustralia.com.au

SAMPLE RECEIPT ADVICE

Client:

Environmental Investigations
17/1A Coulson St
Erskineville NSW 2043

ph: 9516 0722
Fax: 9516 0741

Attention: E Short

Sample log in details:

Your reference:
Envirolab Reference:
Date received:
Date results expected to be reported:

E2008, Meadowbank
101722
03/12/2013
10/12/13

Samples received in appropriate condition for analysis:	YES
No. of samples provided	2 Soils
Turnaround time requested:	Standard
Temperature on receipt (°C)	16.4
Cooling Method:	Ice Pack
Sampling Date Provided:	YES

Comments:

Samples will be held for 1 month for water samples and 2 months for soil samples from date of receipt of samples.

Contact details:

Please direct any queries to Aileen Hie or Jacinta Hurst
ph: 02 9910 6200 fax: 02 9910 6201
email: ahie@envirolabservices.com.au or jhurst@envirolabservices.com.au

APPENDIX G

LABORATORY ANALYTICAL REPORTS

CLIENT DETAILS

Contact: Earin Short
 Client: Environmental Investigations
 Address: 17 / 1A Coulson Street
 ERSKINEVILLE
 NSW 2044

Telephone: 02 9516 0722
 Facsimile: 02 9516 0741
 Email: earin.short@eiaustralia.com.au

Project: **E2008 - Sheperds Bay Urban - Meadowbank**
 Order Number: (Not specified)
 Samples: 129
 Date Received: 4/12/2013

LABORATORY DETAILS

Manager: Huong Crawford
 Laboratory: SGS Alexandria Environmental
 Address: Unit 16, 33 Maddox St
 Alexandria NSW 2015

Telephone: +61 2 8594 0400
 Facsimile: +61 2 8594 0499
 Email: au.environmental.sydney@sgs.com

SGS Reference: **SE122980 R0**
 Report Number: 0000071834
 Date Reported: 12/12/2013

COMMENTS

Accredited for compliance with ISO/IEC 17025. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all samples using trace analysis technique.

Asbestos analysed by Approved Identifier Ravee Sivasubramaniam.

PAH/OP - The Limit of Reporting (LOR) has been raised due to interferences from the sample matrix.

SIGNATORIES



Andy Sutton
Senior Organic Chemist



Dong Liang
Metals/Inorganics Team Leader



Huong Crawford
Production Manager



Jaimie Cheung
Metals Chemist



Kamrul Ahsan
Senior Chemist



Ly Kim Ha
Organic Section Head

VOC's in Soil [AN433/AN434]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL 21/11/2013 SE122980.001	SOIL 20/11/2013 SE122980.002	SOIL 15/11/2013 SE122980.003	SOIL 15/11/2013 SE122980.004	SOIL 20/11/2013 SE122980.005	SOIL 20/11/2013 SE122980.006
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL 21/11/2013 SE122980.007	SOIL 21/11/2013 SE122980.008	SOIL 15/11/2013 SE122980.009	SOIL 15/11/2013 SE122980.010	SOIL 21/11/2013 SE122980.011	SOIL 21/11/2013 SE122980.012
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL 21/11/2013 SE122980.013	SOIL 21/11/2013 SE122980.014	SOIL 21/11/2013 SE122980.015	SOIL 21/11/2013 SE122980.016	SOIL 21/11/2013 SE122980.017	SOIL 21/11/2013 SE122980.018
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL 21/11/2013 SE122980.019	SOIL 21/11/2013 SE122980.020	SOIL 26/11/2013 SE122980.021	SOIL 26/11/2013 SE122980.022	SOIL 26/11/2013 SE122980.023	SOIL 26/11/2013 SE122980.024
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

VOC's in Soil [AN433/AN434] (continued)

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL 26/11/2013 SE122980.025	SOIL 26/11/2013 SE122980.026	SOIL 26/11/2013 SE122980.027	SOIL 26/11/2013 SE122980.028	SOIL 26/11/2013 SE122980.029	SOIL 26/11/2013 SE122980.030
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL 28/11/2013 SE122980.031	SOIL 28/11/2013 SE122980.032	SOIL 28/11/2013 SE122980.033	SOIL 28/11/2013 SE122980.034	SOIL 22/11/2013 SE122980.035	SOIL 22/11/2013 SE122980.036
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL 22/11/2013 SE122980.037	SOIL 22/11/2013 SE122980.038	SOIL 22/11/2013 SE122980.039	SOIL 22/11/2013 SE122980.040	SOIL 22/11/2013 SE122980.041	SOIL 22/11/2013 SE122980.042
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL 22/11/2013 SE122980.043	SOIL 22/11/2013 SE122980.044	SOIL 22/11/2013 SE122980.045	SOIL 22/11/2013 SE122980.046	SOIL 25/11/2013 SE122980.047	SOIL 25/11/2013 SE122980.048
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

VOC's in Soil [AN433/AN434] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL 25/11/2013 SE122980.049	SOIL 25/11/2013 SE122980.050	SOIL 25/11/2013 SE122980.051	SOIL 25/11/2013 SE122980.052	SOIL 25/11/2013 SE122980.053	SOIL 25/11/2013 SE122980.054
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL 25/11/2013 SE122980.055	SOIL 25/11/2013 SE122980.056	SOIL 25/11/2013 SE122980.057	SOIL 25/11/2013 SE122980.058	SOIL 25/11/2013 SE122980.059	SOIL 25/11/2013 SE122980.060
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2	TS
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062	SOIL 25/11/2013 SE122980.063	SOIL 25/11/2013 SE122980.064	SOIL 28/11/2013 SE122980.067
Benzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	[91%]
Toluene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	[93%]
Ethylbenzene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	[93%]
m/p-xylene	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	[91%]
o-xylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	[89%]
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	-
Total BTEX*	mg/kg	0.60	<0.6	<0.6	<0.6	<0.6	-

Volatile Petroleum Hydrocarbons in Soil [AN433/AN434/AN410]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.001	20/11/2013 SE122980.002	15/11/2013 SE122980.003	15/11/2013 SE122980.004	20/11/2013 SE122980.005	20/11/2013 SE122980.006
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.007	21/11/2013 SE122980.008	15/11/2013 SE122980.009	15/11/2013 SE122980.010	21/11/2013 SE122980.011	21/11/2013 SE122980.012
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.013	21/11/2013 SE122980.014	21/11/2013 SE122980.015	21/11/2013 SE122980.016	21/11/2013 SE122980.017	21/11/2013 SE122980.018
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.019	21/11/2013 SE122980.020	26/11/2013 SE122980.021	26/11/2013 SE122980.022	26/11/2013 SE122980.023	26/11/2013 SE122980.024
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			26/11/2013 SE122980.025	26/11/2013 SE122980.026	26/11/2013 SE122980.027	26/11/2013 SE122980.028	26/11/2013 SE122980.029	26/11/2013 SE122980.030
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			28/11/2013 SE122980.031	28/11/2013 SE122980.032	28/11/2013 SE122980.033	28/11/2013 SE122980.034	22/11/2013 SE122980.035	22/11/2013 SE122980.036
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	35	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	620	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	620	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433/AN434/AN410] (continued)

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.037	22/11/2013 SE122980.038	22/11/2013 SE122980.039	22/11/2013 SE122980.040	22/11/2013 SE122980.041	22/11/2013 SE122980.042
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.043	22/11/2013 SE122980.044	22/11/2013 SE122980.045	22/11/2013 SE122980.046	25/11/2013 SE122980.047	25/11/2013 SE122980.048
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.049	25/11/2013 SE122980.050	25/11/2013 SE122980.051	25/11/2013 SE122980.052	25/11/2013 SE122980.053	25/11/2013 SE122980.054
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.055	25/11/2013 SE122980.056	25/11/2013 SE122980.057	25/11/2013 SE122980.058	25/11/2013 SE122980.059	25/11/2013 SE122980.060
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2	BH305-3
			SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.061	25/11/2013 SE122980.062	25/11/2013 SE122980.063	25/11/2013 SE122980.064	22/11/2013 SE122980.129
Benzene (F0)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25.0	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL 21/11/2013 SE122980.001	SOIL 20/11/2013 SE122980.002	SOIL 15/11/2013 SE122980.003	SOIL 15/11/2013 SE122980.004	SOIL 20/11/2013 SE122980.005	SOIL 20/11/2013 SE122980.006
TRH C10-C14	mg/kg	20	<20	<20	54	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	450	<45	54	<45
TRH C29-C36	mg/kg	45.0	<45	<45	350	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	58	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	720	<90	91	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	860	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	860	<210	<210	<210

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL 21/11/2013 SE122980.007	SOIL 21/11/2013 SE122980.008	SOIL 15/11/2013 SE122980.009	SOIL 15/11/2013 SE122980.010	SOIL 21/11/2013 SE122980.011	SOIL 21/11/2013 SE122980.012
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	72	<45	<45	260	<45	<45
TRH C29-C36	mg/kg	45.0	110	<45	<45	360	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	140	<90	<90	570	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	180	<110	<110	620	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	620	<210	<210

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL 21/11/2013 SE122980.013	SOIL 21/11/2013 SE122980.014	SOIL 21/11/2013 SE122980.015	SOIL 21/11/2013 SE122980.016	SOIL 21/11/2013 SE122980.017	SOIL 21/11/2013 SE122980.018
TRH C10-C14	mg/kg	20	180	<20	210	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	650	<45	77	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	170	<25	390	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	490	<90	94	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	180	<110	870	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	870	<210	<210	<210

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL 21/11/2013 SE122980.019	SOIL 21/11/2013 SE122980.020	SOIL 26/11/2013 SE122980.021	SOIL 26/11/2013 SE122980.022	SOIL 26/11/2013 SE122980.023	SOIL 26/11/2013 SE122980.024
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	75	<45	<45	<45
TRH C29-C36	mg/kg	45.0	<45	<45	87	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	130	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	160	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] (continued)

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL 26/11/2013 SE122980.025	SOIL 26/11/2013 SE122980.026	SOIL 26/11/2013 SE122980.027	SOIL 26/11/2013 SE122980.028	SOIL 26/11/2013 SE122980.029	SOIL 26/11/2013 SE122980.030
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL 28/11/2013 SE122980.031	SOIL 28/11/2013 SE122980.032	SOIL 28/11/2013 SE122980.033	SOIL 28/11/2013 SE122980.034	SOIL 22/11/2013 SE122980.035	SOIL 22/11/2013 SE122980.036
TRH C10-C14	mg/kg	20	<20	<20	6200	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	13000	<45	<45	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	9500	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	10000	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	20000	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	20000	<210	<210	<210

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL 22/11/2013 SE122980.037	SOIL 22/11/2013 SE122980.038	SOIL 22/11/2013 SE122980.039	SOIL 22/11/2013 SE122980.040	SOIL 22/11/2013 SE122980.041	SOIL 22/11/2013 SE122980.042
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	51	<20
TRH C15-C28	mg/kg	45.0	<45	<45	<45	<45	930	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	<45	520	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	120	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	1200	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	210	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	1500	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	1500	<210

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL 22/11/2013 SE122980.043	SOIL 22/11/2013 SE122980.044	SOIL 22/11/2013 SE122980.045	SOIL 22/11/2013 SE122980.046	SOIL 25/11/2013 SE122980.047	SOIL 25/11/2013 SE122980.048
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.049	25/11/2013 SE122980.050	25/11/2013 SE122980.051	25/11/2013 SE122980.052	25/11/2013 SE122980.053	25/11/2013 SE122980.054
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	<45	88	54	54	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	60	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	120	110	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.055	25/11/2013 SE122980.056	25/11/2013 SE122980.057	25/11/2013 SE122980.058	25/11/2013 SE122980.059	25/11/2013 SE122980.060
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	<45	77	<45	<45	<45	<45
TRH C29-C36	mg/kg	45.0	<45	80	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	<25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	150	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	160	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2	BH305-3
			SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.061	25/11/2013 SE122980.062	25/11/2013 SE122980.063	25/11/2013 SE122980.064	22/11/2013 SE122980.129
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	470	<45	<45	<45	<45
TRH C29-C36	mg/kg	45.0	370	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	740	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	130	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	840	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	840	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL 21/11/2013 SE122980.001	SOIL 20/11/2013 SE122980.002	SOIL 15/11/2013 SE122980.003	SOIL 15/11/2013 SE122980.004	SOIL 20/11/2013 SE122980.005	SOIL 20/11/2013 SE122980.006
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.3	0.3
Anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Fluoranthene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	0.6	0.8
Pyrene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	0.5	0.7
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.2	0.5
Chrysene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.2	0.4
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	0.3	0.6
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	0.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	0.4
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	0.4
Total PAH	mg/kg	0.80	<0.8	<0.8	0.8	<0.8	2.8	4.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	<0.2	<0.2	0.2	0.7

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL 21/11/2013 SE122980.007	SOIL 21/11/2013 SE122980.008	SOIL 15/11/2013 SE122980.009	SOIL 15/11/2013 SE122980.010	SOIL 21/11/2013 SE122980.011	SOIL 21/11/2013 SE122980.012
Naphthalene	mg/kg	0.10	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	1.1	0.2	0.3	0.2	<0.1	<0.1
Anthracene	mg/kg	0.10	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	1.9	0.4	0.4	0.3	<0.1	<0.1
Pyrene	mg/kg	0.10	1.8	0.3	0.4	0.3	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.10	1.2	0.3	0.2	<0.5 †	<0.1	<0.1
Chrysene	mg/kg	0.10	0.9	0.2	0.2	<0.5 †	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.10	1.5	0.3	0.3	0.2	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.10	0.4	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	1.1	0.2	0.2	0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	1.0	0.1	0.2	0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	0.9	<0.1	0.2	<0.1	<0.1	<0.1
Total PAH	mg/kg	0.80	13	2.3	2.8	2.2	<0.8	<0.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	1.7	0.3	0.3	0.2	<0.2	<0.2

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] (continued)

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL 21/11/2013 SE122980.013	SOIL 21/11/2013 SE122980.014	SOIL 21/11/2013 SE122980.015	SOIL 21/11/2013 SE122980.016	SOIL 21/11/2013 SE122980.017	SOIL 21/11/2013 SE122980.018
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Pyrene	mg/kg	0.10	<0.1	<0.1	0.3	0.2	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Chrysene	mg/kg	0.10	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH	mg/kg	0.80	<0.8	<0.8	1.0	1.5	0.8	<0.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	<0.2	0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL 21/11/2013 SE122980.019	SOIL 21/11/2013 SE122980.020	SOIL 26/11/2013 SE122980.021	SOIL 26/11/2013 SE122980.022	SOIL 26/11/2013 SE122980.023	SOIL 26/11/2013 SE122980.024
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	<0.1	0.2	0.1	<0.1	0.1
Anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	<0.1	<0.1	0.4	0.3	<0.1	0.4
Pyrene	mg/kg	0.10	<0.1	<0.1	0.4	0.3	<0.1	0.4
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	0.2	0.2	<0.1	0.4
Chrysene	mg/kg	0.10	<0.1	<0.1	0.2	0.2	<0.1	0.3
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	0.3	0.3	<0.1	0.5
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	0.1	<0.1	0.2
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	0.2	0.2	<0.1	0.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	0.1	0.2	<0.1	0.3
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	0.1	0.2	<0.1	0.3
Total PAH	mg/kg	0.80	<0.8	<0.8	2.2	2.2	<0.8	3.5
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	0.3	0.3	<0.2	0.6

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] (continued)

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL 26/11/2013 SE122980.025	SOIL 26/11/2013 SE122980.026	SOIL 26/11/2013 SE122980.027	SOIL 26/11/2013 SE122980.028	SOIL 26/11/2013 SE122980.029	SOIL 26/11/2013 SE122980.030
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAH	mg/kg	0.80	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL 28/11/2013 SE122980.031	SOIL 28/11/2013 SE122980.032	SOIL 28/11/2013 SE122980.033	SOIL 28/11/2013 SE122980.034	SOIL 22/11/2013 SE122980.035	SOIL 22/11/2013 SE122980.036
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.10	<0.1	<0.1	3.0	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	<0.5 †	<0.1	<0.1	<0.1
Total PAH	mg/kg	0.80	<0.8	<0.8	6.8	<0.8	<0.8	<0.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] (continued)

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL 22/11/2013 SE122980.037	SOIL 22/11/2013 SE122980.038	SOIL 22/11/2013 SE122980.039	SOIL 22/11/2013 SE122980.040	SOIL 22/11/2013 SE122980.041	SOIL 22/11/2013 SE122980.042
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	1.2	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	1.7	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	1.6	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	0.2	<0.1	<0.1	6.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	3.8	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	10	<0.1
Phenanthrene	mg/kg	0.10	0.2	1.0	<0.1	<0.1	28	0.2
Anthracene	mg/kg	0.10	<0.1	0.2	<0.1	<0.1	10	<0.1
Fluoranthene	mg/kg	0.10	0.5	2.0	<0.1	<0.1	9.5	0.2
Pyrene	mg/kg	0.10	0.4	1.8	<0.1	<0.1	36	0.3
Benzo(a)anthracene	mg/kg	0.10	0.2	1.1	<0.1	<0.1	18	0.2
Chrysene	mg/kg	0.10	0.2	1.0	<0.1	<0.1	13	0.1
Benzo(b&j)fluoranthene	mg/kg	0.10	0.3	1.3	<0.1	<0.1	20	0.2
Benzo(k)fluoranthene	mg/kg	0.10	0.1	0.5	<0.1	<0.1	6.3	<0.1
Benzo(a)pyrene	mg/kg	0.10	0.3	1.0	<0.1	<0.1	16	0.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	0.2	0.6	<0.1	<0.1	9.4	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	1.7	<0.1
Benzo(ghi)perylene	mg/kg	0.10	0.1	0.5	<0.1	<0.1	7.6	<0.1
Total PAH	mg/kg	0.80	2.6	11	<0.8	<0.8	200	1.7
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	0.4	1.4	<0.2	<0.2	23	0.2

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL 22/11/2013 SE122980.043	SOIL 22/11/2013 SE122980.044	SOIL 22/11/2013 SE122980.045	SOIL 22/11/2013 SE122980.046	SOIL 25/11/2013 SE122980.047	SOIL 25/11/2013 SE122980.048
Naphthalene	mg/kg	0.10	0.1	0.4	0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	1.3	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	0.5	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	0.1	<0.1	0.3	<0.1	<0.1	0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	0.4	0.3	0.7	<0.1	<0.1	0.4
Anthracene	mg/kg	0.10	0.1	<0.1	0.2	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	1.0	0.4	1.4	<0.1	<0.1	0.7
Pyrene	mg/kg	0.10	1.0	0.5	1.4	<0.1	<0.1	0.9
Benzo(a)anthracene	mg/kg	0.10	0.8	0.4	1.1	<0.1	<0.1	0.6
Chrysene	mg/kg	0.10	0.6	0.3	0.8	<0.1	<0.1	0.4
Benzo(b&j)fluoranthene	mg/kg	0.10	1.1	0.5	1.4	<0.1	<0.1	0.6
Benzo(k)fluoranthene	mg/kg	0.10	0.3	0.1	0.5	<0.1	<0.1	0.2
Benzo(a)pyrene	mg/kg	0.10	0.9	0.4	1.2	<0.1	<0.1	0.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	0.5	0.2	0.7	<0.1	<0.1	0.3
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	0.4	0.2	0.6	<0.1	<0.1	0.3
Total PAH	mg/kg	0.80	7.5	5.7	11	<0.8	<0.8	5.1
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	1.3	0.5	1.7	<0.2	<0.2	0.7

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL 25/11/2013 SE122980.049	SOIL 25/11/2013 SE122980.050	SOIL 25/11/2013 SE122980.051	SOIL 25/11/2013 SE122980.052	SOIL 25/11/2013 SE122980.053	SOIL 25/11/2013 SE122980.054
Naphthalene	mg/kg	0.10	<0.1	<0.1	0.2	<0.2†	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.2†	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.2†	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	<0.1	0.3	<0.2†	<0.1	0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.2†	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.2†	<0.1	<0.1
Phenanthrene	mg/kg	0.10	0.1	<0.1	1.9	0.6	0.3	0.3
Anthracene	mg/kg	0.10	<0.1	<0.1	0.5	0.2	<0.1	<0.1
Fluoranthene	mg/kg	0.10	0.1	<0.1	3.9	1.3	0.7	1.1
Pyrene	mg/kg	0.10	0.1	<0.1	3.7	1.3	0.7	1.1
Benzo(a)anthracene	mg/kg	0.10	<0.1	<0.1	2.9	0.9	0.5	0.8
Chrysene	mg/kg	0.10	<0.1	<0.1	1.8	0.7	0.4	0.5
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	<0.1	3.0	1.1	0.7	0.9
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	<0.1	0.7	0.5	0.2	0.3
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	2.3	1.0	0.5	0.8
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	<0.1	1.9	0.9	0.5	0.7
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	<0.1	0.2	<0.2†	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	<0.1	1.3	0.8	0.3	0.5
Total PAH	mg/kg	0.80	0.9	<0.8	25	9.6	5.2	7.4
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	<0.2	3.4	1.4	0.8	1.1

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL 25/11/2013 SE122980.055	SOIL 25/11/2013 SE122980.056	SOIL 25/11/2013 SE122980.057	SOIL 25/11/2013 SE122980.058	SOIL 25/11/2013 SE122980.059	SOIL 25/11/2013 SE122980.060
Naphthalene	mg/kg	0.10	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.10	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.10	<0.1	0.9	<0.1	0.2	<0.1	0.1
Anthracene	mg/kg	0.10	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.10	<0.1	2.3	<0.1	0.5	<0.1	0.3
Pyrene	mg/kg	0.10	<0.1	2.2	<0.1	0.5	<0.1	0.3
Benzo(a)anthracene	mg/kg	0.10	<0.1	1.5	<0.1	0.4	<0.1	0.2
Chrysene	mg/kg	0.10	<0.1	1.1	<0.1	0.3	<0.1	0.2
Benzo(b&j)fluoranthene	mg/kg	0.10	<0.1	1.4	<0.1	0.4	<0.1	0.2
Benzo(k)fluoranthene	mg/kg	0.10	<0.1	0.4	<0.1	0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	1.2	<0.1	0.3	<0.1	0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	<0.1	1.0	<0.1	0.3	<0.1	0.1
Dibenzo(a&h)anthracene	mg/kg	0.10	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	<0.1	0.7	<0.1	0.2	<0.1	0.1
Total PAH	mg/kg	0.80	<0.8	14	<0.8	3.3	<0.8	1.8
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	<0.2	1.8	<0.2	0.5	<0.2	0.2

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] (continued)

PARAMETER	UOM	LOR	BH325-1	BH326-1
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062
Naphthalene	mg/kg	0.10	1.6	<0.1
2-methylnaphthalene	mg/kg	0.10	0.6	<0.1
1-methylnaphthalene	mg/kg	0.10	0.5	<0.1
Acenaphthylene	mg/kg	0.10	3.3	0.1
Acenaphthene	mg/kg	0.10	<0.2 †	<0.1
Fluorene	mg/kg	0.10	0.3	<0.1
Phenanthrene	mg/kg	0.10	1.4	0.6
Anthracene	mg/kg	0.10	1.0	0.2
Fluoranthene	mg/kg	0.10	4.4	1.2
Pyrene	mg/kg	0.10	15	1.1
Benzo(a)anthracene	mg/kg	0.10	8.0	0.8
Chrysene	mg/kg	0.10	5.7	0.5
Benzo(b&j)fluoranthene	mg/kg	0.10	8.6	0.9
Benzo(k)fluoranthene	mg/kg	0.10	2.2	0.3
Benzo(a)pyrene	mg/kg	0.10	9.5	0.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.10	7.4	0.6
Dibenzo(a&h)anthracene	mg/kg	0.10	1.1	<0.1
Benzo(ghi)perylene	mg/kg	0.10	6.0	0.4
Total PAH	mg/kg	0.80	77	7.7
Carcinogenic PAHs (as BaP TEQ)*	TEQ	0.20	13	1.0

OC Pesticides in Soil [AN400/AN420]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL 21/11/2013 SE122980.001	SOIL 20/11/2013 SE122980.002	SOIL 15/11/2013 SE122980.003	SOIL 15/11/2013 SE122980.004	SOIL 20/11/2013 SE122980.005	SOIL 20/11/2013 SE122980.006
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	0.6	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL 21/11/2013 SE122980.007	SOIL 21/11/2013 SE122980.008	SOIL 15/11/2013 SE122980.009	SOIL 15/11/2013 SE122980.010	SOIL 21/11/2013 SE122980.011	SOIL 21/11/2013 SE122980.012
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL 21/11/2013 SE122980.013	SOIL 21/11/2013 SE122980.014	SOIL 21/11/2013 SE122980.015	SOIL 21/11/2013 SE122980.016	SOIL 21/11/2013 SE122980.017	SOIL 21/11/2013 SE122980.018
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL 21/11/2013 SE122980.019	SOIL 21/11/2013 SE122980.020	SOIL 26/11/2013 SE122980.021	SOIL 26/11/2013 SE122980.022	SOIL 26/11/2013 SE122980.023	SOIL 26/11/2013 SE122980.024
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL 26/11/2013 SE122980.025	SOIL 26/11/2013 SE122980.026	SOIL 26/11/2013 SE122980.027	SOIL 26/11/2013 SE122980.028	SOIL 26/11/2013 SE122980.029	SOIL 26/11/2013 SE122980.030
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL 28/11/2013 SE122980.031	SOIL 28/11/2013 SE122980.032	SOIL 28/11/2013 SE122980.033	SOIL 28/11/2013 SE122980.034	SOIL 22/11/2013 SE122980.035	SOIL 22/11/2013 SE122980.036
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL 22/11/2013 SE122980.037	SOIL 22/11/2013 SE122980.038	SOIL 22/11/2013 SE122980.039	SOIL 22/11/2013 SE122980.040	SOIL 22/11/2013 SE122980.041	SOIL 22/11/2013 SE122980.042
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL 22/11/2013 SE122980.043	SOIL 22/11/2013 SE122980.044	SOIL 22/11/2013 SE122980.045	SOIL 22/11/2013 SE122980.046	SOIL 25/11/2013 SE122980.047	SOIL 25/11/2013 SE122980.048
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL 25/11/2013 SE122980.049	SOIL 25/11/2013 SE122980.050	SOIL 25/11/2013 SE122980.051	SOIL 25/11/2013 SE122980.052	SOIL 25/11/2013 SE122980.053	SOIL 25/11/2013 SE122980.054
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL 25/11/2013 SE122980.055	SOIL 25/11/2013 SE122980.056	SOIL 25/11/2013 SE122980.057	SOIL 25/11/2013 SE122980.058	SOIL 25/11/2013 SE122980.059	SOIL 25/11/2013 SE122980.060
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH325-1	BH326-1
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062
Hexachlorobenzene (HCB)	mg/kg	0.10	<0.1	<0.1
Alpha BHC	mg/kg	0.10	<0.1	<0.1
Lindane	mg/kg	0.10	<0.1	<0.1
Heptachlor	mg/kg	0.10	<0.1	<0.1
Aldrin	mg/kg	0.10	<0.1	<0.1
Beta BHC	mg/kg	0.10	<0.1	<0.1
Delta BHC	mg/kg	0.10	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.10	<0.1	<0.1
o,p'-DDE	mg/kg	0.10	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.20	<0.2	<0.2
Gamma Chlordane	mg/kg	0.10	<0.1	<0.1
Alpha Chlordane	mg/kg	0.10	<0.1	<0.1
trans-Nonachlor	mg/kg	0.10	<0.1	<0.1
p,p'-DDE	mg/kg	0.10	<0.1	<0.1
Dieldrin	mg/kg	0.20	<0.2	<0.2
Endrin	mg/kg	0.20	<0.2	<0.2
o,p'-DDD	mg/kg	0.10	<0.1	<0.1
o,p'-DDT	mg/kg	0.10	<0.1	<0.1
Beta Endosulfan	mg/kg	0.20	<0.2	<0.2
p,p'-DDD	mg/kg	0.10	<0.1	<0.1
p,p'-DDT	mg/kg	0.10	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.10	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.10	<0.1	<0.1
Methoxychlor	mg/kg	0.10	<0.1	<0.1
Endrin Ketone	mg/kg	0.10	<0.1	<0.1
Isodrin	mg/kg	0.10	<0.1	<0.1
Mirex	mg/kg	0.10	<0.1	<0.1

OP Pesticides in Soil [AN400/AN420]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL 21/11/2013 SE122980.001	SOIL 20/11/2013 SE122980.002	SOIL 15/11/2013 SE122980.003	SOIL 15/11/2013 SE122980.004	SOIL 20/11/2013 SE122980.005	SOIL 20/11/2013 SE122980.006
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL 21/11/2013 SE122980.007	SOIL 21/11/2013 SE122980.008	SOIL 15/11/2013 SE122980.009	SOIL 15/11/2013 SE122980.010	SOIL 21/11/2013 SE122980.011	SOIL 21/11/2013 SE122980.012
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL 21/11/2013 SE122980.013	SOIL 21/11/2013 SE122980.014	SOIL 21/11/2013 SE122980.015	SOIL 21/11/2013 SE122980.016	SOIL 21/11/2013 SE122980.017	SOIL 21/11/2013 SE122980.018
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

OP Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL 21/11/2013 SE122980.019	SOIL 21/11/2013 SE122980.020	SOIL 26/11/2013 SE122980.021	SOIL 26/11/2013 SE122980.022	SOIL 26/11/2013 SE122980.023	SOIL 26/11/2013 SE122980.024
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL 26/11/2013 SE122980.025	SOIL 26/11/2013 SE122980.026	SOIL 26/11/2013 SE122980.027	SOIL 26/11/2013 SE122980.028	SOIL 26/11/2013 SE122980.029	SOIL 26/11/2013 SE122980.030
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL 28/11/2013 SE122980.031	SOIL 28/11/2013 SE122980.032	SOIL 28/11/2013 SE122980.033	SOIL 28/11/2013 SE122980.034	SOIL 22/11/2013 SE122980.035	SOIL 22/11/2013 SE122980.036
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<2.5 †	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<2.5 †	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<2.5 †	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<2.5 †	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<1.0 †	<0.2	<0.2	<0.2

OP Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL 22/11/2013 SE122980.037	SOIL 22/11/2013 SE122980.038	SOIL 22/11/2013 SE122980.039	SOIL 22/11/2013 SE122980.040	SOIL 22/11/2013 SE122980.041	SOIL 22/11/2013 SE122980.042
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL 22/11/2013 SE122980.043	SOIL 22/11/2013 SE122980.044	SOIL 22/11/2013 SE122980.045	SOIL 22/11/2013 SE122980.046	SOIL 25/11/2013 SE122980.047	SOIL 25/11/2013 SE122980.048
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL 25/11/2013 SE122980.049	SOIL 25/11/2013 SE122980.050	SOIL 25/11/2013 SE122980.051	SOIL 25/11/2013 SE122980.052	SOIL 25/11/2013 SE122980.053	SOIL 25/11/2013 SE122980.054
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<1.0†	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<1.0†	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<1.0†	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<1.0†	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.4†	<0.2	<0.2

OP Pesticides in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL 25/11/2013 SE122980.055	SOIL 25/11/2013 SE122980.056	SOIL 25/11/2013 SE122980.057	SOIL 25/11/2013 SE122980.058	SOIL 25/11/2013 SE122980.059	SOIL 25/11/2013 SE122980.060
Dichlorvos	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH325-1	BH326-1
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062
Dichlorvos	mg/kg	0.50	<1.0 †	<0.5
Dimethoate	mg/kg	0.50	<1.0 †	<0.5
Diazinon (Dimpylate)	mg/kg	0.50	<1.0 †	<0.5
Fenitrothion	mg/kg	0.20	<0.4 †	<0.2
Malathion	mg/kg	0.20	<0.4 †	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.20	<0.4 †	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.20	<0.4 †	<0.2
Bromophos Ethyl	mg/kg	0.20	<0.4 †	<0.2
Methidathion	mg/kg	0.50	<1.0 †	<0.5
Ethion	mg/kg	0.20	<0.4 †	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.20	<0.4 †	<0.2

PCBs in Soil [AN400/AN420] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL 25/11/2013 SE122980.049	SOIL 25/11/2013 SE122980.050	SOIL 25/11/2013 SE122980.051	SOIL 25/11/2013 SE122980.052	SOIL 25/11/2013 SE122980.053	SOIL 25/11/2013 SE122980.054
Arochlor 1016	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1.0	<1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL 25/11/2013 SE122980.055	SOIL 25/11/2013 SE122980.056	SOIL 25/11/2013 SE122980.057	SOIL 25/11/2013 SE122980.058	SOIL 25/11/2013 SE122980.059	SOIL 25/11/2013 SE122980.060
Arochlor 1016	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1.0	<1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	BH325-1	BH326-1
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062
Arochlor 1016	mg/kg	0.20	<0.2	<0.2
Arochlor 1221	mg/kg	0.20	<0.2	<0.2
Arochlor 1232	mg/kg	0.20	<0.2	<0.2
Arochlor 1242	mg/kg	0.20	<0.2	<0.2
Arochlor 1248	mg/kg	0.20	<0.2	<0.2
Arochlor 1254	mg/kg	0.20	<0.2	<0.2
Arochlor 1260	mg/kg	0.20	<0.2	<0.2
Arochlor 1262	mg/kg	0.20	<0.2	<0.2
Arochlor 1268	mg/kg	0.20	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1.0	<1	<1

Total Recoverable Metals in Soil by ICPOES from EPA 200.8 Digest [AN040/AN320]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.001	20/11/2013 SE122980.002	15/11/2013 SE122980.003	15/11/2013 SE122980.004	20/11/2013 SE122980.005	20/11/2013 SE122980.006
Arsenic, As	mg/kg	3.0	<3	<3	4	25	4	3
Cadmium, Cd	mg/kg	0.30	<0.3	0.9	0.8	<0.3	1.5	2.8
Chromium, Cr	mg/kg	0.30	4.1	10	17	9.7	42	12
Copper, Cu	mg/kg	0.50	2.0	9.9	37	8.5	260	30
Lead, Pb	mg/kg	1.0	4	41	230	27	2000	160
Nickel, Ni	mg/kg	0.50	1.7	2.6	19	21	25	7.1
Zinc, Zn	mg/kg	0.50	7.3	53	6500	370	570	110

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.007	21/11/2013 SE122980.008	15/11/2013 SE122980.009	15/11/2013 SE122980.010	21/11/2013 SE122980.011	21/11/2013 SE122980.012
Arsenic, As	mg/kg	3.0	<3	<3	7	15	<3	<3
Cadmium, Cd	mg/kg	0.30	<0.3	0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	18	6.0	39	37	11	11
Copper, Cu	mg/kg	0.50	38	5.4	27	59	10	47
Lead, Pb	mg/kg	1.0	170	22	77	71	6	5
Nickel, Ni	mg/kg	0.50	15	1.1	40	50	13	78
Zinc, Zn	mg/kg	0.50	76	230	230	130	19	44

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.013	21/11/2013 SE122980.014	21/11/2013 SE122980.015	21/11/2013 SE122980.016	21/11/2013 SE122980.017	21/11/2013 SE122980.018
Arsenic, As	mg/kg	3.0	<3	<3	<3	<3	<3	6
Cadmium, Cd	mg/kg	0.30	<0.3	<0.3	<0.3	<0.3	<0.3	0.6
Chromium, Cr	mg/kg	0.30	44	7.7	8.6	8.5	100	16
Copper, Cu	mg/kg	0.50	14	5.3	3.1	11	29	48
Lead, Pb	mg/kg	1.0	5	14	7	53	7	50
Nickel, Ni	mg/kg	0.50	20	4.3	1.1	3.5	98	25
Zinc, Zn	mg/kg	0.50	21	17	6.7	73	66	550

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.019	21/11/2013 SE122980.020	26/11/2013 SE122980.021	26/11/2013 SE122980.022	26/11/2013 SE122980.023	26/11/2013 SE122980.024
Arsenic, As	mg/kg	3.0	4	<3	10	<3	6	<3
Cadmium, Cd	mg/kg	0.30	<0.3	1.9	0.6	<0.3	0.4	0.6
Chromium, Cr	mg/kg	0.30	18	29	34	10	9.7	11
Copper, Cu	mg/kg	0.50	<0.5	21	64	14	50	120
Lead, Pb	mg/kg	1.0	6	20	80	59	320	600
Nickel, Ni	mg/kg	0.50	0.6	36	30	7.8	3.6	6.8
Zinc, Zn	mg/kg	0.50	2.0	32	210	55	170	250

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			26/11/2013 SE122980.025	26/11/2013 SE122980.026	26/11/2013 SE122980.027	26/11/2013 SE122980.028	26/11/2013 SE122980.029	26/11/2013 SE122980.030
Arsenic, As	mg/kg	3.0	10	7	<3	<3	<3	<3
Cadmium, Cd	mg/kg	0.30	1.6	2.8	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	73	57	7.4	7.5	8.9	8.1
Copper, Cu	mg/kg	0.50	22	60	1.2	1.6	3.1	2.2
Lead, Pb	mg/kg	1.0	310	370	5	6	9	9
Nickel, Ni	mg/kg	0.50	10	16	<0.5	0.5	1.0	0.6
Zinc, Zn	mg/kg	0.50	78	180	5.8	10	9.8	7.0

Total Recoverable Metals in Soil by ICPOES from EPA 200.8 Digest [AN040/AN320] (continued)

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			28/11/2013 SE122980.031	28/11/2013 SE122980.032	28/11/2013 SE122980.033	28/11/2013 SE122980.034	22/11/2013 SE122980.035	22/11/2013 SE122980.036
Arsenic, As	mg/kg	3.0	<3	<3	5	<3	4	<3
Cadmium, Cd	mg/kg	0.30	<0.3	<0.3	0.8	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	4.9	5.1	25	7.6	9.2	71
Copper, Cu	mg/kg	0.50	2.5	7.7	45	3.0	2.4	28
Lead, Pb	mg/kg	1.0	6	17	270	7	14	12
Nickel, Ni	mg/kg	0.50	4.1	1.7	26	54	1.0	83
Zinc, Zn	mg/kg	0.50	8.6	37	290	62	45	78

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.037	22/11/2013 SE122980.038	22/11/2013 SE122980.039	22/11/2013 SE122980.040	22/11/2013 SE122980.041	22/11/2013 SE122980.042
Arsenic, As	mg/kg	3.0	30	10	8	10	4	5
Cadmium, Cd	mg/kg	0.30	1.8	0.5	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	7.6	19	19	27	13	16
Copper, Cu	mg/kg	0.50	1500	22	6.8	6.9	25	31
Lead, Pb	mg/kg	1.0	210	300	19	21	38	370
Nickel, Ni	mg/kg	0.50	13	4.4	1.3	3.4	10	4.9
Zinc, Zn	mg/kg	0.50	930	210	6.8	9.8	56	220

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.043	22/11/2013 SE122980.044	22/11/2013 SE122980.045	22/11/2013 SE122980.046	25/11/2013 SE122980.047	25/11/2013 SE122980.048
Arsenic, As	mg/kg	3.0	7	3	5	<3	<3	<3
Cadmium, Cd	mg/kg	0.30	<0.3	0.5	0.5	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	17	28	12	12	8.9	12
Copper, Cu	mg/kg	0.50	13	49	31	48	2.4	69
Lead, Pb	mg/kg	1.0	90	75	150	9	12	6
Nickel, Ni	mg/kg	0.50	2.8	24	5.1	50	1.3	52
Zinc, Zn	mg/kg	0.50	78	270	320	60	17	43

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.049	25/11/2013 SE122980.050	25/11/2013 SE122980.051	25/11/2013 SE122980.052	25/11/2013 SE122980.053	25/11/2013 SE122980.054
Arsenic, As	mg/kg	3.0	5	5	5	4	3	5
Cadmium, Cd	mg/kg	0.30	<0.3	<0.3	<0.3	0.8	0.6	<0.3
Chromium, Cr	mg/kg	0.30	16	14	13	19	14	13
Copper, Cu	mg/kg	0.50	84	5.7	26	84	38	13
Lead, Pb	mg/kg	1.0	80	57	250	88	94	120
Nickel, Ni	mg/kg	0.50	3.1	2.0	6.9	24	5.8	3.7
Zinc, Zn	mg/kg	0.50	75	17	94	200	140	110

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.055	25/11/2013 SE122980.056	25/11/2013 SE122980.057	25/11/2013 SE122980.058	25/11/2013 SE122980.059	25/11/2013 SE122980.060
Arsenic, As	mg/kg	3.0	<3	6	7	6	7	8
Cadmium, Cd	mg/kg	0.30	<0.3	<0.3	<0.3	0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.30	9.2	15	15	14	16	23
Copper, Cu	mg/kg	0.50	3.3	20	18	20	4.6	14
Lead, Pb	mg/kg	1.0	14	240	37	58	19	56
Nickel, Ni	mg/kg	0.50	0.8	9.0	30	16	1.4	5.0
Zinc, Zn	mg/kg	0.50	71	160	47	59	15	35

Total Recoverable Metals in Soil by ICPOES from EPA 200.8 Digest [AN040/AN320] (continued)

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2
			SOIL 25/11/2013 SE122980.061	SOIL 25/11/2013 SE122980.062	SOIL 25/11/2013 SE122980.063	SOIL 25/11/2013 SE122980.064
Arsenic, As	mg/kg	3.0	7	3	6	6
Cadmium, Cd	mg/kg	0.30	0.4	<0.3	0.4	<0.3
Chromium, Cr	mg/kg	0.30	14	6.2	12	14
Copper, Cu	mg/kg	0.50	81	2.7	35	4.9
Lead, Pb	mg/kg	1.0	180	15	44	16
Nickel, Ni	mg/kg	0.50	14	4.8	16	1.4
Zinc, Zn	mg/kg	0.50	460	3.8	380	5.5

Mercury in Soil [AN312]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.001	20/11/2013 SE122980.002	15/11/2013 SE122980.003	15/11/2013 SE122980.004	20/11/2013 SE122980.005	20/11/2013 SE122980.006
Mercury	mg/kg	0.010	<0.01	0.04	0.03	0.02	0.04	0.06

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.007	21/11/2013 SE122980.008	15/11/2013 SE122980.009	15/11/2013 SE122980.010	21/11/2013 SE122980.011	21/11/2013 SE122980.012
Mercury	mg/kg	0.010	0.02	0.01	0.17	0.08	<0.01	<0.01

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.013	21/11/2013 SE122980.014	21/11/2013 SE122980.015	21/11/2013 SE122980.016	21/11/2013 SE122980.017	21/11/2013 SE122980.018
Mercury	mg/kg	0.010	<0.01	<0.01	0.02	0.22	<0.01	0.03

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.019	21/11/2013 SE122980.020	26/11/2013 SE122980.021	26/11/2013 SE122980.022	26/11/2013 SE122980.023	26/11/2013 SE122980.024
Mercury	mg/kg	0.010	<0.01	<0.01	0.04	0.08	0.05	0.05

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			26/11/2013 SE122980.025	26/11/2013 SE122980.026	26/11/2013 SE122980.027	26/11/2013 SE122980.028	26/11/2013 SE122980.029	26/11/2013 SE122980.030
Mercury	mg/kg	0.010	0.03	0.11	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			28/11/2013 SE122980.031	28/11/2013 SE122980.032	28/11/2013 SE122980.033	28/11/2013 SE122980.034	22/11/2013 SE122980.035	22/11/2013 SE122980.036
Mercury	mg/kg	0.010	0.02	0.01	0.04	<0.01	<0.01	0.02

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.037	22/11/2013 SE122980.038	22/11/2013 SE122980.039	22/11/2013 SE122980.040	22/11/2013 SE122980.041	22/11/2013 SE122980.042
Mercury	mg/kg	0.010	0.15	0.14	<0.01	0.01	0.03	0.32

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.043	22/11/2013 SE122980.044	22/11/2013 SE122980.045	22/11/2013 SE122980.046	25/11/2013 SE122980.047	25/11/2013 SE122980.048
Mercury	mg/kg	0.010	0.09	0.21	0.14	<0.01	<0.01	<0.01

Mercury in Soil [AN312] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.049	25/11/2013 SE122980.050	25/11/2013 SE122980.051	25/11/2013 SE122980.052	25/11/2013 SE122980.053	25/11/2013 SE122980.054
Mercury	mg/kg	0.010	0.11	0.05	0.03	0.03	0.20	0.06

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.055	25/11/2013 SE122980.056	25/11/2013 SE122980.057	25/11/2013 SE122980.058	25/11/2013 SE122980.059	25/11/2013 SE122980.060
Mercury	mg/kg	0.010	0.09	0.07	0.02	0.06	<0.01	1.8

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2
			SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.061	25/11/2013 SE122980.062	25/11/2013 SE122980.063	25/11/2013 SE122980.064
Mercury	mg/kg	0.010	0.12	<0.01	0.03	<0.01

Fibre Identification in soil [AN602]

PARAMETER	UOM	LOR	BH1-1_ZLB	BH2-1_ZLB	BH3-1_ZLB	BH3-2_ZLB	BH4-1_ZLB	BH5-1_ZLB
			SOIL 21/11/2013 SE122980.068	SOIL 20/11/2013 SE122980.070	SOIL 15/11/2013 SE122980.071	SOIL 15/11/2013 SE122980.072	SOIL 20/11/2013 SE122980.073	SOIL 20/11/2013 SE122980.074
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH6-1_ZLB	BH6-2_ZLB	BH7-1_ZLB	BH7-2_ZLB	BH201-1_ZLB	BH202-1_ZLB
			SOIL 21/11/2013 SE122980.075	SOIL 21/11/2013 SE122980.076	SOIL 15/11/2013 SE122980.077	SOIL 15/11/2013 SE122980.078	SOIL 21/11/2013 SE122980.079	SOIL 21/11/2013 SE122980.080
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH203-1_ZLB	BH204-1_ZLB	BH205-1_ZLB	BH206-1_ZLB	BH207-1_ZLB	BH208-1_ZLB
			SOIL 21/11/2013 SE122980.081	SOIL 21/11/2013 SE122980.082	SOIL 21/11/2013 SE122980.083	SOIL 21/11/2013 SE122980.084	SOIL 21/11/2013 SE122980.085	SOIL 21/11/2013 SE122980.086
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH209-1_ZLB	BH210-1_ZLB	BH211-1_ZLB	BH212-1_ZLB	BH213-1_ZLB	BH214-1_ZLB
			SOIL 21/11/2013 SE122980.087	SOIL 21/11/2013 SE122980.088	SOIL 26/11/2013 SE122980.089	SOIL 26/11/2013 SE122980.090	SOIL 26/11/2013 SE122980.091	SOIL 26/11/2013 SE122980.092
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH215-1_ZLB	BH216-1_ZLB	BH217-1_ZLB	BH218-1_ZLB	BH219-1_ZLB	BH220-1_ZLB
			SOIL 26/11/2013 SE122980.093	SOIL 26/11/2013 SE122980.094	SOIL 26/11/2013 SE122980.095	SOIL 26/11/2013 SE122980.096	SOIL 26/11/2013 SE122980.097	SOIL 26/11/2013 SE122980.098
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH221-1_ZLB	BH222-1_ZLB	BH223-1_ZLB	BH224-1_ZLB	BH301-1_ZLB	BH302-1_ZLB
			SOIL 28/11/2013 SE122980.099	SOIL 28/11/2013 SE122980.100	SOIL 28/11/2013 SE122980.101	SOIL 28/11/2013 SE122980.102	SOIL 22/11/2013 SE122980.103	SOIL 22/11/2013 SE122980.104
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH303-1_ZLB	BH304-1_ZLB	BH305-1_ZLB	BH306-1_ZLB	BH307-1_ZLB	BH308-1_ZLB
			SOIL 22/11/2013 SE122980.105	SOIL 22/11/2013 SE122980.106	SOIL 22/11/2013 SE122980.107	SOIL 22/11/2013 SE122980.108	SOIL 22/11/2013 SE122980.109	SOIL 22/11/2013 SE122980.110
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH309-1_ZLB	BH310-1_ZLB	BH311-1_ZLB	BH312-1_ZLB	BH313-1_ZLB	BH314-1_ZLB
			SOIL 22/11/2013 SE122980.111	SOIL 22/11/2013 SE122980.112	SOIL 25/11/2013 SE122980.113	SOIL 25/11/2013 SE122980.114	SOIL 25/11/2013 SE122980.115	SOIL 25/11/2013 SE122980.116
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Fibre Identification in soil [AN602] (continued)

PARAMETER	UOM	LOR	BH315-1_ZLB	BH316-1_ZLB	BH317-1_ZLB	BH318-1_ZLB	BH319-1_ZLB	BH320-1_ZLB
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.117	25/11/2013 SE122980.118	25/11/2013 SE122980.119	25/11/2013 SE122980.120	25/11/2013 SE122980.121	25/11/2013 SE122980.122
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH321-1_ZLB	BH322-1_ZLB	BH323-1_ZLB	BH324-1_ZLB	BH325-1_ZLB	BH326-1_ZLB
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.123	25/11/2013 SE122980.124	25/11/2013 SE122980.125	25/11/2013 SE122980.126	25/11/2013 SE122980.127	25/11/2013 SE122980.128
Asbestos Detected	No unit	-	No	No	No	No	No	No
Estimated Fibres	%w/w	0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Moisture Content [AN002]

PARAMETER	UOM	LOR	BH1-1	BH2-1	BH3-1	BH3-2	BH4-1	BH5-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.001	20/11/2013 SE122980.002	15/11/2013 SE122980.003	15/11/2013 SE122980.004	20/11/2013 SE122980.005	20/11/2013 SE122980.006
% Moisture	%	0.50	12.4	8.1	21.1	6.8	11.8	13.0

PARAMETER	UOM	LOR	BH6-1	BH6-2	BH7-1	BH7-2	BH201-1	BH202-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.007	21/11/2013 SE122980.008	15/11/2013 SE122980.009	15/11/2013 SE122980.010	21/11/2013 SE122980.011	21/11/2013 SE122980.012
% Moisture	%	0.50	8.5	10.2	6.6	7.1	2.8	7.0

PARAMETER	UOM	LOR	BH203-1	BH204-1	BH205-1	BH206-1	BH207-1	BH208-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.013	21/11/2013 SE122980.014	21/11/2013 SE122980.015	21/11/2013 SE122980.016	21/11/2013 SE122980.017	21/11/2013 SE122980.018
% Moisture	%	0.50	3.3	2.2	7.9	13.0	7.8	12.9

PARAMETER	UOM	LOR	BH209-1	BH210-1	BH211-1	BH212-1	BH213-1	BH214-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980.019	21/11/2013 SE122980.020	26/11/2013 SE122980.021	26/11/2013 SE122980.022	26/11/2013 SE122980.023	26/11/2013 SE122980.024
% Moisture	%	0.50	15.2	8.7	23.0	9.1	10.4	12.9

PARAMETER	UOM	LOR	BH215-1	BH216-1	BH217-1	BH218-1	BH219-1	BH220-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			26/11/2013 SE122980.025	26/11/2013 SE122980.026	26/11/2013 SE122980.027	26/11/2013 SE122980.028	26/11/2013 SE122980.029	26/11/2013 SE122980.030
% Moisture	%	0.50	11.0	14.6	5.2	4.4	4.1	4.8

PARAMETER	UOM	LOR	BH221-1	BH222-1	BH223-1	BH224-1	BH301-1	BH302-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			28/11/2013 SE122980.031	28/11/2013 SE122980.032	28/11/2013 SE122980.033	28/11/2013 SE122980.034	22/11/2013 SE122980.035	22/11/2013 SE122980.036
% Moisture	%	0.50	15.2	18.9	21.9	15.5	9.9	15.4

PARAMETER	UOM	LOR	BH303-1	BH304-1	BH305-1	BH305-2	BH306-1	BH306-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.037	22/11/2013 SE122980.038	22/11/2013 SE122980.039	22/11/2013 SE122980.040	22/11/2013 SE122980.041	22/11/2013 SE122980.042
% Moisture	%	0.50	14.8	13.9	14.3	23.7	6.8	19.8

PARAMETER	UOM	LOR	BH307-1	BH308-1	BH309-1	BH310-1	BH311-1	BH312-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980.043	22/11/2013 SE122980.044	22/11/2013 SE122980.045	22/11/2013 SE122980.046	25/11/2013 SE122980.047	25/11/2013 SE122980.048
% Moisture	%	0.50	21.0	19.0	14.6	14.5	14.2	15.7

Moisture Content [AN002] (continued)

PARAMETER	UOM	LOR	BH313-1	BH314-1	BH315-1	BH316-1	BH317-1	BH318-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.049	25/11/2013 SE122980.050	25/11/2013 SE122980.051	25/11/2013 SE122980.052	25/11/2013 SE122980.053	25/11/2013 SE122980.054
% Moisture	%	0.50	12.9	13.5	16.7	13.5	24.3	14.7

PARAMETER	UOM	LOR	BH319-1	BH320-1	BH321-1	BH322-1	BH323-1	BH324-1
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.055	25/11/2013 SE122980.056	25/11/2013 SE122980.057	25/11/2013 SE122980.058	25/11/2013 SE122980.059	25/11/2013 SE122980.060
% Moisture	%	0.50	10.2	17.2	9.5	7.5	12.2	18.0

PARAMETER	UOM	LOR	BH325-1	BH326-1	B1	B2	BH305-3
			SOIL	SOIL	SOIL	SOIL	SOIL
			25/11/2013 SE122980.061	25/11/2013 SE122980.062	25/11/2013 SE122980.063	25/11/2013 SE122980.064	22/11/2013 SE122980.129
% Moisture	%	0.50	15.6	10.9	17.3	18.9	13.8

VOCs in Water [AN433/AN434]

PARAMETER	UOM	LOR	R1	TB
			WATER 28/11/2013 SE122980.065	WATER 28/11/2013 SE122980.066
Benzene	µg/L	0.50	<0.5	<0.5
Toluene	µg/L	0.50	<0.5	<0.5
Ethylbenzene	µg/L	0.50	<0.5	<0.5
m/p-xylene	µg/L	1.0	<1	<1
o-xylene	µg/L	0.50	<0.5	<0.5
Naphthalene	µg/L	0.50	<0.5	<0.5
Total Xylenes	µg/L	1.50	<1.5	<1.5
Total BTEX	µg/L	3.0	<3	<3



ANALYTICAL RESULTS

SE122980 R0

Volatile Petroleum Hydrocarbons in Water [AN433/AN434/AN410]

			R1
			WATER
			28/11/2013
			SE122980.065
PARAMETER	UOM	LOR	
Benzene (F0)	µg/L	0.50	<0.5
TRH C6-C9	µg/L	40	<40
TRH C6-C10	µg/L	50	<50
TRH C6-C10 minus BTEX (F1)	µg/L	50	<50

TRH (Total Recoverable Hydrocarbons) in Water [AN403]

			R1
			WATER
			28/11/2013
			SE122980.065
PARAMETER	UOM	LOR	
TRH C10-C14	µg/L	50	<50
TRH C15-C28	µg/L	200	<200
TRH C29-C36	µg/L	200	<200
TRH C37-C40	µg/L	200	<200
TRH >C10-C16 (F2)	µg/L	60	<60
TRH >C16-C34 (F3)	µg/L	500	<500
TRH >C34-C40 (F4)	µg/L	500	<500
TRH C10-C36	µg/L	450	<450
TRH C10-C40	µg/L	650	<650

Trace Metals (Dissolved) in Water by ICPMS [AN318]

			R1
			WATER
			28/11/2013
			SE122980.065
PARAMETER	UOM	LOR	
Arsenic, As	µg/L	1.0	<1
Cadmium, Cd	µg/L	0.10	<0.1
Copper, Cu	µg/L	1.0	52
Chromium, Cr	µg/L	1.0	<1
Lead, Pb	µg/L	1.0	<1
Nickel, Ni	µg/L	1.0	<1
Zinc, Zn	µg/L	5.0	11



ANALYTICAL RESULTS

SE122980 R0

Mercury (dissolved) in Water [AN311/AN312]

			R1
			WATER
			28/11/2013
			SE122980.065
PARAMETER	UOM	LOR	
Mercury	mg/L	0.00010	<0.0001

METHOD

METHODOLOGY SUMMARY

AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN083	Separatory funnels are used for aqueous samples and extracted by transferring an appropriate volume (mass) of liquid into a separatory funnel and adding 3 serial aliquots of dichloromethane. Samples receive a single extraction at pH 7 to recover base / neutral analytes and two extractions at pH < 2 to recover acidic analytes. QC samples are prepared by spiking organic free water with target analytes and extracting as per samples.
AN088	Orbital rolling for Organic pollutants are extracted from soil/sediment by transferring an appropriate mass of sample to a clear soil jar and extracting with 1:1 Dichloromethane/Acetone. Orbital Rolling method is intended for the extraction of semi-volatile organic compounds from soil/sediment samples, and is based somewhat on USEPA method 3570 (Micro Organic extraction and sample preparation). Method 3700.
AN311/AN312	Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN318	Determination of elements at trace level in waters by ICP-MS technique, in accordance with USEPA 6020A.
AN400	OC and OP Pesticides by GC-ECD: The determination of organochlorine (OC) and organophosphorus (OP) pesticides and polychlorinated biphenyls (PCBs) in soils, sludges and groundwater. (Based on USEPA methods 3510, 3550, 8140 and 8080.)
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the Draft NEPM 2011, >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is not corrected for Naphthalene.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433/AN434	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC's are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN433/AN434/AN410	VOCs and C6-C9/C6-C10 Hydrocarbons by GC-MS P&T: VOC's are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN602	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic 'clues', which provide a reasonable degree of certainty, dispersion staining is a mandatory 'clue' for positive identification. If sufficient 'clues' are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.

FOOTNOTES

*	Analysis not covered by the scope of accreditation.	-	Not analysed.	UOM	Unit of Measure.
**	Indicative data, theoretical holding time exceeded.	NVL	Not validated.	LOR	Limit of Reporting.
		IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
^	Performed by outside laboratory.	LNR	Sample listed, but not received.		

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

Some totals may not appear to add up because the total is rounded after adding up the raw values.

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.sgs.com.au/pv.sgs/v3/~media/Local/Australia/Documents/Technical%20Documents/MP-AU-ENV-QU-022%20QA%20QC%20Plan.pdf>

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Project **E2008 - Sheperds Bay Urban - Meadowbank**
 Order Number (Not specified)
 Samples 143
 Date Received 4/12/2013

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SGS Reference **SE122980A R0**
 Report Number 0000072283
 Date Reported 18/12/2013

COMMENTS

Accredited for compliance with ISO/IEC 17025. NATA accredited laboratory 2562(4354).

SIGNATORIES



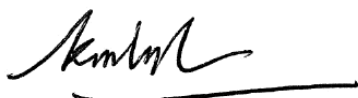
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Metals/Inorganics Team Leader



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Ly Kim Ha
Organic Section Head



ANALYTICAL RESULTS

SE122980A R0

Volatile Petroleum Hydrocarbons in Soil [AN433/AN434/AN410]

			BH203-2
			SOIL
			21/11/2013
			SE122980A.132
PARAMETER	UOM	LOR	
Benzene (F0)	mg/kg	0.10	<0.1
TRH C6-C9	mg/kg	20	<20
TRH C6-C10	mg/kg	25.0	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25.0	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403]

PARAMETER	UOM	LOR	BH223-2	BH203-2	BH205-2	BH7-3	BH325-2
			SOIL 28/11/2013 SE122980A.131	SOIL 21/11/2013 SE122980A.132	SOIL 21/11/2013 SE122980A.133	SOIL 15/11/2013 SE122980A.134	SOIL 25/11/2013 SE122980A.135
TRH C10-C14	mg/kg	20	57	<20	<20	<20	<20
TRH C15-C28	mg/kg	45.0	180	<45	<45	78	<45
TRH C29-C36	mg/kg	45.0	<45	<45	<45	55	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25.0	100	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	140	<90	<90	130	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	240	<110	<110	130	<110
TRH C10-C40 Total	mg/kg	210	240	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420]

PARAMETER	UOM	LOR	BH223-2	BH205-2	BH7-3	BH325-2	BH304-2	BH307-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			28/11/2013 SE122980A.131	21/11/2013 SE122980A.133	15/11/2013 SE122980A.134	25/11/2013 SE122980A.135	22/11/2013 SE122980A.136	22/11/2013 SE122980A.137
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	0.1	0.3	<0.1	<0.1

PARAMETER	UOM	LOR	BH309-2	BH315-2	BH316-2	BH318-2	BH320-2	BH326-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980A.138	25/11/2013 SE122980A.139	25/11/2013 SE122980A.140	25/11/2013 SE122980A.141	25/11/2013 SE122980A.142	25/11/2013 SE122980A.143
Naphthalene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1



ANALYTICAL RESULTS

SE122980A R0

pH in soil (1:5) [AN101]

			BH308-1	BH208-2
			SOIL	SOIL
			22/11/2013	21/11/2013
PARAMETER	UOM	LOR	SE122980A.044	SE122980A.130
pH	pH Units	-	8.8	6.7

Exchangeable Cations and Cation Exchange Capacity (CEC/ESP/SAR) [AN122]

PARAMETER	UOM	LOR	BH308-1	BH208-2
			SOIL 22/11/2013 SE122980A.044	SOIL 21/11/2013 SE122980A.130
Exchangeable Sodium, Na	mg/kg	2.0	430	15
Exchangeable Sodium, Na	meq/100g	0.010	1.9	0.06
Exchangeable Sodium Percentage*	%	0.10	6.2	1.5
Exchangeable Potassium, K	mg/kg	2.0	98	30
Exchangeable Potassium, K	meq/100g	0.010	0.25	0.08
Exchangeable Potassium	%	0.10	0.8	1.9
Exchangeable Calcium, Ca	mg/kg	2.0	5200	740
Exchangeable Calcium, Ca	meq/100g	0.010	26	3.7
Exchangeable Calcium Percentage*	%	0.10	86.1	88.6
Exchangeable Magnesium, Mg	mg/kg	2.0	250	41
Exchangeable Magnesium, Mg	meq/100g	0.020	2.1	0.34
Exchangeable Magnesium	%	0.10	6.9	8.0
Cation Exchange Capacity	meq/100g	0.020	30	4.2



ANALYTICAL RESULTS

SE122980A R0

Total Recoverable Metals in Soil by ICPOES from EPA 200.8 Digest [AN040/AN320]

			BH208-2
			SOIL
			21/11/2013
			SE122980A.130
PARAMETER	UOM	LOR	
Arsenic, As	mg/kg	3.0	3
Cadmium, Cd	mg/kg	0.30	<0.3
Chromium, Cr	mg/kg	0.30	23
Copper, Cu	mg/kg	0.50	1.6
Lead, Pb	mg/kg	1.0	5
Nickel, Ni	mg/kg	0.50	7.6
Zinc, Zn	mg/kg	0.50	150



ANALYTICAL RESULTS

SE122980A R0

Mercury in Soil [AN312]

			BH208-2
			SOIL
			21/11/2013
			SE122980A.130
PARAMETER	UOM	LOR	
Mercury	mg/kg	0.010	0.01

Moisture Content [AN002]

PARAMETER	UOM	LOR	BH208-2	BH223-2	BH203-2	BH205-2	BH7-3	BH325-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			21/11/2013 SE122980A.130	28/11/2013 SE122980A.131	21/11/2013 SE122980A.132	21/11/2013 SE122980A.133	15/11/2013 SE122980A.134	25/11/2013 SE122980A.135
% Moisture	%	0.50	14.9	8.4	5.9	5.6	16.8	17.4

PARAMETER	UOM	LOR	BH304-2	BH307-2	BH309-2	BH315-2	BH316-2	BH318-2
			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			22/11/2013 SE122980A.136	22/11/2013 SE122980A.137	22/11/2013 SE122980A.138	25/11/2013 SE122980A.139	25/11/2013 SE122980A.140	25/11/2013 SE122980A.141
% Moisture	%	0.50	12.5	22.1	4.7	19.4	19.8	19.5

PARAMETER	UOM	LOR	BH320-2	BH326-2
			SOIL	SOIL
			25/11/2013 SE122980A.142	25/11/2013 SE122980A.143
% Moisture	%	0.50	10.8	19.2

METHOD

METHODOLOGY SUMMARY

AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN088	Orbital rolling for Organic pollutants are extracted from soil/sediment by transferring an appropriate mass of sample to a clear soil jar and extracting with 1:1 Dichloromethane/Acetone. Orbital Rolling method is intended for the extraction of semi-volatile organic compounds from soil/sediment samples, and is based somewhat on USEPA method 3570 (Micro Organic extraction and sample preparation). Method 3700.
AN101	pH in Soil Sludge Sediment and Water: pH is measured electrometrically using a combination electrode (glass plus reference electrode) and is calibrated against 3 buffers purchased commercially. For soils, an extract with water (or 0.01M CaCl ₂) is made at a ratio of 1:5 and the pH determined and reported on the extract. Reference APHA 4500-H ⁺ .
AN122	Exchangeable Cations, CEC and ESP: Soil sample is extracted in 1M Ammonium Acetate at pH=7 (or 1M Ammonium Chloride at pH=7) with cations (Na, K, Ca & Mg) then determined by ICP OES/ICP MS and reported as Exchangeable Cations. For saline soils, these results can be corrected for water soluble cations and reported as Exchangeable cations in meq/100g or soil can be pretreated (aqueous ethanol/aqueous glycerol) prior to extraction. Cation Exchange Capacity (CEC) is the sum of the exchangeable cations in meq/100g.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the Draft NEPM 2011, >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is not corrected for Naphthalene.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433/AN434/AN410	VOCs and C6-C9/C6-C10 Hydrocarbons by GC-MS P&T: VOC's are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

FOOTNOTES

*	Analysis not covered by the scope of accreditation.	-	Not analysed.	UOM	Unit of Measure.
**	Indicative data, theoretical holding time exceeded.	NVL	Not validated.	LOR	Limit of Reporting.
		IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
^	Performed by outside laboratory.	LNR	Sample listed, but not received.		

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

Some totals may not appear to add up because the total is rounded after adding up the raw values.

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.sgs.com.au.pv.sgs.v3/~media/Local/Australia/Documents/Technical%20Documents/MP-AU-ENV-QU-022%20QA%20QC%20Plan.pdf>

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/en/Terms-and-Conditions/General-Conditions-of-Services-English.aspx>. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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CERTIFICATE OF ANALYSIS

101722

Client:

Environmental Investigations

17/1A Coulson St
Erskineville
NSW 2043

Attention: E Short

Sample log in details:

Your Reference:

E2008, Meadowbank

No. of samples:

2 Soils

Date samples received / completed instructions received

03/12/2013 / 03/12/2013

Analysis Details:

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by: / Issue Date:

10/12/13 / 6/12/13

Date of Preliminary Report:

Not issued

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Accredited for compliance with ISO/IEC 17025.

Tests not covered by NATA are denoted with *.

Results Approved By:



Jacinta Hurst
Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil			
Our Reference:	UNITS	101722-1	101722-2
Your Reference	-----	I1	I2
Date Sampled	-----	21/11/2013	22/11/2013
Type of sample		Soil	Soil
Date extracted	-	04/12/2013	04/12/2013
Date analysed	-	05/12/2013	05/12/2013
TRHC ₆ - C ₉	mg/kg	<25	<25
TRHC ₆ - C ₁₀	mg/kg	<25	<25
vTPHC ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
naphthalene	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	94	98

svTRH (C10-C40) in Soil			
Our Reference:	UNITS	101722-1	101722-2
Your Reference	-----	I1	I2
Date Sampled	-----	21/11/2013	22/11/2013
Type of sample		Soil	Soil
Date extracted	-	04/12/2013	04/12/2013
Date analysed	-	05/12/2013	05/12/2013
TRHC ₁₀ - C ₁₄	mg/kg	<50	<50
TRHC ₁₅ - C ₂₈	mg/kg	<100	<100
TRHC ₂₉ - C ₃₆	mg/kg	<100	<100
TRH>C ₁₀ -C ₁₆	mg/kg	<50	<50
TRH>C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50
TRH>C ₁₆ -C ₃₄	mg/kg	<100	<100
TRH>C ₃₄ -C ₄₀	mg/kg	<100	<100
Surrogate o-Terphenyl	%	86	84

Acid Extractable metals in soil			
Our Reference:	UNITS	101722-1	101722-2
Your Reference	-----	I1	I2
Date Sampled	-----	21/11/2013	22/11/2013
Type of sample		Soil	Soil
Date digested	-	04/12/2013	04/12/2013
Date analysed	-	05/12/2013	05/12/2013
Arsenic	mg/kg	6	8
Cadmium	mg/kg	0.5	<0.4
Chromium	mg/kg	15	21
Copper	mg/kg	33	7
Lead	mg/kg	47	17
Mercury	mg/kg	<0.1	<0.1
Nickel	mg/kg	12	2
Zinc	mg/kg	240	5

Moisture			
Our Reference:	UNITS	101722-1	101722-2
Your Reference	-----	I1	I2
Date Sampled	-----	21/11/2013	22/11/2013
Type of sample		Soil	Soil
Date prepared	-	04/12/2013	04/12/2013
Date analysed	-	05/12/2013	05/12/2013
Moisture	%	13	16

Method ID	Methodology Summary
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note Naphthalene is determined from the VOC analysis.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Metals-021 CV-AAS	Determination of Mercury by Cold Vapour AAS.
Inorg-008	Moisture content determined by heating at 105+/-5 deg C for a minimum of 12 hours.

Client Reference: E2008, Meadowbank

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
vTRH(C6-C10)/BTEXN in Soil						Base II Duplicate II %RPD		
Date extracted	-			04/12/2013	[NT]	[NT]	LCS-5	04/12/2013
Date analysed	-			04/12/2013	[NT]	[NT]	LCS-5	05/12/2013
TRHC ₆ - C ₉	mg/kg	25	Org-016	<25	[NT]	[NT]	LCS-5	105%
TRHC ₆ - C ₁₀	mg/kg	25	Org-016	<25	[NT]	[NT]	LCS-5	105%
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]	[NT]	LCS-5	96%
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]	[NT]	LCS-5	89%
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]	[NT]	LCS-5	111%
m+p-xylene	mg/kg	2	Org-016	<2	[NT]	[NT]	LCS-5	114%
o-Xylene	mg/kg	1	Org-016	<1	[NT]	[NT]	LCS-5	113%
naphthalene	mg/kg	1	Org-014	<1	[NT]	[NT]	[NR]	[NR]
Surrogate aaa-Trifluorotoluene	%		Org-016	97	[NT]	[NT]	LCS-5	96%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
svTRH (C10-C40) in Soil						Base II Duplicate II %RPD		
Date extracted	-			04/12/2013	[NT]	[NT]	LCS-3	04/12/2013
Date analysed	-			05/12/2013	[NT]	[NT]	LCS-3	05/12/2013
TRHC ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	[NT]	[NT]	LCS-3	106%
TRHC ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-3	97%
TRHC ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-3	134%
TRH>C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	[NT]	[NT]	LCS-3	106%
TRH>C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-3	97%
TRH>C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-3	134%
Surrogate o-Terphenyl	%		Org-003	86	[NT]	[NT]	LCS-3	73%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
Acid Extractable metals in soil						Base II Duplicate II %RPD		
Date digested	-			04/12/2013	[NT]	[NT]	LCS-5	04/12/2013
Date analysed	-			05/12/2013	[NT]	[NT]	LCS-5	05/12/2013
Arsenic	mg/kg	4	Metals-020 ICP-AES	<4	[NT]	[NT]	LCS-5	97%
Cadmium	mg/kg	0.4	Metals-020 ICP-AES	<0.4	[NT]	[NT]	LCS-5	104%
Chromium	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-5	101%
Copper	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-5	100%
Lead	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-5	100%
Mercury	mg/kg	0.1	Metals-021 CV-AAS	<0.1	[NT]	[NT]	LCS-5	91%

Client Reference: E2008, Meadowbank

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
Acid Extractable metals in soil						Base II Duplicate II %RPD		
Nickel	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-5	100%
Zinc	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-5	101%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank				
Moisture								
Date prepared	-			[NT]				
Date analysed	-			[NT]				
Moisture	%	0.1	Inorg-008	[NT]				

Report Comments:

Asbestos ID was analysed by Approved Identifier: Not applicable for this job
 Asbestos ID was authorised by Approved Signatory: Not applicable for this job

INS: Insufficient sample for this test	PQL: Practical Quantitation Limit	NT: Not tested
NA: Test not required	RPD: Relative Percent Difference	NA: Test not required
<: Less than	>: Greater than	LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.