



CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National Phone number 1300 42 43 44

22286

Client:	<u>DUA</u>
Contact Person:	<u>Lovetta</u>
Project Mgr:	
Sampler:	
Address:	
Phone:	
Fax:	
Email:	

Client Project Name / Number / Site etc (ie report title):
DC3724 - Auburn

PO No.:
Envirolab Quote No.:
Date results required:

Or choose: standard / same day / 1 day / 2 day / 3 day
Note: Inform lab in advance if urgent turnaround is required - surcharges apply

Lab comments:

Sample information					Tests Required															
Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample																
1	0611-1.4b	1.4	9/11	soil	XXX Combo 3															
2	0611-0.5b	0.5	9/11	soil																
3	0611-0.5b	0.5	10/11	soil																
4/5	Ta1/B																			
					Envirolab Seal 12 Ashley St Chatswood NSW 2057 Ph: (02) 9910 6200 Job No: 137301 Date Received: 12-11-15 Time Received: 1430 Received by: CB Temp: cool Ambient Cooling: ice/cool pack Security: intact Broken/None															

Relinquished by (company):	<u>DUA</u>
Print Name:	<u>ASHLEIGH PICKERING</u>
Date & Time:	<u>12/11/15</u>
Signature:	<u>[Signature]</u>

Received by (company): ELCS

Print Name: CALUM BONSER

Date & Time: 1430 12-11-15

Signature: CB

Lab use only:

Samples Received: Cool or Ambient (circle one)

Temperature Received at: 9.6 (if applicable)

Transported by: Hand delivered / courier



12 Ashley Street, Chatswood, NSW 2067
tel: +61 2 9910 6200

email: sydney@envirolab.com.au
envirolab.com.au

Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

CERTIFICATE OF ANALYSIS

137596

Client:

DLA Environmental Services Pty Ltd
Unit 3, 38 Leighton Pl
Hornsby
NSW 2077

Attention: Loretta

Sample log in details:

Your Reference:	<u>DL3724</u>
No. of samples:	5 waters
Date samples received / completed instructions received	18/11/15 / 18/11/15

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:	23/11/15 / 23/11/15
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

Envirolab Reference: 137596
Revision No: R 00



vTRH(C6-C10)/BTEXN in Water						
Our Reference:	UNITS	137596-1	137596-2	137596-3	137596-4	137596-5
Your Reference	-----	MW1	MW2	MW2-A	TS	TB
Date Sampled	-----	18/11/2015	18/11/2015	18/11/2015	18/11/2015	18/11/2015
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	19/11/2015	19/11/2015	19/11/2015	19/11/2015	19/11/2015
Date analysed	-	20/11/2015	20/11/2015	20/11/2015	20/11/2015	20/11/2015
TRHC ₆ - C ₉	µg/L	<10	<10	<10	[NA]	<10
TRHC ₆ - C ₁₀	µg/L	<10	<10	<10	[NA]	<10
TRHC ₆ - C ₁₀ less BTEX (F1)	µg/L	<10	<10	<10	[NA]	<10
Benzene	µg/L	<1	<1	<1	88%	<1
Toluene	µg/L	<1	<1	<1	92%	<1
Ethylbenzene	µg/L	<1	<1	<1	91%	<1
m+p-xylene	µg/L	<2	<2	<2	93%	<2
o-xylene	µg/L	<1	<1	<1	95%	<1
Naphthalene	µg/L	<1	<1	<1	[NA]	<1
Surrogate Dibromofluoromethane	%	101	103	103	100	103
Surrogate toluene-d8	%	101	100	100	100	100
Surrogate 4-BFB	%	99	99	99	102	100

svTRH (C10-C40) in Water Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	137596-1 MW1 18/11/2015 Water	137596-2 MW2 18/11/2015 Water	137596-3 MW2-A 18/11/2015 Water
Date extracted	-	19/11/2015	19/11/2015	19/11/2015
Date analysed	-	19/11/2015	19/11/2015	19/11/2015
TRHC ₁₀ - C ₁₄	µg/L	<50	<50	<50
TRHC ₁₅ - C ₂₈	µg/L	<100	<100	<100
TRHC ₂₉ - C ₃₆	µg/L	<100	<100	<100
TRH>C ₁₀ - C ₁₆	µg/L	<50	<50	<50
TRH>C ₁₀ - C ₁₆ less Naphthalene (F2)	µg/L	<50	<50	<50
TRH>C ₁₆ - C ₃₄	µg/L	<100	<100	<100
TRH>C ₃₄ - C ₄₀	µg/L	<100	<100	<100
Surrogate o-Terphenyl	%	109	90	96

PAHs in Water Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	137596-1 MW1 18/11/2015 Water	137596-2 MW2 18/11/2015 Water	137596-3 MW2-A 18/11/2015 Water
Date extracted	-	19/11/2015	19/11/2015	19/11/2015
Date analysed	-	20/11/2015	20/11/2015	20/11/2015
Naphthalene	µg/L	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1
Fluorene	µg/L	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1
Anthracene	µg/L	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1
Pyrene	µg/L	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1
Chrysene	µg/L	<1	<1	<1
Benzo(b,j,k)fluoranthene	µg/L	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5
Total +ve PAH's	µg/L	NIL(+)VE	NIL(+)VE	NIL(+)VE
Surrogate <i>p</i> -Terphenyl-d14	%	120	118	114

Client Reference: DL3724

HM in water - dissolved				
Our Reference:	UNITS	137596-1	137596-2	137596-3
Your Reference	-----	MW1	MW2	MW2-A
Date Sampled	-----	18/11/2015	18/11/2015	18/11/2015
Type of sample		Water	Water	Water
Date prepared	-	19/11/2015	19/11/2015	19/11/2015
Date analysed	-	19/11/2015	19/11/2015	19/11/2015
Arsenic-Dissolved	µg/L	1	<1	<1
Cadmium-Dissolved	µg/L	<0.1	<0.1	<0.1
Chromium-Dissolved	µg/L	<1	<1	<1
Copper-Dissolved	µg/L	2	<1	<1
Lead-Dissolved	µg/L	<1	<1	<1
Mercury-Dissolved	µg/L	<0.05	<0.05	<0.05
Nickel-Dissolved	µg/L	8	18	17
Zinc-Dissolved	µg/L	11	12	12

Miscellaneous Inorganics				
Our Reference:	UNITS	137596-1	137596-2	137596-3
Your Reference	-----	MW1	MW2	MW2-A
Date Sampled	-----	18/11/2015	18/11/2015	18/11/2015
Type of sample		Water	Water	Water
Date prepared	-	18/11/2015	18/11/2015	18/11/2015
Date analysed	-	18/11/2015	18/11/2015	18/11/2015
pH	pH Units	6.4	7.1	7.6
Electrical Conductivity	µS/cm	1,200	630	680

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-013	Water samples are analysed directly 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 (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Metals-022 ICP-MS	Determination of various metals by ICP-MS.
Metals-021 CV-AAS	Determination of Mercury by Cold Vapour AAS.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25oC in accordance with APHA latest edition 2510 and Rayment & Lyons.

Client Reference: DL3724

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
vTRH(C6-C10)/BTEXN in Water						Base Duplicate %RPD		
Date extracted	-			19/11/2015	137596-2	19/11/2015 19/11/2015	LCS-W3	19/11/2015
Date analysed	-			20/11/2015	137596-2	20/11/2015 20/11/2015	LCS-W3	20/11/2015
TRHC ₆ - C ₉	µg/L	10	Org-016	<10	137596-2	<10 <10	LCS-W3	104%
TRHC ₆ - C ₁₀	µg/L	10	Org-016	<10	137596-2	<10 <10	LCS-W3	104%
Benzene	µg/L	1	Org-016	<1	137596-2	<1 <1	LCS-W3	105%
Toluene	µg/L	1	Org-016	<1	137596-2	<1 <1	LCS-W3	105%
Ethylbenzene	µg/L	1	Org-016	<1	137596-2	<1 <1	LCS-W3	102%
m+p-xylene	µg/L	2	Org-016	<2	137596-2	<2 <2	LCS-W3	103%
o-xylene	µg/L	1	Org-016	<1	137596-2	<1 <1	LCS-W3	105%
Naphthalene	µg/L	1	Org-013	<1	137596-2	<1 <1	[NR]	[NR]
Surrogate Dibromofluoromethane	%		Org-016	106	137596-2	103 105 RPD: 2	LCS-W3	103%
Surrogate toluene-d8	%		Org-016	100	137596-2	100 101 RPD: 1	LCS-W3	100%
Surrogate 4-BFB	%		Org-016	98	137596-2	99 100 RPD: 1	LCS-W3	103%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
svTRH (C10-C40) in Water						Base Duplicate %RPD		
Date extracted	-			19/11/2015	[NT]	[NT]	LCS-W1	19/11/2015
Date analysed	-			19/11/2015	[NT]	[NT]	LCS-W1	19/11/2015
TRHC ₁₀ - C ₁₄	µg/L	50	Org-003	<50	[NT]	[NT]	LCS-W1	102%
TRHC ₁₅ - C ₂₈	µg/L	100	Org-003	<100	[NT]	[NT]	LCS-W1	88%
TRHC ₂₈ - C ₃₆	µg/L	100	Org-003	<100	[NT]	[NT]	LCS-W1	102%
TRH>C ₁₀ - C ₁₆	µg/L	50	Org-003	<50	[NT]	[NT]	LCS-W1	102%
TRH>C ₁₆ - C ₃₄	µg/L	100	Org-003	<100	[NT]	[NT]	LCS-W1	88%
TRH>C ₃₄ - C ₄₀	µg/L	100	Org-003	<100	[NT]	[NT]	LCS-W1	102%
Surrogate o-Terphenyl	%		Org-003	82	[NT]	[NT]	LCS-W1	124%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
PAHs in Water						Base Duplicate %RPD		
Date extracted	-			19/11/2015	[NT]	[NT]	LCS-W1	19/11/2015
Date analysed	-			20/11/2015	[NT]	[NT]	LCS-W1	20/11/2015
Naphthalene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	105%
Acenaphthylene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Acenaphthene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Fluorene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	112%
Phenanthrene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	102%
Anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Fluoranthene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	98%
Pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	104%
Benzo(a)anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]

Client Reference: DL3724

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
PAHs in Water						Base II Duplicate II %RPD		
Chrysene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	109%
Benzo(b,j+k) fluoranthene	µg/L	2	Org-012	<2	[NT]	[NT]	[NR]	[NR]
Benzo(a)pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	LCS-W1	109%
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Dibenzo(a,h)anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Benzo(g,h,i)perylene	µg/L	1	Org-012	<1	[NT]	[NT]	[NR]	[NR]
Surrogate p-Terphenyl-d14	%		Org-012	92	[NT]	[NT]	LCS-W1	113%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
HM in water - dissolved						Base II Duplicate II %RPD		
Date prepared	-			19/11/2015	[NT]	[NT]	LCS-W1	19/11/2015
Date analysed	-			19/11/2015	[NT]	[NT]	LCS-W1	19/11/2015
Arsenic-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	93%
Cadmium-Dissolved	µg/L	0.1	Metals-022 ICP-MS	<0.1	[NT]	[NT]	LCS-W1	99%
Chromium-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	89%
Copper-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	98%
Lead-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	102%
Mercury-Dissolved	µg/L	0.05	Metals-021 CV-AAS	<0.05	[NT]	[NT]	LCS-W1	93%
Nickel-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	93%
Zinc-Dissolved	µg/L	1	Metals-022 ICP-MS	<1	[NT]	[NT]	LCS-W1	94%

Client Reference: DL3724

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
Miscellaneous Inorganics						Base II Duplicate II %RPD		
Date prepared	-			18/11/2015	[NT]	[NT]	LCS-W1	18/11/2015
Date analysed	-			18/11/2015	[NT]	[NT]	LCS-W1	18/11/2015
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	LCS-W1	101%
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	LCS-W1	99%

Report Comments:

Asbestos ID was analysed by Approved Identifier:
Asbestos ID was authorised by Approved Signatory:

Not applicable for this job
Not applicable for this job

INS: Insufficient sample for this test
NR: Test not required
<: Less than

PQL: Practical Quantitation Limit
RPD: Relative Percent Difference
>: Greater than

NT: Not tested
NA: Test not required
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 (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics 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.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

ENVIROLAB SERVICES

Sample information			Tests Required										Comments		
Envirolab Sample ID	Client Sample ID	Date sampled	Type of sample	VTPH/BTEX	VHC	TPH	PAH	OC/OP/PCB	M8	TCLP-PAH	TCLP-M8	Combs		PH	EC
1	MW1	18-11-15	water									X	X	X	Place filter for dissolved
2	MW2	↓	↓									X	X	X	
3	MW2-A											X	X	X	
4	IS														
5	IB														
															 EnviroLab Services 12 Ashby St Chatswood NSW 2067 Ph: (02) 9910 6200 Job No: 137596 Date Received: 18/11/15 Time Received: 16:30 Received by: PT Temp: Cool/Ambient Cooling: Ice/Blanket Security: Intact/Broken/None
Relinquished by (company): DLA				Samples Received: Cool or Ambient (circle one)											
Print Name: Loretta				Temperature Received at: (if applicable)											
Date & Time: 18.11.15				Transported by: Hand delivered / courier											
Signature: [Signature]				Page No:											

Signature: 302 - Chain of Custody-Client, Issued 14/02/08, Version 3, Page



AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET47361/ 50541 / 1 - 2
Your ref : DL3724 - Auburn
NATA Accreditation No: 14484

16 November 2015

DLA Environmental Services Pty Ltd
3/38 Leighton Place
Hornsby NSW 2077



Accredited for compliance with ISO/IEC 17025.

Attn: Mr David Lane

Dear David

Asbestos Identification

This report presents the results of two samples, forwarded by DLA Environmental Services Pty Ltd on 16 November 2015, for analysis for asbestos.

1.Introduction: Two samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method (Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as AF(Asbestos Fines), FA(Friable Asbestos and ACM (Asbestos Containing Material), also satisfying the requirements of the WA/ NEPM Guidelines)

3. Results : **Sample No. 1. ASET47361 / 50541 / 1. TP4 - 0.3 – Test Pit 4.**
Approx dimensions 10.0 cm x 10.0 cm x 5.2 cm
The sample consisted of a mixture of clayish soil, stones, plant matter, fibres^, fragments of plaster, glass and brick.
Chrysotile^ (Approximate weight = 0.024g) asbestos, Amosite^ (Approximate weight = 0.004g) asbestos and Crocidolite^ (Approximate weight= 0.009g) asbestos detected.
Approximate total weight of asbestos (AF / Loose fibres) = 0.037g
Approximate total weight of soil sample = 540.0g
Approximate w/w % = 0.007%

Sample No. 2. ASET47361 / 50541 / 2. TP4 - 0.3AS - Frag - Test Pit 4.
Approx dimensions 3.5 cm x 2.8 cm x 0.4 cm
The sample consisted of a fragment of a fibre cement material.
Chrysotile (Estimated approximate weight = 1.078g) asbestos, Amosite (Estimated approximate weight= 0.196g) asbestos and Crocidolite (Estimated approximate weight= 0.098g) asbestos detected.
Estimated approximate total weight of asbestos in ACM = 1.372 g
Approximate total weight of ACM = 9.8g
Estimated approximate w/w % = 14%

SUITE 710 / 90 GEORGE STREET, HORNSBY NSW 2077 – P.O. BOX 1644 HORNSBY WESTFIELD NSW 1635
PHONE: (02) 99872183 FAX: (02)99872151 EMAIL: aset@bigpond.net.au WEBSITE: www.Ausset.com.au

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Analysed and reported by,

Chamath

Chamath Annakkage. BSc
Environmental Technician/Approved Identifier

Mahen De Silva

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Signatory



Accredited for compliance with ISO/IEC 17025.

This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service (NATA ISO/IEC17025 AUG 2014).

Disclaimers;

The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages given.

ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.

AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.

FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.

^ denotes loose fibres of relevant asbestos types detected in soil/dust and fragments of ACM smaller than 7mm diameter.

*** denotes asbestos detected in ACM in bonded form.**

denotes FA.

All samples indicating "No asbestos detected" are assumed to be less than 0.001 % unless the actual approximate weight is given.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative.

12 NOV 2015



AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET47362/ 50542 / 1 - 8

Your ref: DL3724 - Auburn

NATA Accreditation No: 14484



Accredited for compliance with ISO/IEC 17025.

16 November 2015

DLA Environmental Services Pty Ltd
3/38 Leighton Place
Hornsby NSW 2077

Attn: Mr David Lane

Dear David

Asbestos Identification

This report presents the results of eight samples, forwarded by DLA Environmental Services Pty Ltd on 16 November 2015, for analysis for asbestos.

1.Introduction:Eight samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method(**Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction**) (**Qualitative Analysis only**).

3. Results : **Sample No. 1. ASET47362 / 50542 / 1. TP1 - 0.2 – Test Pit 1.**
Approx dimensions 10.0 cm x 10.0 cm x 5.0 cm
The sample consisted of a mixture of sandy soil, stones, plant matter and fragments of plaster.
No asbestos detected.

Sample No. 2. ASET47362 / 50542 / 2. TP2 - 0.3 - Test Pit 2.
Approx dimensions 10.0 cm x 10.0 cm x 6.0 cm
The sample consisted of a mixture of clayish soil, stones and plant matter.
No asbestos detected.

Sample No. 3. ASET47362 / 50542 / 3. TP3 - 0.4 - Test Pit 3.
Approx dimensions 10.0 cm x 10.0 cm x 5.5 cm
The sample consisted of a mixture of clayish soil, stones and plant matter.
No asbestos detected.

Sample No. 4. ASET47362 / 50542 / 4. TP4 - 0.8 - Test Pit 4.
Approx dimensions 9.0 cm x 8.0 cm x 5.0 cm
The sample consisted of a mixture of clayish soil, stones, plant matter, fragments of plaster, fibre cement*, bitumen and glass.
Chrysotile* asbestos and Amosite* asbestos detected.

Sample No. 5. ASET47362 / 50542 / 5. TP5 - 0.25 - Test Pit 5.
Approx dimensions 10.0 cm x 10.0 cm x 5.2 cm
The sample consisted of a mixture of clayish soil, stones, plant matter and fragments of plaster.
No asbestos detected.

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ASET

Sample No. 6. ASET47362 / 50542 / 6. TP6 - 0.2 – Test Pit 6.

Approx dimensions 10.0 cm x 9.5 cm x 5.8 cm

The sample consisted of a mixture of sandy soil, stones and plant matter.

No asbestos detected.

Sample No. 7. ASET47362 / 50542 / 7. TP7 - 0.2 – Test Pit 7.

Approx dimensions 10.0 cm x 10.0 cm x 5.5 cm

The sample consisted of a mixture of sandy soil, stones and plant matter.

No asbestos detected.

Sample No. 8. ASET47362 / 50542 / 8. TP8 - 0.15 - Test Pit 8.

Approx dimensions 10.0 cm x 9.0 cm x 6.2 cm

The sample consisted of a mixture of clayish soil, stones, plant matter and fragments of bitumen.

No asbestos detected.

Analysed and reported by,



Chamath Annakkage. BSc

Environmental Technician/Approved Identifier



Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)

Occupational Hygienist / Approved Signatory



Accredited for compliance with ISO/IEC 17025.

*** denotes asbestos detected in ACM in bonded form.**

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative.



AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET47362/ 50542-1 / 1 - 1

Your ref: DL3724 - Auburn

NATA Accreditation No: 14484

24 November 2015

DLA Environmental Services Pty Ltd
3/38 Leighton Place
Hornsby NSW 2077

Attn: Mr David Lane

Dear David

Asbestos Identification

This report presents the results of one sample, forwarded by DLA Environmental Services Pty Ltd on 16 November 2015, for analysis for asbestos.

1. Introduction: One sample forwarded was examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method (**Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction**) (**Qualitative Analysis only**).

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as **AF**(Asbestos Fines), **FA**(Friable Asbestos and **ACM** (Asbestos Containing Material), also satisfying the requirements of the WA/ NEPM Guidelines)

3. Results : **Sample No. 1. ASET47362 / 50542-1 / 1. DL3724 - Auburn - TP4 - 0.8 – Test Pit 4.**
Approx dimensions 9.0 cm x 8.0 cm x 5.0 cm
The sample consisted of a mixture of clayish soil, stones, plant matter, fragments of plaster, fibre cement*, bitumen and glass.
Chrysotile* (Estimated approximate weight = 0.5g) asbestos and Amosite* (Estimated approximate weight = 0.1g) asbestos detected.
Estimated approximate total weight of asbestos in ACM = 0.60 g
Approximate total weight of ACM = 5.0g
Approximate total weight of soil sample = 372 .0g
Estimated approximate w/w % = 0.2%

Analysed and reported by,

Chamath Annakkage. BSc
Environmental Technician/Approved Identifier

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Signatory



Accredited for compliance with ISO/IEC 17025.

This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and

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it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service (NATA ISO/IEC17025 AUG 2014).

Disclaimers;

The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages given.

ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.

AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.

FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.

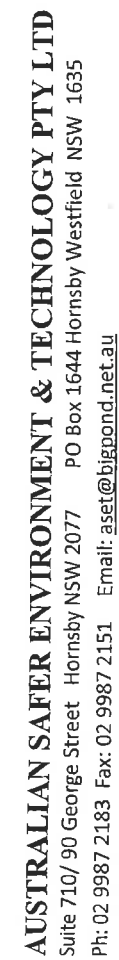
^ denotes loose fibres of relevant asbestos types detected in soil/dust and fragments of ACM smaller than 7mm diameter.

*** denotes asbestos detected in ACM in bonded form.**

denotes FA.

All samples indicating "No asbestos detected" are assumed to be less than 0.001 % unless the actual approximate weight is given.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative.



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Suite 710/90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635

Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au[illegible]



AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET47442/ 50622 / 1 - 2

Your ref : DL3724 - Auburn

NATA Accreditation No: 14484

19 November 2015

DLA Environmental Services Pty Ltd
3/38 Leighton Street
Hornsby NSW 2077

Attn: Mr David Lane

Dear David

Asbestos Identification

This report presents the results of two samples, forwarded by DLA Environmental Services Pty Ltd on 18 November 2015, for analysis for asbestos.

1.Introduction:Two samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method(**Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction**) (**Qualitative Analysis only**).

3. Results : **Sample No. 1. ASET47442 / 50622 / 1. BH16 - 0.4.**
Approx dimensions 10.0 cm x 10.0 cm x 4.5 cm
The sample consisted of a mixture of soil, stones, fibres[^], plant matter, fragments of plaster, cement, brick, bitumen, corroded metal and pieces of glass.
Chrysotile[^] asbestos detected.

Sample No. 2. ASET47442 / 50622 / 2. BH17 - 0.3.
Approx dimensions 9.0 cm x 9.0 cm x 5.0 cm
The sample consisted of a mixture of soil, stones, plant matter, fragments of plaster, cement, brick, corroded metal and pieces of glass.
No asbestos detected.

Analysed and reported by,

Nisansala Maddage. BSc(Hons)
Environmental Scientist/Approved Identifier
Approved Signatory



**WORLD RECOGNISED
ACCREDITATION**

Accredited for compliance with ISO/IEC 17025.

[^] denotes loose fibres of relevant asbestos types detected in soil/dust

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative.

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AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET47442/ 50622-1 / 1 - 1

Your ref : DL3724 - Auburn

NATA Accreditation No: 14484

24 November 2015

DLA Environmental Services Pty Ltd
3/38 Leighton Street
Hornsby NSW 2077

Attn: Mr David Lane

Dear David

Asbestos Identification

This report presents the results of one sample, forwarded by DLA Environmental Services Pty Ltd on 18 November 2015, for analysis for asbestos.

1.Introduction: One sample forwarded was examined and analysed for the presence of asbestos.

2. Methods : The sample was examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method (Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as AF(Asbestos Fines), FA(Friable Asbestos and ACM (Asbestos Containing Material), also satisfying the requirements of the WA/ NEPM Guidelines)

3. Results : Sample No. 1. ASET47442 / 50622-1 / 1. BH16_0.4.

Approx dimensions 10.0 cm x 10.0 cm x 4.6 cm

The sample consisted of a mixture of soil, stones, fibres^, plant matter, fragments of plaster, cement, brick, bitumen, corroded metal and pieces of glass.

Chrysotile^ (Approximate weight = 0.0071g) asbestos detected.

Approximate total weight of asbestos (AF/loose fibres) = 0.0071g

Approximate total weight of soil = 453.0g

Approximate %w/w = 0.0016%

Analysed and reported by,

Nisansala Maddage. BSc(Hons)
Environmental Scientist/Approved Identifier
Approved Signatory



Accredited for compliance with ISO/IEC 17025.

This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites

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in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service (NATA ISO/IEC17025 AUG 2014).

Disclaimers;

The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight/ weight percentages given.

ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.

AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.

FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.

^ denotes loose fibres of relevant asbestos types detected in soil/dust and fragments of ACM smaller than 7mm diameter.

*** denotes asbestos detected in ACM in bonded form.**

denotes FA.

All samples indicating "No asbestos detected" are assumed to be less than 0.001 % unless the actual approximate weight is given.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative.

18 NOV 2015



ANALYTICAL REPORT



Accreditation No. 2562

CLIENT DETAILS

Contact Loretta Visintin
Client DLA ENVIRONMENTAL SERVICES PTY LTD
Address Unit 3
38 Leighton Pl
NSW 2077

Telephone 61 2 98700900
Facsimile 61 2 98700999
Email sydney@dlaenvironmental.com.au
Project DL3724
Order Number (Not specified)
Samples 54

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 SE145945 R0
Date Received 12/11/2015
Date Reported 18/11/2015

COMMENTS

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

SIGNATORIES

Andy Sutton
Senior Organic Chemist

Dong Liang
Metals/Inorganics Team Leader

Ly Kim Ha
Organic Section Head

VOC's in Soil [AN433/AN434] Tested: 13/11/2015

			BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.001	SE145945.002	SE145945.003	SE145945.004	SE145945.005
PARAMETER	UOM	LOR					
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

			BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	10/11/2015	10/11/2015
			SE145945.006	SE145945.007	SE145945.008	SE145945.009	SE145945.010
PARAMETER	UOM	LOR					
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

			BH4_1.5a	BH5_0.3	BH5_0.5	BH6_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.011	SE145945.012	SE145945.013	SE145945.014	SE145945.015
PARAMETER	UOM	LOR					
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

			BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.016	SE145945.017	SE145945.018	SE145945.019	SE145945.020
PARAMETER	UOM	LOR					
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

VOC's in Soil [AN433/AN434] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.021	10/11/2015 SE145945.022	10/11/2015 SE145945.023	10/11/2015 SE145945.024	10/11/2015 SE145945.025
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.026	10/11/2015 SE145945.027	9/11/2015 SE145945.028	9/11/2015 SE145945.029	9/11/2015 SE145945.030
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.6a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.031	10/11/2015 SE145945.032	10/11/2015 SE145945.033	10/11/2015 SE145945.034	10/11/2015 SE145945.035
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.036	11/11/2015 SE145945.037	11/11/2015 SE145945.038	11/11/2015 SE145945.039	11/11/2015 SE145945.040
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

VOC's in Soil [AN433/AN434] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	TP3_0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.041	11/11/2015 SE145945.042	11/11/2015 SE145945.043	11/11/2015 SE145945.044	11/11/2015 SE145945.045
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.046	11/11/2015 SE145945.047	11/11/2015 SE145945.048	11/11/2015 SE145945.049	11/11/2015 SE145945.050
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.051	11/11/2015 SE145945.052	11/11/2015 SE145945.053	11/11/2015 SE145945.054
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1

Volatile Petroleum Hydrocarbons in Soil [AN433/AN434/AN410] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	9/11/2015 SE145945.002	9/11/2015 SE145945.003	9/11/2015 SE145945.004	9/11/2015 SE145945.005
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.006	9/11/2015 SE145945.007	9/11/2015 SE145945.008	10/11/2015 SE145945.009	10/11/2015 SE145945.010
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.011	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014	9/11/2015 SE145945.015
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019	9/11/2015 SE145945.020
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.021	10/11/2015 SE145945.022	10/11/2015 SE145945.023	10/11/2015 SE145945.024	10/11/2015 SE145945.025
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.026	10/11/2015 SE145945.027	9/11/2015 SE145945.028	9/11/2015 SE145945.029	9/11/2015 SE145945.030
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433/AN434/AN410] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
			SE145945.031	SE145945.032	SE145945.033	SE145945.034	SE145945.035
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.036	SE145945.037	SE145945.038	SE145945.039	SE145945.040
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP3_0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.041	SE145945.042	SE145945.043	SE145945.044	SE145945.045
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.046	SE145945.047	SE145945.048	SE145945.049	SE145945.050
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.051	SE145945.052	SE145945.053	SE145945.054
TRH C6-C9	mg/kg	20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) In Soil [AN403] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	9/11/2015 SE145945.002	9/11/2015 SE145945.003	9/11/2015 SE145945.004	9/11/2015 SE145945.005
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.006	9/11/2015 SE145945.007	9/11/2015 SE145945.008	10/11/2015 SE145945.009	10/11/2015 SE145945.010
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	67	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.011	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014	9/11/2015 SE145945.015
TRH C10-C14	mg/kg	20	<20	<20	62	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	320	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	98	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	98	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	310	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	380	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	380	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019	9/11/2015 SE145945.020
TRH C10-C14	mg/kg	20	24	21	<20	<20	<20
TRH C15-C28	mg/kg	45	69	69	56	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	42	41	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	42	41	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.021	10/11/2015 SE145945.022	10/11/2015 SE145945.023	10/11/2015 SE145945.024	10/11/2015 SE145945.025
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	BH10_0.5	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.026	10/11/2015 SE145945.027	9/11/2015 SE145945.028	9/11/2015 SE145945.029	9/11/2015 SE145945.030
TRH C10-C14	mg/kg	20	<20	63	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	110	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	110	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	110	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	170	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.031	10/11/2015 SE145945.032	10/11/2015 SE145945.033	10/11/2015 SE145945.034	10/11/2015 SE145945.035
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.036	11/11/2015 SE145945.037	11/11/2015 SE145945.038	11/11/2015 SE145945.039	11/11/2015 SE145945.040
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP3-0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.041	11/11/2015 SE145945.042	11/11/2015 SE145945.043	11/11/2015 SE145945.044	11/11/2015 SE145945.045
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	83	240	<45	<45
TRH C29-C36	mg/kg	45	<45	67	220	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	140	420	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	150	450	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	450	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.046	11/11/2015 SE145945.047	11/11/2015 SE145945.048	11/11/2015 SE145945.049	11/11/2015 SE145945.050
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.051	11/11/2015 SE145945.052	11/11/2015 SE145945.053	11/11/2015 SE145945.054
TRH C10-C14	mg/kg	20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25
TRH >C10-C16 (F2) - Naphthalene	mg/kg	25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	9/11/2015 SE145945.002	9/11/2015 SE145945.003	9/11/2015 SE145945.004	9/11/2015 SE145945.005
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.006	9/11/2015 SE145945.007	9/11/2015 SE145945.008	10/11/2015 SE145945.009	10/11/2015 SE145945.010
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	0.3	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	2.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	2.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	2.0	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	0.8	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	1.4	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	1.2	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	0.4	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	0.8	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	0.6	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	0.2	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	1.1	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	1.2	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	1.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	13	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.011	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014	9/11/2015 SE145945.015
Naphthalene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	0.7	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	1.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	1.6	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	1.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	0.7	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	0.9	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	0.8	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	0.7	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	0.3	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	0.3	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	0.5	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	0.6	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	0.5	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	8.9	<0.8	<0.8

PARAMETER	UOM	LOR	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019	9/11/2015 SE145945.020
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	0.7	0.6	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	0.1	0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	1.0	0.6	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	0.9	0.6	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	0.4	0.2	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	0.4	0.2	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	0.5	0.2	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	0.3	0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	0.4	0.2	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	0.5	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	0.6	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	0.5	0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	5.4	3.1	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.021	10/11/2015 SE145945.022	10/11/2015 SE145945.023	10/11/2015 SE145945.024	10/11/2015 SE145945.025
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.026	10/11/2015 SE145945.027	9/11/2015 SE145945.028	9/11/2015 SE145945.029	9/11/2015 SE145945.030
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	0.5	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	0.5	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	1.3	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) In Soil [AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.031	10/11/2015 SE145945.032	10/11/2015 SE145945.033	10/11/2015 SE145945.034	10/11/2015 SE145945.035
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	0.3
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	1.5

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.036	11/11/2015 SE145945.037	11/11/2015 SE145945.038	11/11/2015 SE145945.039	11/11/2015 SE145945.040
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	TP3-0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.041	11/11/2015 SE145945.042	11/11/2015 SE145945.043	11/11/2015 SE145945.044	11/11/2015 SE145945.045
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	0.5	0.3	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	0.2	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	1.7	0.8	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	1.8	0.8	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	0.7	0.6	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	1.7	0.4	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	2.5	0.7	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	0.9	0.3	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	2.2	0.6	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	2.2	0.8	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	0.3	0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	1.2	0.4	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	3.1	0.9	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	3.1	0.9	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	3.1	0.9	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	16	6.0	<0.8	<0.8

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.046	11/11/2015 SE145945.047	11/11/2015 SE145945.048	11/11/2015 SE145945.049	11/11/2015 SE145945.050
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.051	11/11/2015 SE145945.052	11/11/2015 SE145945.053	11/11/2015 SE145945.054
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2
Total PAH	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8

OC Pesticides in Soil [AN400/AN420] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH4_0.3	BH5_0.3	BH5_0.5	BH5_0.6
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	10/11/2015 SE145945.009	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH6_0.5	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.015	9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OC Pesticides in Soil [AN400/AN420] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	BH7_1.5	BH7_2.15	BH14_0.5	BH14_0.5a	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.020	9/11/2015 SE145945.021	10/11/2015 SE145945.032	10/11/2015 SE145945.033	11/11/2015 SE145945.040
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

OP Pesticides in Soil [AN400/AN420] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH4_0.3	BH5_0.3	BH5_0.5	BH5_0.6
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	10/11/2015 SE145945.009	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH6_0.5	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.015	9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PARAMETER	UOM	LOR	BH7_1.5	BH7_2.15	BH14_0.5	BH14_0.5a	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.020	9/11/2015 SE145945.021	10/11/2015 SE145945.032	10/11/2015 SE145945.033	11/11/2015 SE145945.040
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2

PCBs in Soil [AN400/AN420] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH4_0.3	BH5_0.3	BH5_0.5	BH5_0.6
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	10/11/2015 SE145945.009	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	BH6_0.5	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.015	9/11/2015 SE145945.018	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	BH7_1.5	BH7_2.15	BH14_0.5	BH14_0.5a	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.020	9/11/2015 SE145945.021	10/11/2015 SE145945.032	10/11/2015 SE145945.033	11/11/2015 SE145945.040
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

Total Recoverable Metals in Soil by ICPOES [AN040/AN320] Tested: 16/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.001	9/11/2015 SE145945.002	9/11/2015 SE145945.003	9/11/2015 SE145945.004	9/11/2015 SE145945.005
Arsenic, As	mg/kg	3	<3	18	13	9	130
Cadmium, Cd	mg/kg	0.3	0.5	0.4	<0.3	0.4	<0.3
Chromium, Cr	mg/kg	0.3	11	19	16	9.8	5.7
Copper, Cu	mg/kg	0.5	67	20	11	25	34
Lead, Pb	mg/kg	1	5	40	12	140	51
Nickel, Ni	mg/kg	0.5	77	13	2.9	12	3.4
Zinc, Zn	mg/kg	0.5	58	55	31	150	48

PARAMETER	UOM	LOR	BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.006	9/11/2015 SE145945.007	9/11/2015 SE145945.008	10/11/2015 SE145945.009	10/11/2015 SE145945.010
Arsenic, As	mg/kg	3	9	9	11	14	10
Cadmium, Cd	mg/kg	0.3	<0.3	0.4	0.5	0.4	0.6
Chromium, Cr	mg/kg	0.3	12	5.3	5.2	7.1	14
Copper, Cu	mg/kg	0.5	24	32	30	51	19
Lead, Pb	mg/kg	1	20	17	20	360	22
Nickel, Ni	mg/kg	0.5	13	64	67	12	2.0
Zinc, Zn	mg/kg	0.5	72	160	180	67	19

PARAMETER	UOM	LOR	BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.5	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.011	9/11/2015 SE145945.012	9/11/2015 SE145945.013	9/11/2015 SE145945.014	9/11/2015 SE145945.015
Arsenic, As	mg/kg	3	9	<3	11	10	5
Cadmium, Cd	mg/kg	0.3	0.6	0.6	0.6	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	14	15	7.0	11	8.4
Copper, Cu	mg/kg	0.5	19	61	73	10	14
Lead, Pb	mg/kg	1	21	4	340	12	28
Nickel, Ni	mg/kg	0.5	1.8	140	36	12	11
Zinc, Zn	mg/kg	0.5	20	64	350	60	49

PARAMETER	UOM	LOR	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.016	9/11/2015 SE145945.017	9/11/2015 SE145945.018	9/11/2015 SE145945.019	9/11/2015 SE145945.020
Arsenic, As	mg/kg	3	5	7	9	4	<3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	9.0	6.6	9.1	8.4	1.7
Copper, Cu	mg/kg	0.5	35	29	35	30	7.6
Lead, Pb	mg/kg	1	40	42	240	94	12
Nickel, Ni	mg/kg	0.5	13	10	8.0	4.6	3.7
Zinc, Zn	mg/kg	0.5	65	54	130	85	33

Total Recoverable Metals in Soil by ICPOES [AN040/AN320] Tested: 16/11/2015 (continued)

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015 SE145945.021	10/11/2015 SE145945.022	10/11/2015 SE145945.023	10/11/2015 SE145945.024	10/11/2015 SE145945.025
Arsenic, As	mg/kg	3	200	8	9	4	8
Cadmium, Cd	mg/kg	0.3	0.4	0.7	0.4	<0.3	1.0
Chromium, Cr	mg/kg	0.3	5.7	10	7.8	13	5.1
Copper, Cu	mg/kg	0.5	41	46	29	28	34
Lead, Pb	mg/kg	1	20	16	16	17	15
Nickel, Ni	mg/kg	0.5	65	120	26	46	29
Zinc, Zn	mg/kg	0.5	220	230	88	120	97

PARAMETER	UOM	LOR	BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.026	10/11/2015 SE145945.027	9/11/2015 SE145945.028	9/11/2015 SE145945.029	9/11/2015 SE145945.030
Arsenic, As	mg/kg	3	8	3	10	<3	<3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	5.4	4.0	7.8	5.8	3.9
Copper, Cu	mg/kg	0.5	38	23	21	24	19
Lead, Pb	mg/kg	1	13	12	20	13	9
Nickel, Ni	mg/kg	0.5	9.9	24	2.9	6.0	29
Zinc, Zn	mg/kg	0.5	82	120	44	59	140

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015 SE145945.031	10/11/2015 SE145945.032	10/11/2015 SE145945.033	10/11/2015 SE145945.034	10/11/2015 SE145945.035
Arsenic, As	mg/kg	3	5	8	7	6	6
Cadmium, Cd	mg/kg	0.3	0.4	<0.3	0.5	0.3	0.5
Chromium, Cr	mg/kg	0.3	17	13	23	9.7	56
Copper, Cu	mg/kg	0.5	35	25	20	34	44
Lead, Pb	mg/kg	1	15	17	16	16	64
Nickel, Ni	mg/kg	0.5	51	21	26	15	73
Zinc, Zn	mg/kg	0.5	180	66	58	85	140

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015 SE145945.036	11/11/2015 SE145945.037	11/11/2015 SE145945.038	11/11/2015 SE145945.039	11/11/2015 SE145945.040
Arsenic, As	mg/kg	3	9	7	<3	17	<3
Cadmium, Cd	mg/kg	0.3	<0.3	0.5	0.6	<0.3	0.4
Chromium, Cr	mg/kg	0.3	7.6	20	16	9.0	13
Copper, Cu	mg/kg	0.5	10	13	65	8.7	58
Lead, Pb	mg/kg	1	66	15	6	15	5
Nickel, Ni	mg/kg	0.5	4.4	10	160	11	120
Zinc, Zn	mg/kg	0.5	57	43	81	64	64

Total Recoverable Metals in Soil by ICPOES [AN040/AN320] Tested: 16/11/2015 (continued)

PARAMETER	UOM	LOR	TP3_0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.041	SE145945.042	SE145945.043	SE145945.044	SE145945.045
Arsenic, As	mg/kg	3	8	23	25	<3	8
Cadmium, Cd	mg/kg	0.3	0.3	0.9	2.1	0.5	<0.3
Chromium, Cr	mg/kg	0.3	16	23	24	110	3.5
Copper, Cu	mg/kg	0.5	15	110	98	30	20
Lead, Pb	mg/kg	1	14	750	1400	14	12
Nickel, Ni	mg/kg	0.5	6.6	25	20	95	1.8
Zinc, Zn	mg/kg	0.5	26	310	470	79	14

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.046	SE145945.047	SE145945.048	SE145945.049	SE145945.050
Arsenic, As	mg/kg	3	6	7	5	15	5
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	0.3	<0.3
Chromium, Cr	mg/kg	0.3	18	14	31	5.6	5.1
Copper, Cu	mg/kg	0.5	10	16	8.8	23	19
Lead, Pb	mg/kg	1	3	20	3	13	11
Nickel, Ni	mg/kg	0.5	17	4.8	29	1.3	0.9
Zinc, Zn	mg/kg	0.5	16	26	22	49	32

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.051	SE145945.052	SE145945.053	SE145945.054
Arsenic, As	mg/kg	3	<3	3	5	13
Cadmium, Cd	mg/kg	0.3	0.5	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	91	5.3	7.8	7.5
Copper, Cu	mg/kg	0.5	30	14	20	17
Lead, Pb	mg/kg	1	22	14	73	19
Nickel, Ni	mg/kg	0.5	84	7.2	11	2.7
Zinc, Zn	mg/kg	0.5	82	47	94	45

Mercury in Soil [AN312] Tested: 13/11/2015

PARAMETER	UOM	LOR	BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.001	SE145945.002	SE145945.003	SE145945.004	SE145945.005
Mercury	mg/kg	0.01	<0.01	0.02	0.04	0.02	0.01

PARAMETER	UOM	LOR	BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	10/11/2015	10/11/2015
			SE145945.006	SE145945.007	SE145945.008	SE145945.009	SE145945.010
Mercury	mg/kg	0.01	<0.01	0.12	0.13	0.07	<0.01

PARAMETER	UOM	LOR	BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.011	SE145945.012	SE145945.013	SE145945.014	SE145945.015
Mercury	mg/kg	0.01	<0.01	<0.01	0.02	0.01	0.02

PARAMETER	UOM	LOR	BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.016	SE145945.017	SE145945.018	SE145945.019	SE145945.020
Mercury	mg/kg	0.01	0.03	0.03	0.02	<0.01	<0.01

PARAMETER	UOM	LOR	BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
			SE145945.021	SE145945.022	SE145945.023	SE145945.024	SE145945.025
Mercury	mg/kg	0.01	0.30	0.02	0.05	<0.01	0.11

PARAMETER	UOM	LOR	BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	10/11/2015	9/11/2015	9/11/2015	9/11/2015
			SE145945.026	SE145945.027	SE145945.028	SE145945.029	SE145945.030
Mercury	mg/kg	0.01	0.02	0.02	<0.01	<0.01	0.07

PARAMETER	UOM	LOR	BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
			SE145945.031	SE145945.032	SE145945.033	SE145945.034	SE145945.035
Mercury	mg/kg	0.01	0.03	0.03	0.02	0.04	0.04

Mercury in Soil [AN312] Tested: 13/11/2015 (continued)

PARAMETER	UOM	LOR	TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.036	SE145945.037	SE145945.038	SE145945.039	SE145945.040
Mercury	mg/kg	0.01	0.04	0.03	<0.01	0.02	<0.01

PARAMETER	UOM	LOR	TP3_0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.041	SE145945.042	SE145945.043	SE145945.044	SE145945.045
Mercury	mg/kg	0.01	<0.01	0.06	0.17	0.01	<0.01

PARAMETER	UOM	LOR	TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.046	SE145945.047	SE145945.048	SE145945.049	SE145945.050
Mercury	mg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015
			SE145945.051	SE145945.052	SE145945.053	SE145945.054
Mercury	mg/kg	0.01	0.01	0.03	0.01	<0.01

Moisture Content [AN002] Tested: 13/11/2015

			BH1_0.5	BH1_1.4	BH1_1.4a	BH2_0.5	BH2_0.7
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
PARAMETER	UOM	LOR	SE145945.001	SE145945.002	SE145945.003	SE145945.004	SE145945.005
% Moisture	%w/w	0.5	12	23	21	10	23

			BH3_0.4	BH3_1.5	BH3_1.5a	BH4_0.3	BH4_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	10/11/2015	10/11/2015
PARAMETER	UOM	LOR	SE145945.006	SE145945.007	SE145945.008	SE145945.009	SE145945.010
% Moisture	%w/w	0.5	19	11	11	7.3	16

			BH4_1.5a	BH5_0.3	BH5_0.5	BH5_0.6	BH6_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
PARAMETER	UOM	LOR	SE145945.011	SE145945.012	SE145945.013	SE145945.014	SE145945.015
% Moisture	%w/w	0.5	16	9.0	17	20	8.0

			BH6_1.5	BH6_2.0	BH7_0.5	BH7_0.7	BH7_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
PARAMETER	UOM	LOR	SE145945.016	SE145945.017	SE145945.018	SE145945.019	SE145945.020
% Moisture	%w/w	0.5	13	13	13	13	17

			BH7_2.15	BH8_0.5	BH8_1.0	BH9_0.5	BH9_1.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			9/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
PARAMETER	UOM	LOR	SE145945.021	SE145945.022	SE145945.023	SE145945.024	SE145945.025
% Moisture	%w/w	0.5	20	15	8.0	11	16

			BH10_0.6	BH10_1.5	BH11_0.3	BH12_0.3	BH12_1.8
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	10/11/2015	9/11/2015	9/11/2015	9/11/2015
PARAMETER	UOM	LOR	SE145945.026	SE145945.027	SE145945.028	SE145945.029	SE145945.030
% Moisture	%w/w	0.5	16	13	22	15	12

			BH13_0.5	BH14_0.5	BH14_0.5a	BH14_0.6	BH15_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			10/11/2015	10/11/2015	10/11/2015	10/11/2015	10/11/2015
PARAMETER	UOM	LOR	SE145945.031	SE145945.032	SE145945.033	SE145945.034	SE145945.035
% Moisture	%w/w	0.5	9.7	22	15	8.6	11

Moisture Content [AN002] Tested: 13/11/2015 (continued)

			TP1_0.2	TP1_0.5	TP2_0.3	TP2_1.1	TP3_0.4
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
PARAMETER	UOM	LOR	SE145945.036	SE145945.037	SE145945.038	SE145945.039	SE145945.040
% Moisture	%w/w	0.5	21	24	12	14	11

			TP3_0.7	TP4_0.3	TP4_0.6	TP5_0.25	TP5_0.5
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
PARAMETER	UOM	LOR	SE145945.041	SE145945.042	SE145945.043	SE145945.044	SE145945.045
% Moisture	%w/w	0.5	22	14	22	15	19

			TP6_0.2	TP6_0.4	TP7_0.2	TP7_0.4	TP7_0.4a
			SOIL	SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
PARAMETER	UOM	LOR	SE145945.046	SE145945.047	SE145945.048	SE145945.049	SE145945.050
% Moisture	%w/w	0.5	2.1	16	5.7	19	18

			TP8_0.15	TP8_0.4	TP8_0.4a	BH11_0.3a
			SOIL	SOIL	SOIL	SOIL
			11/11/2015	11/11/2015	11/11/2015	11/11/2015
PARAMETER	UOM	LOR	SE145945.051	SE145945.052	SE145945.053	SE145945.054
% Moisture	%w/w	0.5	11	18	16	22

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/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.

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.

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

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 NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.

AN403

Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Petroleum Hydrocarbons (TPH) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.

AN403

The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.

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).

AN420

SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols 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.

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.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	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.
		LNR	Sample listed, but not received.		

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

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be $1.6 / 2$ (0.8 mg/kg). Where only 2 analytes are being summed, the "Total" LOR will be the sum of those two LORs.

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

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CHAIN OF CUSTODY & ANALYSIS REQUEST

Page 1 of 7

SGS Environmental Services
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Telephone No: (02) 85940400
Facsimile No: (02) 85940499
Email: alex.maddox@sgs.com.au

Company Name: DLA
Address: _____
Contact Name: Loretta

Project Name/No: DL3724
Purchase Order No: _____
Results Required By: _____
Telephone: _____
Facsimile: _____
Email Results: _____

Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	CL 10	CL 17	HAZ
DL3724	9.11.15								
BH1-0.5	9.11.15	1	X				X		
BH1-1.4	9.11.15	2	X				X		
BH1-1.4a	9.11.15	3	X				X		
BH2-0.5	9.11.15	4	X				X		
BH2-0.7	9.11.15	5	X				X		
BH3-0.4	9.11.15	6	X				X		
BH3-1.5	9.11.15	7	X				X		
BH3-1.5a	9.11.15	8	X				X		

SGS Alexandria Environmental



SE145945 COC

Received: 12 - Nov - 2015

Relinquished By:	Date/Time:	Received By:	Date/Time:
<u>Loretta</u>	<u>12.11.15</u>	<u>P. Day</u>	<u>12.11.15 @ 5.15</u>
Samples Intact: Yes/No	Temperature: Ambient / Chilled	Sample Cooler Sealed: Yes/No	Laboratory Quotation No:
<u>Yes</u>	<u>Chilled</u>	<u>Yes</u>	
Comments:			

CHAIN OF CUSTODY & ANALYSIS REQUEST

SGS Environmental Services
 Unit 16, 33 Maddox Street
 Alexandria NSW 2015
 Telephone No: (02) 85940400
 Facsimile No: (02) 85940499
 Email: sgs@sgs.com.au

Company Name: RA
 Address: DL3724
 Contact Name: Lorella

Project Name/No: _____
 Purchase Order No: _____
 Results Required By: _____
 Telephone: _____
 Facsimile: _____
 Email Results: _____

Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	CL10	CL17	Hold	Received By:	Date/Time	Received By:	Date/Time	Sample Cooler Sealed:	Yes/No	Laboratory Quotation No:
BH6-2.0	9.11.15	17		X												
BH7-0.5	9.11.15	18		X												
BH7-0.7	9.11.15	19		X												
BH7-1.5	9.11.15	20		X												
BH7-2.15	9.11.15	21		X												
BH8-0.5	10.11.15	22		X												
BH8-1.0	10.11.15	23		X												
BH9-0.5	10.11.15	24		X												
BH9-1.5	10.11.15	25		X												

Relinquished By: DLA Date/Time: 12.11.15
 Relinquished By: Lorella Date/Time: 12.11.15
 Samples Intact: Yes No No Temperature: Ambient / Chilled Chilled
 Comments: _____

Page 4 of 4

SGS Environmental Services
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Telephone No: (02) 85940400
Facsimile No: (02) 85940499
Email:

Company Name:
Address:
Contact Name:

Project Name/No:
Purchase Order No:
Results Required By:
Telephone:
Facsimile:
Email Results:

Client Sample ID	Date Sampled	Lab Sample ID	NO OF CONTAINERS				Received By:	Date/Time
			WATER	SOIL	PRESERVATIVE			
BH0-0.6	10.11.15	26	X					
BH10-1.5	10.11.15	27	X					
BH11-0.3	9.11.15	28	X					
BH11-0.3	9.11.15	54	X					
BH11-2.0	9.11.15		X					
BH12-0.3	9.11.15	29	X					
BH12-1.8	9.11.15	30	X					
BH13-0.5	10.11.15	31	X					
BH13-0.9	10.11.15							

Relinquished By:	Date/Time:	Received By:	Date/Time
Relinquished By: <i>[Signature]</i>	Date/Time: 12.11.15	Received By: <i>[Signature]</i>	Date/Time: 12.11.15

Samples Intact: Yes/No	Temperature: Ambient / Chilled	Sample Cooler Sealed: Yes/ No	Laboratory Quotation No:
Samples Intact: <i>[Signature]</i>	Temperature: Ambient / Chilled	Sample Cooler Sealed: Yes/ No	Laboratory Quotation No:

Uncontrolled template when printed

CHAIN OF CUSTODY & ANALYSIS REQUEST

Page 5 of 7

SGS Environmental Services
 Unit 16, 33 Maddox Street
 Alexandria NSW 2015
 Telephone No: (02) 85940400
 Facsimile No: (02) 85940499
 Email: sgs@sgs.com.au

Company Name:
 Address:

Project Name/No:
 Purchase Order No:
 Results Required By:
 Telephone:
 Facsimile:
 Email Results:

Contact Name:
 Address:
 Contact Name:

Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS	CL 10	CL 17	Head
BH14-0.5	10.11.15	32		X					
BH14-0.5a	10.11.15	33		X					
BH14-0.8	10.11.15	34		X					
BH15-0.5	10.11.15	35		X					
TP1-0.2	11.11.15	36		X					
TP1-0.5	11.11.15	37		X					
TP2-0.3	11.11.15	38		X					
TP2-1.1	11.11.15	39		X					
TP3-0.9	11.11.15	40		X					

Relinquished By: [Signature] Date/Time: 12/11/15

Received By: [Signature] Date/Time: 12/11/15

Relinquished By: [Signature] Date/Time: 12/11/15

Received By: [Signature] Date/Time: 12/11/15

Samples Intact: Yes/No Yes/No Sample Cooler Sealed: Yes/No Yes/No

Temperature: Ambient / Chilled Ambient

Comments:

CHAIN OF CUSTODY & ANALYSIS REQUEST				Page <u>6</u> of <u>7</u>										
SGS Environmental Services Unit 16, 33 Maddox Street Alexandria NSW 2015 Telephone No: (02) 85940400 Facsimile No: (02) 85940499 Email: sgs@sgs.com.au	Company Name: <u>PLA</u> Address: _____ Contact Name: _____	Project Name/No: _____ Purchase Order No: <u>023724</u> Results Required By: _____ Telephone: _____ Facsimile: _____ Email Results: _____												
Client Sample ID	Date Sampled	Lab Sample ID	WATER	SOIL	PRESERVATIVE	NO OF CONTAINERS								
TP3-0.7	11.11.15	41	X				CL10	CL17	Weld					
TP4-0.3		42					X	X						
TP4-0.8		43					X	X						
TP5-0.25		44					X	X						
TP5-0.5		45					X	X						
TP6-0.2		46					X	X						
TP6-0.4		47					X	X						
TP7-0.2		48					X	X						
TP7-0.4		49					X							
Relinquished By: _____		Date/Time: _____		Received By: <u>P. Bury</u>		Date/Time: <u>12/11/15</u>								
Relinquished By: _____		Date/Time: _____		Received By: _____		Date/Time: _____								
Samples Intact: Yes/ No		Temperature: Ambient / Chilled		Sample Cooler Sealed: Yes/ No		Laboratory Quotation No:								
Comments: _____														

[illegible]

AU.SampleReceipt.Sydney (Sydney)

From: Loretta Visintin [Loretta.Visintin@dlaeenvironmental.com.au]
Sent: Friday, 13 November 2015 1:30 PM
To: AU.SampleReceipt.Sydney (Sydney)
Subject: Amendment to Analysis Request for DL3724
Attachments: SGS COC amendment.pdf

Hi,

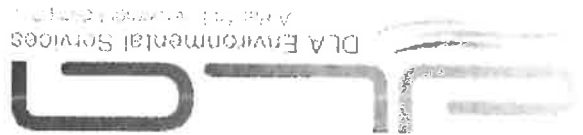
Yesterday I sent samples to SGS under the project name DL3724.

Please also analyse soil sample **BH11_0.3a** on **CL10** (see pg4 of 7).

I have highlighted this in **GREEN** in the attached COC copy that I made.

Please contact me if any questions.

Loretta Visintin
Environmental Consultant
M: 0427 622 264



Melbourne
Level 10, 224 Queen Street
Melbourne VIC 3000
Phone: 03 9036 2637
Sydney
Unit 3, 38 Leighton Place
Hornsby NSW 2077
Phone: 02 9476 1765
Maitland
42B Church Street
Maitland NSW 2320
Phone: 02 4933 0001

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ANALYTICAL REPORT



Accreditation No. 2562

CLIENT DETAILS

Contact Loretta Visintin
Client DLA ENVIRONMENTAL SERVICES PTY LTD
Address Unit 3
38 Leighton Pl
NSW 2077

Telephone 61 2 98700900
Facsimile 61 2 98700999
Email sydney@dlaenvironmental.com.au

Project DL 3724
Order Number (Not specified)
Samples 4

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 SE146096 R0
Date Received 17/11/2015
Date Reported 20/11/2015

COMMENTS

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

PAH-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

Ly Kim Ha
Organic Section Head

VOC's in Soil [AN433/AN434] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			16/11/2015 SE146096.001	16/11/2015 SE146096.002	16/11/2015 SE146096.003	16/11/2015 SE146096.004
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1



ANALYTICAL RESULTS

SE146096 R0

Volatile Petroleum Hydrocarbons In Soil [AN433/AN434/AN410] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			16/11/2015	16/11/2015	16/11/2015	16/11/2015
			SE146096.001	SE146096.002	SE146096.003	SE146096.004
TRH C6-C9	mg/kg	20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			16/11/2015	16/11/2015	16/11/2015	16/11/2015
			SE146096.001	SE146096.002	SE146096.003	SE146096.004
TRH C10-C14	mg/kg	20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	68	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100
TRH >C10-C16 (F2)	mg/kg	25	<25	<25	<25	<25
TRH >C10-C16 (F2) = Naphthalene	mg/kg	25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	100	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110
TRH C10-C40 Total	mg/kg	210	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			16/11/2015 SE146096.001	16/11/2015 SE146096.002	16/11/2015 SE146096.003	16/11/2015 SE146096.004
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	0.3	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.2	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	1.5	<0.1	0.2	<0.1
Anthracene	mg/kg	0.1	0.3	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	2.4	<0.1	0.4	<0.1
Pyrene	mg/kg	0.1	2.4	<0.1	0.5	<0.1
Benzo(a)anthracene	mg/kg	0.1	1.7	<0.1	0.3	<0.1
Chrysene	mg/kg	0.1	1.2	<0.1	0.2	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	1.6	<0.1	0.2	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	0.8	<0.1	0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	1.2	<0.1	0.2	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.8	<0.1	0.1	<0.1
Dibenzo(a&h)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	0.6	<0.1	0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ	0.2	1.7	<0.2	0.3	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	1.8	<0.3	0.4	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	1.7	<0.2	0.3	<0.2
Total PAH	mg/kg	0.8	15	<0.8	2.5	<0.8

Total Recoverable Metals in Soil by ICPOES [AN040/AN320] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			-	-	-	-
			16/11/2015	16/11/2015	16/11/2015	16/11/2015
			SE146096.001	SE146096.002	SE146096.003	SE146096.004
Arsenic, As	mg/kg	3	22	5	5	12
Cadmium, Cd	mg/kg	0.3	3.8	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	24	11	14	4.2
Copper, Cu	mg/kg	0.5	1100	16	32	12
Lead, Pb	mg/kg	1	960	14	45	20
Nickel, Ni	mg/kg	0.5	46	1.3	11	0.8
Zinc, Zn	mg/kg	0.5	550	13	120	13



ANALYTICAL RESULTS

SE146096 R0

Mercury In Soil [AN312] Tested: 19/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			16/11/2015	16/11/2015	16/11/2015	16/11/2015
			SE146096.001	SE146096.002	SE146096.003	SE146096.004
Mercury	mg/kg	0.01	0.23	<0.01	0.05	0.02



ANALYTICAL RESULTS

SE146096 R0

Moisture Content [AN002] Tested: 18/11/2015

PARAMETER	UOM	LOR	BH16_0.4	BH16_2.3	BH17_0.3	BH17_4.0
			SOIL	SOIL	SOIL	SOIL
			18/11/2015	18/11/2015	18/11/2015	18/11/2015
			SE146096.001	SE146096.002	SE146096.003	SE146096.004
% Moisture	%w/w	0.5	16	14	11	14

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/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.

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.

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 NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.

AN403

Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Petroleum Hydrocarbons (TPH) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.

AN403

The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.

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).

AN420

Carcinogenic PAHs may be expressed as Benzo(a)pyrene equivalents by applying the BaP toxicity equivalence factor (NEPM 1999, June 2013, B7). These can be reported as the individual PAHs and as a sum of carcinogenic PAHs. The sum is reported three ways, the first assuming all <LOR results are zero, the second assuming all <LOR results are half the LOR and the third assuming all <LOR results are the LOR.

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.

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.

FOOTNOTES

•	NATA accreditation does not cover the performance of this service.	-	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.
		LNR	Sample listed, but not received.		

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

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the "Total" LOR will be the sum of those two LORs.

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

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ANALYTICAL REPORT



Accreditation No. 2562

CLIENT DETAILS

Contact Loretta Visintin
Client DLA ENVIRONMENTAL SERVICES PTY LTD
Address Unit 3
38 Leighton Pl
NSW 2077

Telephone 61 2 98700900
Facsimile 61 2 98700999
Email sydney@dlaenvironmental.com.au

Project DL 3724
Order Number (Not specified)
Samples 4

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 SE146161 R0
Date Received 18/11/2015
Date Reported 23/11/2015

COMMENTS

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

SIGNATORIES

Andy Sutton
Senior Organic Chemist

Dong Liang
Metals/Inorganics Team Leader

VOC's in Soil [AN433/AN434] Tested: 19/11/2015

PARAMETER	UOM	LOR	BH18_0.25	BH19_0.2	BH20_0.25	BH21_0.2
			SOIL	SOIL	SOIL	SOIL
			18/11/2015 SE146161.001	18/11/2015 SE146161.002	18/11/2015 SE146161.003	18/11/2015 SE146161.004
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	0.2	0.1

Volatile Petroleum Hydrocarbons In Soil [AN433/AN434/AN410] Tested: 19/11/2015

PARAMETER	UOM	LOR	BH18_0.25	BH19_0.2	BH20_0.25	BH21_0.2
			SOIL	SOIL	SOIL	SOIL
			18/11/2015	18/11/2015	18/11/2015	18/11/2015
			SE146161.001	SE146161.002	SE146161.003	SE146161.004
TRH C6-C9	mg/kg	20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C8-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25