

Mr John Coles Bury Hill Landscape Supplies Ltd The Estate Office Old Bury Hill Westcott Nr Dorking Surrey, RH4 3JU

> 1st February 2024 Our Ref: TOHA/24/1219/1/SS

> > Your Ref: see below

Dear Sirs

Sand Factual Report: Bury Hill Horsham Yard - Jump Pit Sand

We have completed the analysis of the sand sample recently submitted, referenced *Jump Pit Sand*, and have pleasure reporting our findings.

The sample was analysed to determine a selected range of horticultural and potential contamination properties only.

SAMPLE EXAMINATION

The sample can be described as a pale yellow (Munsell Colour, 2.5YR 7/4), slightly moist, friable, non-calcareous SAND with a single grained structure. The sample was stone free and no unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.



Plate 1: Jump Pit Sand Sample

ANALYTICAL SCHEDULE

The sample was submitted to a UKAS and MCERTS accredited laboratory for a range of physical and chemical tests to confirm the composition of the sand. The following parameters were determined:

- detailed particle size analysis (5 sands, silt, clay);
- stone content (2-20mm, 20-75mm, >75mm);
- saturated hydraulic conductivity;
- pH and electrical conductivity (1:2.5 water extract);
- · exchangeable sodium percentage
- calcium carbonate.
- organic matter content;
- visible contaminants;
- heavy metals (Sb, As, B, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, V, Zn);
- total cyanide and total (mono) phenols;
- speciated PAHs (US EPA16 suite);
- aromatic and aliphatic TPH (C5-C35 banding);
- benzene, toluene, ethylbenzene, xylene (BTEX);
- asbestos screen.

The results are presented on the attached Certificates of Analysis.

TOHA/24/1219/1/SS/Jan Page 2

We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if we can be of further assistance.

H.MacRae

Harriet MacRae BSc MSc Graduate Soil Scientist

For & on behalf of Tim O'Hare Associates LLP

Matthew Heins

BSc (Hons) MISoilSci Senior Soil Scientist

TOHA/24/1219/1/SS/Jan Page 3



Client:	Bury Hill Landscape Supplies Ltd
Project	Bury Hill Horsham Yard
Job:	Sand Analysis
Date:	01/02/2024
Job Ref No:	TOHA/24/1219/1/SS

Sample Reference			Jump Pit Sand
Sample Reference		Accreditation	Jump Fit Sand
Clay (<0.002mm)	%	UKAS	0
Silt (0.002-0.05mm)	%	UKAS	0
Very Fine Sand (0.05-0.15mm)	%	UKAS	3
Fine Sand (0.15-0.25mm)	%	UKAS	22
Medium Sand (0.25-0.50mm)	%	UKAS	49
Coarse Sand (0.50-1.0mm)	%	UKAS	24
Very Coarse Sand (1.0-2.0mm)	%	UKAS	2
Total Sand (0.05-2mm)	%	UKAS	100
Texture Class (UK Classification)		UKAS	S
Stones (2-20mm)	% DW	GLP	0
Stones (20-50mm)	% DW	GLP	0
Stones (>50mm)	% DW	GLP	0
Stories (>Soriali)	/0 DVV	GLF	0
Saturated Hydraulic Conductivity	mm/hr	A2LA	866
Saturated Trydraulic Conductivity	11111/111	AZLA	000
pH Value (1:2.5 water extract)	units	UKAS	7.9
Calcium Carbonate	%	UKAS	<1.0
Electrical Conductivity (1:2.5 water extract)	uS/cm	UKAS	34
Electrical Conductivity (1:2.3 water extract)	uS/cm	UKAS	2087
Organic Matter (LOI)	%	UKAS	<0.5
Exchangeable Sodium Percentage	%	UKAS	5.9
Exchangeable Sodium Fercentage	/0	UNAS	5.9
Visible Centeminante, Planting - 2.00mm	0/	LIKAC	
Visible Contaminants: Plastics >2.00mm	%	UKAS UKAS	0
Visible Contaminants: Sharps >2.00mm	%	UKAS	0
Total Antimony (Sh)	ma/lia	MCEDIC	110
Total Arrania (As)	mg/kg	MCERTS	< 1.0
Total Arsenic (As)	mg/kg	MCERTS	2.6
Total Barium (Ba)	mg/kg	MCERTS	< 1.0
Total Beryllium (Be)	mg/kg	MCERTS	0.06
Total Cadmium (Cd)	mg/kg	MCERTS	< 0.2
Total Chromium (Cr)	mg/kg	MCERTS	3.3
Hexavalent Chromium (Cr VI)	mg/kg	MCERTS	< 1.8
Total Copper (Cu)	mg/kg	MCERTS	3.9
Total Lead (Pb)	mg/kg	MCERTS	< 1.0
Total Mercury (Hg)	mg/kg	MCERTS	< 0.3
Total Nickel (Ni)	mg/kg	MCERTS	1.1
Total Selenium (Se)	mg/kg	MCERTS	< 1.0
Total Vanadium (V)	mg/kg	MCERTS	5.5
Total Zinc (Zn)	mg/kg	MCERTS	3.2
Water Soluble Boron (B)	mg/kg	MCERTS	< 0.2
Total Cyanide (CN)	mg/kg	MCERTS	< 1.0
Total (mono) Phenols	mg/kg	MCERTS	< 1.0
Naphthalene	mg/kg	MCERTS	< 0.05
Naphthalene Acenaphthylene	mg/kg mg/kg	MCERTS MCERTS	< 0.05 < 0.05
Acenaphthylene	mg/kg	MCERTS	< 0.05
Acenaphthylene Acenaphthene	mg/kg mg/kg mg/kg	MCERTS MCERTS	< 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene	mg/kg mg/kg	MCERTS MCERTS MCERTS	< 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene	mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS	< 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
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Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
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Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indenof1.2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16)	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)byrene Dibenzo(a,h)anthracene Benzo(a,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH > C5 - C6	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.08 < 0.08 < 0.08 < 0.08 < 0.09 < 0.08 < 0.08 < 0.08 < 0.08 < 0.08 < 0.08 < 0.08 < 0.08 < 0.080 < 0.080
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C8 - C10	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.050 < 0.050 < 0.020 < 0.0500
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Dibenzo(a, h)anthracene Benzo(b)fluoranthene Ben	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.050 < 1.00
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Dibenzo(a, h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - G8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C12 - C16	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 <
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C21 Aliphatic TPH >C10 - C21	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 1.05 < 0.05 < 0.05 < 0.05 < 0.05 < 1.005 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a, h)anthracene Benzo(a,h)anthracene Benzo(a,h)arthracene Benzo(a,h)arthr	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 <
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C8 - C10 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C16 - C21 Aliphatic TPH >C21 - C35 Aliphatic TPH >C21 - C35 Aliphatic TPH >C25 - C35 Aliphatic TPH >C5 - C35 Aromatic TPH >C5 - C7	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.80
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.05 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.0000 < 0.0000 < 0.0000
Acenaphthylene Acenaphthene Fluorene Phenanthracene Fluorante Phenanthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Indeno	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.010 < 0.010 < 0.010 < 0.010
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.05 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.00
Acenaphthylene	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.010 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.010 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 8.0 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.1.0 < 2.0 < 0.050 < 1.1.0 < 0.050 < 1.1.0 < 0.050 < 1.1.0 < 0.050 < 1.1.0 < 2.0
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(a)bifluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Inden	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.01 < 0.01 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)hanthracene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - Q8 Aliphatic TPH >C6 - Q8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C12 - C16 Aliphatic TPH >C21 - C35 Aliphatic TPH >C7 - C8 Aromatic TPH >C7 - C8 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C21 Aromatic TPH >C10 - C21 Aromatic TPH >C21 - C35	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.05 < 0.01 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.01 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 0.010 < 0.010 < 0.010 < 0.010 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 0.010 < 0.010 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.010
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(a)bifluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Inden	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.01 < 0.01 < 0.01 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0
Acenaphthylene Acenaphthene Fituorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.05 < 0.01 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 2.0 < 0.05 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 3.0 < 0.05 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 0.05 < 1.0 < 2.0 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 2.0 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.010 < 0.05 < 0.000 < 0.05 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.000 < 0.0005 < 0.0005 < 0.0005 < 0.0005 < 0.0005 < 0.0005
Acenaphthylene Acenaphthene Fluorene Phenanthracene Fluorante Phenanthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)pyrene Indeno(1,2,3-cd)pyrene Indeno	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.05 < 0.01 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 1.0 < 0.000 < 1.0 < 0.010 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 1.0 < 2.0 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 0.005
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(gh,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C6 - C8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C12 - C16 Aliphatic TPH >C12 - C35 Aliphatic TPH >C3 - C35 Aliphatic TPH >C7 - C8 Aromatic TPH >C7 - C8 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C12 Aromatic TPH >C3 - C35 Aromatic TPH >C3 - C35 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C35 Aromatic TPH >C21 - C35 Aromatic TPH >C20 - C35 Aromatic TPH >C30 - C30 Aromatic TPH >C30 - C	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.01 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 1.0 < 2.0 < 0.010 < 0.010 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.1 < 1.0 < 2.1 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.010 < 0.05 < 0.000 < 0.05 < 0.000 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 8.0 < 8.0 < 1.0 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 2.0 < 1.0 < 2.0 < 1.0 < 2.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(a)byrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(gh,i)perylene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C6 - C8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C12 - C16 Aliphatic TPH >C12 - C35 Aliphatic TPH >C3 - C35 Aliphatic TPH >C7 - C8 Aromatic TPH >C7 - C8 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C12 Aromatic TPH >C3 - C35 Aromatic TPH >C3 - C35 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C35 Aromatic TPH >C21 - C35 Aromatic TPH >C20 - C35 Aromatic TPH >C30 - C30 Aromatic TPH >C30 - C	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.01 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 1.0 < 2.0 < 0.010 < 0.010 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.1 < 1.0 < 2.1 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 1.0 < 0.050 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(c)fluoranthene Benzo(mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.005 < 0.010 < 0.020 < 0.020 < 0.020 < 0.020 < 0.020 < 0.05 < 1.0 < 2.0 < 8.0 < 8.0 < 1.0 < 2.0 < 8.0 < 1.0 < 2.0 < 8.0 < 1.0 < 2.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 0.010 < 0.050 < 1.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 2.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 <
Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz(a)anthracene Chrysene Benzo(a)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthracene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Total PAHs (sum USEPA16) Aliphatic TPH >C5 - C6 Aliphatic TPH >C6 - C8 Aliphatic TPH >C6 - C8 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C10 - C12 Aliphatic TPH >C5 - C3 Aliphatic TPH >C5 - C3 Aromatic TPH >C6 - C8 Aromatic TPH >C7 - C8 Aromatic TPH >C10 - C12 Aromatic TPH >C10 - C35 Aromatic TP	mg/kg	MCERTS	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.05 < 0.010 < 0.05 < 0.000 < 0.05 < 0.000 < 0.020 < 0.020 < 0.020 < 0.020 < 0.050 < 1.0 < 2.0 < 8.0 < 8.0 < 8.0 < 8.0 < 8.0 < 8.0 < 1.0 < 0.010 < 0.010 < 0.010 < 0.050 < 1.0 < 2.0 < 1.0 < 2.0 < 1.0 < 2.0 < 0.050 < 1.0 < 0.010 < 0.050 < 1.0 < 0.010 < 0.010 < 0.050 < 1.0 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 2.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 1.0 < 0.050 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005

S = SAND

Visual Examination

The sample can be described as a pale yellow (Munsell Colour, 2.5YR 7/4), slightly moist, friable, non-calcareous SAND with a single grained structure. The sample was stone free and no unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

Results of analysis should be read in conjunction with the report they were issued with.

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H.MacRae

Harriet MacRae BSc MSc Graduate Soil Scientist