

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

> 26th August 2025 Our Ref: TOHA/25/1971/1/SS

Your Ref: see below

Dear Sirs

Topsoil Analysis Report: Bury Hill Horsham Yard - GP10 Lightweight Topsoil

We have completed the analysis of the soil sample recently collected, referenced *GP10 Lightweight Topsoil* and have pleasure reporting our findings.

The purpose of the analysis was to determine the suitability of the material for use as an intensive lightweight substrate in a rooftop or podium garden environment.

This report presents the results of analysis for the sample collected from the production site on 12/08/2025 and it should be considered 'indicative' of the topsoil source. The report and results should therefore not be used by third parties as a means of verification or validation testing, waste designation purposes or for any project-specific application, especially after the topsoil has left the Bury Hill Landscape Supplies Ltd site.

SAMPLE EXAMINATION

The sample was described as a dark greyish brown (Munsell Colour, 10YR 4/2), dry, friable, slightly calcareous LOAMY SAND with a weakly developed, very fine to fine, granular structure. The sample was virtually stone-free except for lightweight expanded clay aggregate 'leca'. No unusual odours or deleterious materials were observed.



Plate 1: GP10 Lightweight Topsoil 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 and fertility of the soil, and the concentration of selected potential contaminants. The following parameters were determined:

- detailed particle size analysis (5 sands, silt, clay);
- stone content (2-20mm, 20-50mm, >50mm);
- bulk density (as received, field capacity);
- moisture content (as received, field capacity);
- · saturated hydraulic conductivity;
- pH and electrical conductivity values;
- calcium carbonate;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- 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 Certificate of Analysis and an interpretation of the results is given below.

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RESULTS OF ANALYSIS

Particle Size Analysis and Stone Content

The sample fell into the *loamy sand* texture class with a predominance of *medium sand* (0.25-0.50mm), followed by *coarse sand* (0.50-1.0mm). This is usually acceptable for topsoil in landscape applications as reasonable porosity levels can be maintained in a consolidated state and the risk of particle interpacking is reduced. This type of grading therefore normally provides adequate water attenuation, drainage and aeration properties for landscape applications.

With the exception of 'leca' particles, the sample was virtually free of 'stone' sized material (>2mm).

Bulk Density and Saturated Hydraulic Conductivity

The sample displayed a bulk density at Field Capacity of 1.54 Mg/m³. The suitability of the bulk density result should be confirmed by the project engineer for the recipient site.

The saturated hydraulic conductivity result of the sample (95 mm/hour) indicates that the material would be described as highly permeable. As such, the substrate should demonstrate reasonable drainage performance for use in rooftop or podium garden environments. Soils used in these environments need to have satisfactory drainage performance to avoid stagnation (and therefore excess weight) and to enable efficient conveyance of water into the drainage system.

pH and Electrical Conductivity Values

The sample was strongly alkaline in reaction (pH 8.4), with a reasonably low calcium carbonate (lime) content (1.6%). This pH value would be considered suitable for landscape purposes, provided species with a wide pH tolerance of those known to prefer alkaline soils are selected for planting, turfing and seeding.

The electrical conductivity values were moderate, which indicates that soluble salts should not be present at levels that would be harmful to plants.

Organic Matter and Fertility Status

The sample was adequate to well supplied with organic matter and all major plant nutrients.

The C:N ratio of the sample was acceptable for general landscape purposes.

Potential Contaminants

In the absence of site-specific assessment criteria, the concentrations that affect human health have been compared with the *residential with home grown produce* land use in the Suitable For Use Levels (S4ULs) presented in *The LQM/CIEH S4ULs for Human Health Risk Assessment* (2015) and the DEFRA SP1010: Development of Category 4 Screening Levels (C4SLs) for Assessment of Land Affected by Contamination – Policy Companion Document (2014).

Of the potential contaminants determined, none exceeded their respective guideline values.

Note due to the dark colour of the sample, the colorimetry analysis of hexavalent chromium could not be performed in this instance (noted as U/S – "unsuitable sample" on the certificate).

Phytotoxic Contaminants

Of the phytotoxic (toxic to plants) contaminants determined (copper, nickel, zinc), none was found at levels that exceeded the maximum permissible levels.

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CONCLUSION

The purpose of the analysis was to determine the suitability of the material for use as an intensive lightweight substrate in a roof garden or podium landscape environment.

From the soil examination and subsequent laboratory analysis, the sample was described as a strongly alkaline, non-saline, slightly calcareous loamy sand with an adequate structure and high proportion of 'leca' particles. The sample was adequately supplied with organic matter and all major plant nutrients. Of the potential contaminants determined, none exceeded their respective guideline values.

Based on our findings, the substrate represented by this sample would be suitable for use as a lightweight intensive substrate for landscaping purposes in a roof garden or podium environment. Plant species selected should be tolerant of alkaline soil conditions and the physical condition of the soil maintained.

The substrate should be underlain by a suitably graded subsoil product to interface with underlying structures and / or drainage infrastructure, as appropriate. The suitability of the bulk density and the drainage properties should be confirmed by the project engineer.

Soil Handling Recommendations

It is important to maintain the physical condition of the soil and avoid structural damage during all phases of soil handling (e.g. stockpiling, respreading, cultivating, planting, seeding or turfing). As a consequence, soil handling operations should be carried out when soil is reasonably dry and non-plastic (friable) in consistency.

It is important to ensure that the soil is not unnecessarily compacted by trampling or trafficking by site machinery. If the soil is compacted at any stage during the course of soiling or landscaping works, it should be cultivated appropriately to relieve the compaction prior to any planting, turfing or seeding.

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.

Yours faithfully

Harriet MacRae BSc MSc Soil Scientist **Ceri Spears**BSc MSc MISoilSci
Senior Associate

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For & on behalf of Tim O'Hare Associates LLP

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Client:	Bury Hill Landscape Supplies Ltd
Project:	Bury Hill Horsham Yard
Job:	Topsoil Analysis
Date:	26/08/2025
Job Ref No:	TOHA/25/1971/1/SS

Sample Reference			GP10 Lightweight
•		Accreditation	Topsoil
Clav (<0.002mm)	%	UKAS	6
Silt (0.002-0.05mm)	%	ÜKAS	12
Very Fine Sand (0.05-0.15mm)	%	UKAS	5
Fine Sand (0.15-0.25mm)	%	UKAS	13
Medium Sand (0.25-0.50mm)	%	UKAS	42
Coarse Sand (0.50-1.0mm)	%	UKAS UKAS	18
Very Coarse Sand (1.0-2.0mm) Total Sand (0.05-2.0mm)	% %	UKAS	82
Texture Class (UK Classification)		UKAS	LS
Stones (2-20mm)	% DW	GLP	1
Stones (20-50mm)	% DW	GLP	0
Stones (>50mm)	% DW	GLP	0
Bulk Density (As Received)	Mg/m3	UKAS	1.25
Bulk Density (Field Capacity)	Mg/m3 %	UKAS	1.54
Moisture Content (As Received) Moisture Content (Field Capacity)	70 %	UKAS UKAS	42
Saturated Hydraulic Conductivity (m)	mm/hr	A2LA	95
pH Value (1:2.5 water extract)	units	UKAS	8.4
Calcium Carbonate	%	UKAS	1.6
Electrical Conductivity (1:2.5 water extract)	uS/cm	UKAS	1036
Electrical Conductivity (1:2 CaSO ₄ extract)	uS/cm	UKAS	3015
Exchangeable Sodium Percentage	%	UKAS	3.9
Organic Matter (LOI)	%	UKAS	7.4
Total Nitrogen (Dumas)	%	UKAS	0.22
C : N Ratio	ratio	UKAS	19
Extractable Phosphorus	mg/l	UKAS	63
Extractable Potassium	mg/l	UKAS	1447
Extractable Magnesium	mg/l	UKAS	167
Visible Contaminants: Plastics >2.00mm	%	UKAS	0.0
Visible Contaminants: Plastics >2.00mm Visible Contaminants: Sharps >2.00mm	% %	UKAS	0.0
VISIDIE CONTANTINANTS. CHAIPS 72.00MIIII	70	UIVAU	0.0
Total Antimony (Sb)	mg/kg	MCERTS	1.1
Total Arsenic (As)	mg/kg	MCERTS	7
Total Barium (Ba)	mg/kg	MCERTS	26
Total Beryllium (Be)	mg/kg	MCERTS	0.26
Total Cadmium (Cd)	mg/kg	MCERTS	<0.2
Total Chromium (Cr)	mg/kg	MCERTS	12
Hexavalent Chromium (Cr VI)	mg/kg	MCERTS MCERTS	U/S *U/S g
Total Copper (Cu) Total Lead (Pb)	mg/kg mg/kg	MCERTS	18 17
Total Mercury (Hg)	mg/kg	MCERTS	< 0.3
Total Nickel (Ni)	mg/kg	MCERTS	9
Total Selenium (Se)	mg/kg	MCERTS	<1.0
Total Vanadium (V)	mg/kg	MCERTS	22
Total Zinc (Zn)	mg/kg		
		MCERTS	44
Water Soluble Boron (B)	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN)	mg/kg mg/kg	MCERTS MCERTS	1.5
Water Soluble Boron (B)	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols	mg/kg mg/kg	MCERTS MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene	mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS	1.5 < 1.0 < 1.0 < 0.05 < 0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS	1.5 < 1.0 < 1.0 < 0.05 < 0.05 < 0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenaphthylene Acenaphthhene Fluorene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS	1.5 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05
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Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenaphthvlene Acenaphthene Fluorene Phenanthrene Anthracene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthene Acenaphthene Fluorene Phenanthrene Anthracene Fluorane	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Eluoranthene Piuranthene Pyrene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	1.5 < 1.0 < 1.0 < 1.0 < 0.05 < 0.05 < 0.05 < 0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthene Acenaphthene Fluorene Phenanthrene Anthracene Fluorane	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthene Phenanthrene Anthracene Eluoranthene Pvrene Benzo(a)anthracene	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.10 0.11 0.11 0.11 0.12
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthene Pluorene Phenanthrene Anthracene Fluoranthene Pvrene Benzo(Alanthracene Chrysene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(b)fluoranthene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06
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Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthene Fluorene Phenanthrene Anthracene Fluoranthene Pvrene Benzo(alanthracene Chrysene Benzo(aloffuoranthene Benzo(kifluoranthene Benzo(albovrene Indenoft 2 3-cdlbovrene	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 0.09 <0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Pluranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)tiluoranthene Benzo(a)tiluoranthene Benzo(a)ovrene Indeno(1.2.3-cd)byrene Dibenzo(a hanthracene	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <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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Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Pluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(h)fluoranthene Benzo(a)byrene Indeno(1.2.3-cdbyrene	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvene Eluorane Phenanthrene Anthracene Eluoranthene Purene Benzo(a)anthracene Chrysene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(a)anthracene Lindenof 1 2 3-cdlovrene Lindenof 1 2 3-cdlovrene Lindenof 1 3 -cdlovrene	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.99 <0.18 0.10 0.11 0.12 0.06 0.09 <0.05 <0.09 <0.05 <0.09 <0.05 <0.09 <0.06
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Pluoranthene Pryrene Benzo(a)anthracene Chrysene Benzo(hilluoranthene Benzo(hilluoranthene Benzo(a)ovrene Indenoft 2 3-cdlovrene Dibenzo(a hlanthracene Benzo(a, h)nervlene Benzo(a, h)nervlene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C5-C6)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.010 <0.006 0.009 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenaphthvene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pvrene Benzo(a)lanthracene Chrysene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)byrene Indenoft 2.3-cdlbyrene Dibenzo(a hlanthracene Dibenzo(a hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 0.12 0.10 0.11 0.11 0.11 0.11 0.11 0.11
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvene Acenanhthene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)anthracene Chrysene Benzo(a)brituoranthene Benzo(s)brituoranthene Benzo(a)brituoranthene Benzo(a) h)anthracene Dibenzo(a, h)anthracene Dibenzo(a, h)anthracene Benzo(a, h)aperviene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C5-C6) Aliphatic TPH (C5-C10) Aliphatic TPH (C5-C10)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthylene Acenanhthylene Eliuorene Phenanthrene Phenanthrene Eliuoranthene Eliuoranthene Eliuoranthene Eliuoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(h)filiuoranthene Benzo(k)filiuoranthene Benzo(k)filiuoranthene Benzo(k)filiuoranthene Benzo(k)filiuoranthene Benzo(a)anthracene Chrysene Indeno(1 2 3-cdlovrene Indeno(1 2 3-cdlovrene Indeno(1 2 3-dlovrene Indeno(1 2 3-dlov	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pvrene Benzo(a)anthracene Chrysene Benzo(a)hiliuoranthene Benzo(A)biliuoranthene Benzo(A)brene Indenoft 2.3-cd lowrene Dibenzo(a. h)anthracene Dibenzo(a. h)anthracene Benzo(a) h)bervlene 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-C12) Aliphatic TPH (C10-C21)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Naphthalene Acenaphthene Acenaphthene Eluorane Phenanthrene Anthracene Eluoranthene Prene Benzo(a)anthracene Chrysene Benzo(a)Inturanthene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(a) Dibenzo(a). Abanthracene Dibenzo(a). Niberviene Dital PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C1-C3-C1) Alibhatic TPH (C1-C3-C1) Alibhatic TPH (C1-C3-C3-C3-C3-C3-C3-C3-C3-C3-C3-C3-C3-C3-	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.99 <0.05 0.18 0.10 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.12 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.06 1.00 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Eluorene Phenanthrene Phenanthrene Anthracene Eluoranthene Pvrene Egenzo(alanthracene Chrysene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)pvrene Indenof1 2 3-cdlovrene Dibenzo(a, h)anthracene Dibenzo(a, h)anthracene Benzo(a) h)serviene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C8-C10) Aliphatic TPH (C8-C10) Aliphatic TPH (C9-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C21) Aliphatic TPH (C10-C21) Aliphatic TPH (C10-C21) Aliphatic TPH (C10-C35) Aliphatic TPH (C10-C35) Aliphatic TPH (C10-C35)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.12 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <1.00 3 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Eluorane Phenanthrene Anthracene Eluoranthene Phenanthrene Anthracene Eluoranthene Phenzolalanthracene Chrysene Benzo(s)filuoranthene Benzo(s)filuoranthene Benzo(s)filuoranthene Benzo(s)filuoranthene Benzo(a)ovrene Indenoft 2.3-cdlovrene Dibenzola.hlanthracene Dibenzola.hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C9-C10) Alibhatic TPH (C1-C12) Alibhatic TPH (C1-C21) Alibhatic TPH (C1-C35) Alibhatic TPH (C5-C35) Aromatic TPH (C5-C35) Aromatic TPH (C5-C67)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.09 <1.00 <0.05 <0.01 <0.01 <1.00 <1.00 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Prene Eliuoranthene Pvrene Eenzo(alanthracene Chrysene Benzo(alonthene Benzo(a	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthylene Acenanhthylene Acenanhthylene Eliuorene Phenanthrene Phenanthrene Eliuoranthene Purene Benzo(a)anthracene Eliuoranthene Benzo(a)anthracene Chrysene Benzo(a)biliuoranthene Benzo(k)filiuoranthene Benzo(k)fili	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.2 0.18 0.10 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 0.2 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Eluoranthene Pvrene Eluoranthene Pvrene Benzo(alanthracene Chrysene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(k)fluoranthene Benzo(a)byrene Indenof1 2 3-cdlovrene Dibenzo(a h)anthracene Dibenzo(a h)anthracene Benzo(a) h)serviene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C8-C10) Aliphatic TPH (C9-C12) Aliphatic TPH (C9-C212) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C35) Aliphatic TPH (C10-C35) Aliphatic TPH (C10-C35) Aliphatic TPH (C10-C35) Aliphatic TPH (C5-C7) Aromatic TPH (C5-C6) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C9-C12) Aromatic TPH (C9-C12) Aromatic TPH (C10-C12)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 0.09 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.005 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <1.0 3 3 <8.0 28 31 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)thluoranthene Benzo(s)filiuoranthene Benzo(s)filiuoranthene Benzo(a) nhanthracene Dibenzo(a, h)anthracene Dibenzo(a, h)anthracene Benzo(a) h) pherviene Dibenzo(a, h)anthracene Benzo(a) h) pherviene Dialphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C9-C12) Alinhatic TPH (C12-C16) Aliphatic TPH (C12-C35) Alinhatic TPH (C12-C35) Alinhatic TPH (C12-C35) Alinhatic TPH (C7-C8) Aromatic TPH (C7-C8) Aromatic TPH (C7-C8) Aromatic TPH (C10-C12)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Eluoranthene Phenanthrene Chrysene Benzo(alanthracene Chrysene Benzo(hilluoranthene Benzo(killuoranthene Benzo(alovrene Indenot1 2 3-cdlovrene Indenot1 2 3-cdlovrene Dibenzo(a. hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliohatic TPH (C1-C12) Aliohatic TPH (C1-C21) Aliohatic TPH (C1-C21) Aliohatic TPH (C5-C35) Aromatic TPH (C5-C35) Aromatic TPH (C3-C30) Aromatic TPH (C3-C10) Aromatic TPH (C3-C10) Aromatic TPH (C3-C30) Aromatic TPH (C3-C30) Aromatic TPH (C1-C42)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.010 <0.010 <0.010 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.010 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(a)thluoranthene Benzo(s)filiuoranthene Benzo(s)filiuoranthene Benzo(a) nhanthracene Dibenzo(a, h)anthracene Dibenzo(a, h)anthracene Benzo(a) h) pherviene Dibenzo(a, h)anthracene Benzo(a) h) pherviene Dialphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C9-C12) Alinhatic TPH (C12-C16) Aliphatic TPH (C12-C35) Alinhatic TPH (C12-C35) Alinhatic TPH (C12-C35) Alinhatic TPH (C7-C8) Aromatic TPH (C7-C8) Aromatic TPH (C7-C8) Aromatic TPH (C10-C12)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Eluoranthene Phenanthrene Chrysene Benzo(alanthracene Chrysene Benzo(hilluoranthene Benzo(killuoranthene Benzo(alovrene Indenot1 2 3-cdlovrene Indenot1 2 3-cdlovrene Dibenzo(a. hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliohatic TPH (C1-C12) Aliohatic TPH (C1-C21) Aliohatic TPH (C1-C21) Aliohatic TPH (C5-C35) Aromatic TPH (C5-C35) Aromatic TPH (C3-C30) Aromatic TPH (C3-C10) Aromatic TPH (C3-C10) Aromatic TPH (C3-C30) Aromatic TPH (C3-C30) Aromatic TPH (C1-C42)	mg/kg	MCERTS	1.5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 0.2 0.18 0.10 0.11 0.11 0.12 0.06 0.09 <0.05 <0.05 <0.05 <0.05 <0.05 <0.010 <0.010 <0.010 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.010 <0.010 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.0
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthylene Acenanhthylene Eliuorane Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Purene Benzo(a)anthracene Eliuoranthene Benzo(a)anthracene Chrysene Benzo(h)fliuoranthene Benzo(k)fliuoranthene Benzo(k)fliuoranthene Benzo(k)fliuoranthene Benzo(k)fliuoranthene Benzo(a)brene Indeno(1 2 3-cd)bvrene Dibenzo(a, h)anthracene Benzo(a)bvrene Indeno(1 2 3-cd)bvrene Dibenzo(a, h)anthracene Benzo(a) h)berviene Total PAHs (sum USEPA16) Aliphatic TPH (C6-C6) Aliphatic TPH (C8-C10) Aliphatic TPH (C8-C10) Aliphatic TPH (C8-C11) Aliphatic TPH (C16-C21) Aliphatic TPH (C8-C35) Aliphatic TPH (C8-C35) Aromatic TPH (C8-C36) Aromatic TPH (C12-C36) Aromatic TPH (C10-C12) Aromatic TPH (C12-C35) Aromatic TPH (C10-C12) Aromatic TPH (C12-C35) Aromatic TPH (C10-C12) Aromatic TPH (C10-C21) Aromatic TPH (C10-C21) Aromatic TPH (C10-C21) Aromatic TPH (C10-C235) Aromatic TPH (C10-C35) Aromatic TPH (C3-C35)	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total (yanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Eluorane Phenanthrene Phenanthrene Phenanthrene Eluoranthene Pyrene Eluoranthene Pyrene Benzo(alanthracene Chrysene Benzo(kifluoranthene Benzo(kifluoranthene Benzo(kifluoranthene Benzo(alovrene Indenoft 1.2 3-cdlovrene Dibenzo(a. hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Alibhatic TPH (C1-C12) Alibhatic TPH (C1-C212) Alibhatic TPH (C1-C35) Aliphatic TPH (C1-C35) Aromatic TPH (C3-C35) Aromatic TPH (C3-C35) Aromatic TPH (C1-C35) Aromatic TPH (C3-C35) Benzene Toluene	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Acenanhthviene Phenanthrene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pyrene Benzo(alanthracene Chrysene Benzo(al) Diliuoranthene Benzo(Albiliuoranthene Benz	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthviene Acenanhthviene Acenanhthrene Phenanthrene Phenanthrene Phenanthrene Phenanthrene Pyrene Ejuoranthene Pyrene Ejenzo(alanthracene Chrysene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(h)fluoranthene Benzo(a)byrene Indenof1 2 3-cdlovrene Dibenzo(a) hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C8-C10) Aliphatic TPH (C1-C12) Aliphatic TPH (C1-C35) Aliphatic TPH (C1-C35) Aromatic TPH (C3-C35) Aromatic TPH (C3-C10) Aromatic TPH (C3-C35) Aromatic TPH (C3-C35) Aromatic TPH (C1-C36) Aromatic TPH (C1-C36) Aromatic TPH (C1-C36) Aromatic TPH (C1-C36) Aromatic TPH (C1-C35) Aromatic TPH (C3-C35)	mg/kg	MCERTS	1.5
Water Soluble Boron (B) Total Cyanide (CN) Total (mono) Phenols Nanhthalene Acenanhthvlene Acenanhthvlene Acenanhthvlene Phenanthrene Phenanthrene Phenanthrene Phenanthrene Eliuoranthene Pyrene Benzo(alanthracene Chrysene Benzo(al) Diffuoranthene Benzo(alliuoranthene Benzo(alburene Indenoft 12 3-ed lowrene Dibenzo(a. hlanthracene Dibenzo(a. hlanthracene Total PAHs (sum USEPA16) Aliphatic TPH (C5-C6) Aliphatic TPH (C6-C8) Aliphatic TPH (C1-C-11) Aliohatic TPH (C1-C-12) Aliohatic TPH (C1-C-13) Aliohatic TPH (C5-C7) Aromatic TPH (C5-C7) Aromatic TPH (C3-C35) Aromatic TPH (C1-C-12) Aromatic TPH (C3-C35) Aromatic TPH (C3-C35) Aromatic TPH (C3-C35) Aromatic TPH (C1-C3-C35) Benzene Toluene Elitylbenzene Toluene Elitylbenzene Toluene	mg/kg	MCERTS	1.5

LS = LOAMY SAND U/S *U/S g = Unsuitable Sample

Visual Examination

The sample was described as a dark greyish brown (Munsell Colour, 10YR 4/2), dry, friable, slightly calcareous LOAMY SAND with a weakly developed, very fine to fine, granular structure. The sample was virtually stone free except for lightweight expanded clay aggregate 'leca'. No unusual odours or deleterious materials were observed.

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

H.MacRae

Harriet MacRae BSc MSc Soil Scientist