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10<sup>th</sup> March 2025 Our Ref: TOHA/25/1641/2/SS/Iss.2

Your Ref: see below

**Dear Sirs** 

# Topsoil Analysis Report: Bury Hill Horsham Yard - GP10 Plus Topsoil (S)

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

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil).

This report presents the results of analysis for the sample collected from the production site on 02/12/2024 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 very dark greyish brown (Munsell Colour 10YR 3/2), slightly moist, friable, slightly calcareous LOAMY SAND with weakly developed, very fine to fine granular structure\*. The sample had a very low stone content and contained moderate proportions of organic fines and occasional woody fragments. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

\*This appraisal of soil structure was made from examination of a disturbed sample. Structure is a key soil characteristic that may only be accurately assessed by examination in an in-situ state.



Plate 1: Sample GP10 Plus Topsoil (S)

#### **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);
- saturated hydraulic conductivity;
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- organic matter content;
- C:N ratio;
- 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. Further detailed particle size analysis found the sample to have a sufficiently narrow particle size distribution and a predominance of *medium sand* (0.25-0.50mm) followed by *fine sand* (0.15-0.25mm). This is usually ideal for topsoil in general 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 general landscape applications.

The stone content of the sample was very low and, as such, stones should not restrict the use of the soil for general landscape purposes.

## Saturated Hydraulic Conductivity

The saturated hydraulic conductivity test is designed to test the sample's drainage potential under a moderate degree of compaction. The saturated hydraulic conductivity of the sample was moderate (26 mm/hr) and would be considered suitable for general landscape purposes.

## pH and Electrical Conductivity Values

The sample was strongly alkaline in reaction (pH 8.5), with a low calcium carbonate (lime) content. This pH value would be considered suitable for general landscape purposes provided species with a wide pH tolerance or those known to prefer alkaline soils are selected for planting, turfing and seeding.

The electrical conductivity (salinity) value (water extract) was low, which indicates that soluble salts would not be present at levels that would be harmful to plants.

The electrical conductivity value by CaSO<sub>4</sub> extract (BS3882 requirement) fell below the maximum specified value (3300 μS/cm) given in BS3882:2015 – Table 1.

### Organic Matter and Fertility Status

The sample was adequately supplied with organic matter and all major plant nutrients.

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

#### **Potential Contaminants**

With reference to *BS3882:2015 - Table 1*: Notes 3 and 4, there is a requirement to confirm levels of potential contaminants in relation to the topsoil's proposed end use. This includes human health, environmental protection and metals considered toxic to plants. In the absence of site-specific assessment criteria, the concentrations that affect human health have been compared with the *residential with homegrown 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.

## Phytotoxic Contaminants

Of the phytotoxic (toxic to plants) contaminants determined (copper, nickel, zinc), none was found at levels that exceeded the maximum permissible levels specified in BS3882:2015 – Table 1.

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#### **CONCLUSION**

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil).

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 very low stone content. The sample contained sufficient reserves of organic matter and all major plant nutrients. Of the potential contaminants determined, none exceeded their respective guideline values.

To conclude, based on our findings, the topsoil represented by this sample would be considered suitable for general landscape purposes (trees, shrubs and amenity grass), provided species with a wide pH tolerance or those known to prefer alkaline soils are selected and the physical condition of the soil is satisfactory.

The topsoil was fully compliant with the requirements of the British Standard for Topsoil (BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil).

## 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 sufficiently dry to be non-plastic (friable) in consistency.

It is important to ensure that the soil is not unnecessarily compacted by trampling or trafficking by site machinery, and soil handling should be stopped during and after heavy rainfall and not continued until the soil is friable in consistency. If the soil is structurally damaged and compacted at any stage during the course of soiling or landscaping works, it should be cultivated appropriately to relieve the compaction and to restore the soil's structure prior to any planting, turfing or seeding.

Further details on soil handling are provided in Annex A of BS3882:2015.

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

For & on behalf of Tim O'Hare Associates LLP

Ceri Spears BSc MSc MISoilSci Senior Associate

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Client:	Bury Hill Landscape Supplies Ltd
Project:	Bury Hill Horsham Yard
Job:	Topsoil Analysis - BS3882:2015
Date:	10/03/2025
Job Ref No:	TOHA/24/1641/2/SS/Iss.2



			TIM OTIAKL ASSC	017 11 20
0 1 0 /			GP10 Plus SOIL & LANDSCAPE CON	ISUITANCY
Sample Reference			Topsoil (S)	OOLIMITOT
		Accreditation	10,000	
Clay (<0.002mm)	%	UKAS	6	
Silt (0.002-0.05mm)	%	UKAS	10	
Very Fine Sand (0.05-0.15mm)	%	UKAS	9	
Fine Sand (0.15-0.25mm)	%	UKAS	26	
Medium Sand (0.25-0.50mm)	%	UKAS	35	
Coarse Sand (0.50-1.0mm)	%	UKAS	12	
Very Coarse Sand (1.0-2.0mm)	%	UKAS	2	
Total Sand (0.05-2.0mm)	%	UKAS	84	
Texture Class (UK Classification)		UKAS	LS	
Stones (2-20mm)	% DW	GLP	1	
Stones (20-50mm)	% DW	GLP	0	
Stones (>50mm)	% DW	GLP	0	
Stories (>30mm)	70 DVV	GLF	0	
0-66		A OL A		
Saturated Hydraulic Conductivity (m)	mm/hr	A2LA	26	
		,		
pH Value (1:2.5 water extract)	units	UKAS	8.5	
Calcium Carbonate	%	UKAS	1.4	
Electrical Conductivity (1:2.5 water extract)	uS/cm	UKAS	281	
Electrical Conductivity (1:2 CaSO <sub>4</sub> extract)	uS/cm	UKAS	2906	
Exchangeable Sodium Percentage	%	UKAS	4.7	
-				
Organic Matter (LOI)	%	UKAS	3.0	
Total Nitrogen (Dumas)	%	UKAS	0.16	
C : N Ratio	ratio	UKAS	11	
Extractable Phosphorus	mg/l	UKAS	56	
Extractable Priosphorus  Extractable Potassium		UKAS	923	
	mg/l			
Extractable Magnesium	mg/l	UKAS	80	
F				
Visible Contaminants: Plastics >2.00mm	%	UKAS	0	
Visible Contaminants: Sharps >2.00mm	%	UKAS	0	
Total Antimony (Sb)	mg/kg	MCERTS	< 1.0	
Total Arsenic (As)	mg/kg	MCERTS	4	
Total Barium (Ba)	mg/kg	MCERTS	10	
Total Beryllium (Be)	mg/kg	MCERTS	0.13	
Total Cadmium (Cd)	mg/kg	MCERTS	< 0.2	
Total Chromium (Cr)	mg/kg	MCERTS	6	
Hexavalent Chromium (Cr VI)	mg/kg	MCERTS	<1.8	
Total Copper (Cu)	mg/kg	MCERTS	5	
Total Lead (Pb)	mg/kg	MCERTS	5	
Total Mercury (Hg)	mg/kg	MCERTS	< 0.3	
Total Nickel (Ni)	mg/kg	MCERTS	3	
Total Selenium (Se)	mg/kg	MCERTS	< 1.0	
Total Vanadium (V)	mg/kg	MCERTS	10	
Total Zinc (Zn)	mg/kg	MCERTS	15	
Water Soluble Boron (B)	mg/kg	MCERTS	1.8	
Total Cyanide (CN)	mg/kg	MCERTS	< 1.0	
Total (mono) Phenols	mg/kg	MCERTS	< 1.0	
Naphthalene	mg/kg	MCERTS	< 0.05	
Acenaphthylene	mg/kg	MCERTS	< 0.05	
Acenaphthene	mg/kg	MCERTS	< 0.05	
Fluorene	mg/kg	MCERTS	< 0.05	
Phenanthrene	mg/kg	MCERTS	< 0.05	
Anthracene	mg/kg	MCERTS	< 0.05	
Fluoranthene	mg/kg	MCERTS	< 0.05	
Pyrene		MCERTS	< 0.05	
	mg/kg			
Benzo(a)anthracene	mg/kg	MCERTS	< 0.05	
Chrysene	mg/kg	MCERTS	< 0.05	
Benzo(b)fluoranthene	mg/kg	MCERTS	< 0.05	
Benzo(k)fluoranthene	mg/kg	MCERTS	< 0.05	
Benzo(a)pyrene	mg/kg	MCERTS	< 0.05	
Indeno(1,2,3-cd)pyrene	mg/kg	MCERTS	< 0.05	
Dibenzo(a,h)anthracene	mg/kg	MCERTS	< 0.05	
Benzo(g,h,i)perylene	mg/kg	MCERTS	< 0.05	
Total PAHs (sum USEPA16)	mg/kg	MCERTS	< 0.80	
Aliphatic TPH (C5-C6)	mg/kg	MCERTS	< 0.010	
Aliphatic TPH (C6-C8)	mg/kg mg/kg	MCERTS MCERTS	< 0.010 < 0.010	
Aliphatic TPH (C6-C8)	mg/kg	MCERTS	< 0.010	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10)	mg/kg mg/kg mg/kg	MCERTS MCERTS	< 0.010 < 0.010	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16)	mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS	<0.010 <0.010 <1.0 <2.0	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21)	mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C21-C35)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS	<0.010 <0.010 <1.0 <2.0 <8.0 <8.0	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS MCERTS	<0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	<0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10 <0.010	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C35) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010	
Aliphatic TPH (C8-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8) Aromatic TPH (C8-C10)	mg/kg	MCERTS	<0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10 <0.010 <0.010 <0.020	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C16-C21) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12)	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.020 < 1.0	
Aliphatic TPH (C8-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C35) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C16)	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.020 < 1.0 < 2.0	
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Aliphatic TPH (C8-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C18-C21) Aliphatic TPH (C18-C21) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C18-C21)	mg/kg	MCERTS	<0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10 <0.010 <0.010 <0.020 <1.0 <2.0 <4.10 <0.020 <1.0 <2.0 <4.10 <2.0 <4.10 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.0 <4.	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C16-C21) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C21-C35) Aromatic TPH (C5-C35)	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.020 < 1.0 < 2.0 < 1.0 < 2.10 < 2.10 < 3.10 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0 < 1.0	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C16-C21) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C35) Aromatic TPH (C5-C35)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.020 < 1.0 < 1.0 < 2.0 < 10 < 0.020 < 1.0 < 2.0 < 10 < 10 < 0.020 < 11.0 < 2.0 < 10 < 10 < 10 < 10 < 10 < 10 < 10 < 1	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C7-C8) Aromatic TPH (C8-C10) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C3-C35) Aromatic TPH (C5-C35) Benzene Toluene	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.010 < 0.020 < 1.0 < 2.0 < 10 < 10 < 10 < 0.10 < 0.020 < 1.0 < 10 < 10 < 10 < 10 < 10 < 10 < 10	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C18-C21) Aliphatic TPH (C18-C21) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C35) Benzene Toluene Ethylbenzene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	MCERTS	<0.010 <0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10 <0.010 <0.010 <0.020 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	
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Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C18-C21) Aliphatic TPH (C18-C21) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C35) Benzene Toluene Ethylbenzene	mg/kg	MCERTS	<0.010 <0.010 <0.010 <1.0 <2.0 <8.0 <8.0 <10 <0.010 <0.010 <0.020 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C35) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C35) Benzene Toluene Ethylbenzene p & m-xylene	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.020 < 1.0 < 2.0 < 10 < 10 < 0.020 < 110 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005	
Aliphatic TPH (C6-C8) Aliphatic TPH (C8-C10) Aliphatic TPH (C10-C12) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C16) Aliphatic TPH (C12-C35) Aliphatic TPH (C21-C35) Aliphatic TPH (C5-C35) Aliphatic TPH (C5-C35) Aromatic TPH (C5-C7) Aromatic TPH (C8-C10) Aromatic TPH (C8-C10) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C10-C12) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C21) Aromatic TPH (C16-C35) Benzene Toluene Ethylbenzene p & m-xylene	mg/kg	MCERTS	< 0.010 < 0.010 < 1.0 < 2.0 < 2.0 < 8.0 < 8.0 < 10 < 0.010 < 0.020 < 1.0 < 2.0 < 10 < 10 < 0.020 < 110 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005	

LS = LOAMY SAND

Visual Examination

The sample was described as a very dark greyish brown (Munsell Colour 10YR 3/2), slightly moist, friable, slightly calcareous LOAMY SAND with weakly developed, very fine to fine granular structure. The sample had a very low stone content and contained moderate proportions of organic fines and occasional woody fragments. 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 Soil Scientist