

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

30<sup>th</sup> October 2023 Our Ref: TOHA/23/1152/2/SS

Your Ref: see below

**Dear Sirs** 

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

We have completed the analysis of the soil sample recently submitted, referenced *GP10 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 submitted to our office, 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), slightly moist, friable, very slightly calcareous LOAMY SAND with weakly developed, fine to medium and very occasionally coarse granular structure\*. The sample was very slightly stony 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(s). Structure is a key soil characteristic that may only be accurately assessed by examination in an in-situ state.



Plate 1: Sample GP10 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, which is usually considered suitable for general landscape applications provided the soil's physical condition is satisfactory.

Further detailed particle size analysis found the sample to have a reasonably narrow particle size distribution and a predominance of *medium sand* (0.25-0.50mm). This is usually ideal for topsoil in general landscape applications as reasonable porosity levels are generally 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 (27 mm/hr) and would be considered suitable for general landscape purposes.

## pH and Electrical Conductivity Values

The sample was alkaline in reaction (pH 7.9). 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 moderately high. Although the growth of many plant species (including amenity turf) are unlikely to be affected by this level of salinity, it is possible that salt sensitive species, including emergent seedlings, could show reduced growth potential.

The electrical conductivity value by CaSO<sub>4</sub> extract (3352  $\mu$ S/cm - BS3882 requirement) slightly exceeded the maximum specified value (3300  $\mu$ S/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 an alkaline, non-saline, very slightly calcareous loamy sand with a weakly developed 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 also 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 Graduate Soil Scientist Matthew Heins BSc (Hons) MISoilSci Senior Soil Scientist

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 - BS3882:2015		
Date:	30/10/2023		
Job Ref No:	TOHA/23/1152/2/SS		

Cap   C4 0022cm	Sample Reference			GP10 Topsoil (S)
Caller Conference   S.   DAGS   10   10   10   10   10   10   10   1	•		Accreditation	
Self Option	Clay (<0.002mm)	%		10
Fine Search of 15-0 Zimon  The Search of 15-			UKAS	
Modern Series   10.00   10.0				
Course Service   County   Co	Fine Sand (0.15-0.25mm)		UKAS	
Van Coeme Sand (1.6.2 ont)   Van Coeme Sand				
Total Search (OS-2 Dems)				
Teature Class IMC Consertation) —				
Stores   Colomo   Colomo   Stores   Colomo   C				
Sizera (1956)				
Stances ( Popularia)				
Pit Valle II 2.8 water extinact			GLP	
Pubmis   CLS   water extract		70 DVV	GLI	
Calcuter Conformation	Saturated Hydraulic Conductivity (m)	mm/hr	A2LA	27
Electrical Conductivity (1/2 a Sub central)   USS   UNAS   2046				
Electrical Conductivity (12 CaSS), estated   Scient   S				
Exchangeable Sodum Percentage	Electrical Conductivity (1:2.5 water extract)			
Organic Matter (LOI)         %         UKAS         6.8           Creal Miscoper (Domain)         5         UKAS         0.9           Extractable Prosperous         mgl         UKAS         44           Extractable Prosperous         mgl         UKAS         44           Extractable Prosperous         mgl         UKAS         516           Total Assenic (As)         mgkg         MCERTS         616           Total Assenic (As)         mgkg         MCERTS         7           Total Explaint (Ba)         mgkg         MCERTS         7           Total Explaint (Ba)         mgkg         MCERTS         20           Total Explaint (Ba)         mgkg         MCERTS         20           Total Commun (Ca)         mgkg         MCERTS         3.3           Total Commun (Ca)         mgkg         MCERTS         4.18           Total Commun (Ca)         mgkg         MCERTS         4.18           Total Morary (Ng)         mgkg         MCERTS         4.18           Total Morary (Ng)         mgkg         MCERTS         5.3           Total Morary (Ng)         mgkg         MCERTS         5.3           Total Morary (Ng)         mgkg         MCERTS <t< td=""><td></td><td></td><td></td><td></td></t<>				
Total Nation   Total Marcine	Exchangeable Sodium Percentage	%	UKAS	4.9
Total Nation   Total Marcine	Organic Matter (LOI)	%	UKAS	6.8
C. N. Patalo				
Extractable Procession	C : N Ratio			
Enterchalbe Polasseium   mg/l UKAS   516			UKAS	44
Total Anstract (Se)	Extractable Potassium	mg/l	UKAS	516
Total Parturn (89) mg/kg MCERTS 7   Total Entirum (89) mg/kg MCERTS 2   Total Entirum (89) mg/kg MCERTS 7   Total Entirum (89) mg/kg MCERTS	Extractable Magnesium	mg/l	UKAS	105
Total Parturn (89) mg/kg MCERTS 7   Total Entirum (89) mg/kg MCERTS 2   Total Entirum (89) mg/kg MCERTS 7   Total Entirum (89) mg/kg MCERTS	T-t-I A-ti (Ch)		MOEDTO	
Total Barulum (Ba)				
Total Devilum (Bo)				
Total Chornium (Cr)				
Total Chromium (Cr VI)				
Heavarient Chromium (Cr VI)				
Total Lead (Pb) mg/kg MCERTS Total McCERTS Total Several (Ns) mg/kg MCERTS Total Control (Phonos) mg/kg MCERTS Total Control (Phonos) mg/kg MCERTS Total Control (Phonos) mg/kg MCERTS Total (McCERTS) mg/kg MCERTS Total McCERTS Total McCERT				
Total Leader (Pb)		mg/kg		
Total Neckel (NI)				18
Total Seneinum (Se)	Total Mercury (Hg)	mg/kg		
Total Vanedumi (V)		mg/kg		
Total Zinc (Zn)				
Water Soluble Boron (B)         mg/kg         MCERTS           Total (yanied (CN)         mg/kg         MCERTS           Total (yanied (CN)         mg/kg         MCERTS           Total (mono) Phenois         mg/kg         MCERTS           Naphthalene         mg/kg         MCERTS           Acenaphtylene         mg/kg         MCERTS           Hororathene         mg/kg         MCERTS           Phenaphtyne         mg/kg         MCERTS           Prene         mg/kg         MCERTS           Benzo(alphtyne)         mCERTS         0.19           Pyrene         mg/kg         MCERTS           Benzo(alphtyne)         mg/kg         MCERTS           Chrysene         mg/kg         MCERTS           Benzo(alphtyne)         mg/kg         MCERTS           Benzo(alphtyne)         mg/kg         MCERTS           Benzo(alphtyne)         mg/kg         MCERTS           O.10         Debrace habithracene         mg/kg				
Total Cyandre (CN)				
Naphthalene	Vivater Soluble Boron (B) Total Cyanida (CN)			
Naphthalene         mg/kg         MCERTS           Acenaphthylene         mg/kg         MCERTS           Acenaphthylene         mg/kg         MCERTS           Fluorene         mg/kg         MCERTS           Phenanthrene         mg/kg         MCERTS           Anthracene         mg/kg         MCERTS           Houranthene         mg/kg         MCERTS           Horanthene         mg/kg         MCERTS           Horanthrene         mg/kg         MCERTS           Horanthrene         mg/kg         MCERTS           O.19         mg/kg         MCERTS           O.19         mg/kg         MCERTS           O.19         mg/kg         MCERTS           O.19         mg/kg         MCERTS           O.07         mg/kg         MCERTS           O.08         merzo(b/fuoranthene         mg/kg         MCERTS           Benzo(a/pytene         mg/kg         MCERTS         0.05           Benzo(a/pytene         mg/kg         MCERTS         0.00           Debezo(a) piprine         mg/kg         MCERTS         0.00           Debezo(a) piprine         mg/kg         MCERTS         0.00           Debezo(a) piprine </td <td></td> <td></td> <td></td> <td></td>				
Acenaphthylene	Total (mono) Friendis	ilig/kg	IVIOLITIO	11.0
Acenaphthylene         mg/kg         MCERTS         < 0.05           Fluorene         mg/kg         MCERTS         0.12           Phenanthrene         mg/kg         MCERTS         0.13           Anthracene         mg/kg         MCERTS         0.05           Fluoranthene         mg/kg         MCERTS         0.09           Pyrene         mg/kg         MCERTS         0.18           Benzo(alpharbacene         mg/kg         MCERTS         0.07           Chrysene         mg/kg         MCERTS         0.08           Benzo(alpharbacene         mg/kg         MCERTS         0.08           Benzo(alpharbacene         mg/kg         MCERTS         0.09           Benzo(alpharbacene         mg/kg         MCERTS         0.05           Benzo(alpharbacene         mg/kg         MCERTS         0.05           Benzo(alpharene         mg/kg         MCERTS         0.05           Diberzo(al) hardracene         mg/kg         MCERTS         0.09           Diberzo(al) hardracene         mg/kg         MCERTS         0.09           Diberzo(al) hardracene         mg/kg         MCERTS         0.09           Benzo(a) hiperylene         mg/kg         MCERTS	Naphthalene	mg/kg	MCERTS	0.30
Pilorene   mg/kg   MCERTS   0.12			MCERTS	< 0.05
Phenanthrene	Acenaphthene	mg/kg		
Anthracene         mg/kg         MCERTS         < 0.05           Pyrene         mg/kg         MCERTS         0.19           Pyrene         mg/kg         MCERTS         0.18           Benzolaplantracene         mg/kg         MCERTS         0.07           Chysene         mg/kg         MCERTS         0.08           Benzolaplyrene         mg/kg         MCERTS         0.12           Benzolapyrene         mg/kg         MCERTS         0.05           Benzolapyrene         mg/kg         MCERTS         0.09           Diberzola, hjanthracene         mg/kg         MCERTS         0.09           Diberzola, hjanthracene         mg/kg         MCERTS         0.09           Total PAHs (sum USEPAHS)         0.09         MCERTS         0.09           Allphatic TPH (C5-C6)         mg/kg         MCERTS         4.0.10           Allphatic TPH (C8-C10)         mg/kg         MCERTS         < 0.10	Fluorene	mg/kg		
Fluoranthene				
Pyrene				
Benzo(a)anthracene         mg/kg         MCERTS         0.07           Chrysene         mg/kg         MCERTS         0.08           Benzo(k)fluoranthene         mg/kg         MCERTS         0.12           Benzo(a)pyrene         mg/kg         MCERTS         0.05           Benzo(a)pyrene         mg/kg         MCERTS         0.09           Dibenzo(a)pyrene         mg/kg         MCERTS         0.09           Dibenzo(a)pyrene         mg/kg         MCERTS         0.09           Dibenzo(a)pyrene         mg/kg         MCERTS         0.09           Benzo(g,h,l)perylene         mg/kg         MCERTS         0.09           Dibenzo(a), bandintracene         mg/kg         MCERTS         0.05           Benzo(g,h,l)perylene         mg/kg         MCERTS         0.05           Benzo(a), hoperylene         mg/kg         MCERTS         0.05           Benzo(a), hoperylene         mg/kg         MCERTS         0.05           Benzo(b), hoperylene         mg/kg         MCERTS         0.05           Aliphatic TPH (C5-C6)         mg/kg         MCERTS         < 0.10           Aliphatic TPH (C10-C12)         mg/kg         MCERTS         < 2.0           Aliphatic TPH (C12-C35)				
Chrysene				
Benzo(bifluoranthene         mg/kg         MCERTS           Benzo(a)pyrene         mg/kg         MCERTS           Benzo(a)pyrene         mg/kg         MCERTS           Indenot1,2,3-cd)pyrene         mg/kg         MCERTS           Dibenzo(a), hanthracene         mg/kg         MCERTS           Benzo(gh,i)perylene         mg/kg         MCERTS           Benzo(gh,i)perylene         mg/kg         MCERTS           Joal         MCERTS         0.09           Total PAHs (sum USEPA16)         mg/kg         MCERTS           Aliphatic TPH (C5-C6)         mg/kg         MCERTS           Aliphatic TPH (C8-C10)         mg/kg         MCERTS           Aliphatic TPH (C8-C10)         mg/kg         MCERTS           Aliphatic TPH (C10-C12)         mg/kg         MCERTS           Aliphatic TPH (C12-C16)         mg/kg         MCERTS           Aliphatic TPH (C14-C210)         mg/kg         MCERTS           Aliphatic TPH (C14-C210)         mg/kg         MCERTS           Aliphatic TPH (C14-C216)         mg/kg         MCERTS           Aliphatic TPH (C3-C35)         mg/kg         MCERTS           Aliphatic TPH (C3-C35)         mg/kg         MCERTS           Aliphatic TPH (C3-C35)         m				
Benzo(k)fluoranthene         mg/kg         MCERTS           Benzo(a)pyrene         mg/kg         MCERTS         0.10           Indeno(1,2,3-cd)pyrene         mg/kg         MCERTS         0.09           Dibenzo(gh,h)perlyene         mg/kg         MCERTS         0.09           Benzo(gh,h)perlyene         mg/kg         MCERTS         0.09           Total PAHs (sum USEPA16)         mg/kg         MCERTS         1.75           Aliphatic TPH (C5-C6)         mg/kg         MCERTS         0.10           Aliphatic TPH (C8-C7)         mg/kg         MCERTS         0.10           Aliphatic TPH (C8-C10)         mg/kg         MCERTS         0.10           Aliphatic TPH (C10-C12)         mg/kg         MCERTS         < 0.10				
Benzo(a)pyrene         mg/kg         MCERTS         0.10           Indeno(1,2,3-cd)pyrene         mg/kg         MCERTS         0.09           Dibenzo(a,h)anthracene         mg/kg         MCERTS         < 0.05				
Indenot   2,3-ed)pyrene				
Dibenzo(a, h)anthracene				
Benzo(g), i)perylene         mg/kg         MCERTS           Total PAHs (sum USEPA16)         mg/kg         MCERTS           Aliphatic TPH (C5-C6)         mg/kg         MCERTS           Aliphatic TPH (C6-C8)         mg/kg         MCERTS           Aliphatic TPH (C8-C10)         mg/kg         MCERTS           Aliphatic TPH (C10-C12)         mg/kg         MCERTS           Aliphatic TPH (C12-C16)         mg/kg         MCERTS           Aliphatic TPH (C16-C21)         mg/kg         MCERTS           Aliphatic TPH (C21-C35)         mg/kg         MCERTS           Aliphatic TPH (C21-C35)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C7-C8)         mg/kg         MCERTS           Aromatic TPH (C7-C8)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C21)         mg/kg         MCERTS           Aromatic TPH (C21-C35)         mg/kg         MCERTS           Aromatic T		mg/kg		
Total PAHs (sum USEPA16)         mg/kg         MCERTS           Aliphatic TPH (C5-C6)         mg/kg         MCERTS           Aliphatic TPH (C8-C8)         mg/kg         MCERTS           Aliphatic TPH (C8-C10)         mg/kg         MCERTS           Aliphatic TPH (C10-C12)         mg/kg         MCERTS           Aliphatic TPH (C10-C12)         mg/kg         MCERTS           Aliphatic TPH (C12-C16)         mg/kg         MCERTS           Aliphatic TPH (C10-C21)         mg/kg         MCERTS           Aliphatic TPH (C10-C21)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C7-C8)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C21)         mg/kg         MCERTS           Aromatic TPH (C3-C35)         mg/kg         MCERTS           Aromatic				
Aliphatic TPH (C8-C8)				
Aliphatic TPH (C8-C8)	Alimbetic TDLL (CE CC)		MOEDTO	4040
Aliphatic TPH (C8-C10)				
Aliphatic TPH (C10-C12)				
Aliphatic TPH (C12-C16)         mg/kg         MCERTS           Aliphatic TPH (C16-C21)         mg/kg         MCERTS           Aliphatic TPH (C21-C35)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aliphatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C7)         mg/kg         MCERTS           Aromatic TPH (C5-C7)         mg/kg         MCERTS           Aromatic TPH (C5-C7)         mg/kg         MCERTS           Aromatic TPH (C8-C10)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C10-C12)         mg/kg         MCERTS           Aromatic TPH (C12-C16)         mg/kg         MCERTS           Aromatic TPH (C16-C21)         mg/kg         MCERTS           Aromatic TPH (C12-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C				
Aliphatic TPH (C16-C21)				
Aliphatic TPH (C21-C35)   mg/kg   MCERTS   MCE				
Aliphatic TPH (C5-C35)				
Aromatic TPH (C5-C7)				
Aromatic TPH (C7-C8)				
Aromatic TPH (C8-C10)   mg/kg   MCERTS   < 0.10				
Aromatic TPH (C10-C12)         mg/kg         MCERTS         < 1.0				
Aromatic TPH (C12-C16)         mg/kg         MCERTS           Aromatic TPH (C16-C21)         mg/kg         MCERTS           Aromatic TPH (C21-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Aromatic TPH (C5-C35)         mg/kg         MCERTS           Senzene         mg/kg         MCERTS           Toluene         mg/kg         MCERTS           Toluene         mg/kg         MCERTS           Ethylbenzene         mg/kg         MCERTS           p & m-xylene         mg/kg         MCERTS           oxylene         mg/kg         MCERTS           - 0.005         - 0.005				
Aromatic TPH (C16-C21)         mg/kg         MCERTS         < 10				
Aromatic TPH (C21-C35)         mg/kg         MCERTS         < 10           Aromatic TPH (C5-C35)         mg/kg         MCERTS         < 10	Aromatic TPH (C16-C21)		MCERTS	< 10
Aromatic TPH (C5-C35)         mg/kg         MCERTS         < 10           Benzene         mg/kg         MCERTS         < 0.005	Aromatic TPH (C21-C35)	mg/kg	MCERTS	< 10
Benzene         mg/kg         MCERTS         < 0.005           Toluene         mg/kg         MCERTS         < 0.005	Aromatic TPH (C5-C35)			
Toluene         mg/kg         MCERTS         < 0.005           Ethylbenzene         mg/kg         MCERTS         < 0.005			MOESTS	.0005
Ethylbenzene         mg/kg         MCERTS         < 0.005           p & m-xylene         mg/kg         MCERTS         < 0.005				
p & m-xylene         mg/kg         MCERTS         < 0.005           o-xylene         mg/kg         MCERTS         < 0.005				
o-xylene mg/kg MCERTS < 0.005				
Ashestos ND/D ISO17025 Not Detected	U-A YIGIIG	ing/kg	WICERIS	
	Asbestos	ND/D	ISO17025	Not Detected

LS = LOAMY SAND

Visual Examination

The sample was described as a dark greyish brown (Munsell Colour 10YR 4/2), slightly moist, friable, very slightly calcareous LOAMY SAND with weakly developed, fine to medium and very occasionally coarse granular structure. The sample was very slightly story 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 Graduate Soil Scientist