



Photograph 3 – Concrete cradles



Photograph 4 – Excavation prior to cradle removal



Photograph 5 – Excavation following removal of cradle



Photograph 6 – Excavation following removal of cradle



Photograph 7 – Material excavated for disposal.



Photograph 8 – Material excavated for disposal.



APPENDIX 3 - Validation Results



Certificate of Analysis

Certificate Number 21-10502

Issued: 26-May-21

Client Groundtech Consulting Ltd
First Floor
Lloyd House
Orford Ct
Leigh
Warrington
WN7 3XJ

Our Reference 21-10502

Client Reference 20093

Order No (not supplied)

Contract Title Aldi Neath

Description 6 Soil samples.

Date Received 19-May-21

Date Started 19-May-21

Date Completed 26-May-21

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Adam Fenwick
Contracts Manager



Summary of Chemical Analysis

Soil Samples

Our Ref 21-10502

Client Ref 20093

Contract Title Aldi Neath

Lab No	1849069	1849070	1849071	1849072
Sample ID	USTA	USTB	USTC	USTE
Depth	2.00	1.50	1.80	3.80
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	17/05/2021	17/05/2021	17/05/2021	17/05/2021
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
Petroleum Hydrocarbons							
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C5-C35: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C5-C35: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
TPH Ali/Aro Total C5-C35: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Fuel Identification	*			too little information to provide an	too little information to provide an	too little information to provide an	too little information to provide an
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01

Summary of Chemical Analysis

Soil Samples

Our Ref 21-10502

Client Ref 20093

Contract Title Aldi Neath

Lab No	1849073	1849074
Sample ID	USTF	USTW
Depth	3.80	
Other ID		
Sample Type	SOIL	SOIL
Sampling Date	17/05/2021	17/05/2021
Sampling Time	n/s	n/s

Test	Method	LOD	Units		
Petroleum Hydrocarbons					
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	0.27
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	1.7
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	17
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg	< 1.2	96
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	130
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg	< 3.4	50
Aliphatic C5-C35: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	300
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	0.11
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	2.9
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg	< 0.5	2600
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg	< 0.6	3100
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg	< 1.4	910
Aromatic C5-C35: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	6600
TPH Ali/Aro Total C5-C35: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	6900
Fuel Identification	*			too little information to provide an	a trace that resembles that of weathered diesel
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	0.12
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	0.11
Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	0.21
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01

Summary of Chemical Analysis

Chromatograms

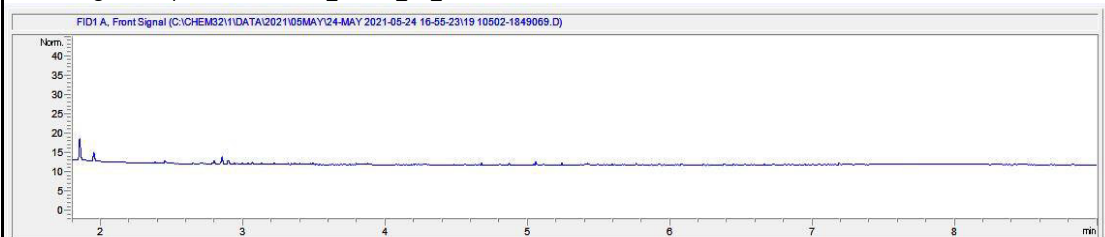
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849069
Sample ID	USTA
Depth	2
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

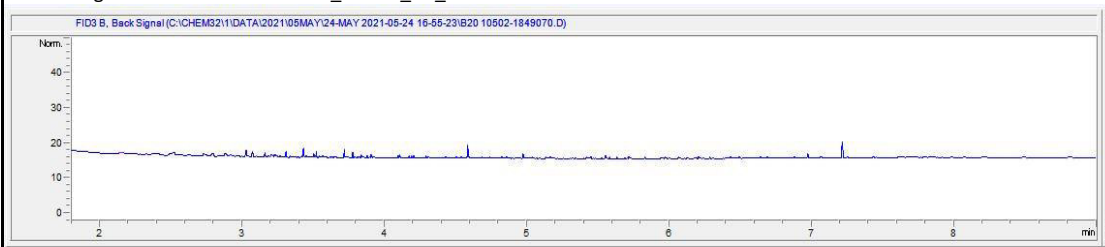
Test Method LOD Units

Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Summary of Chemical Analysis

Chromatograms

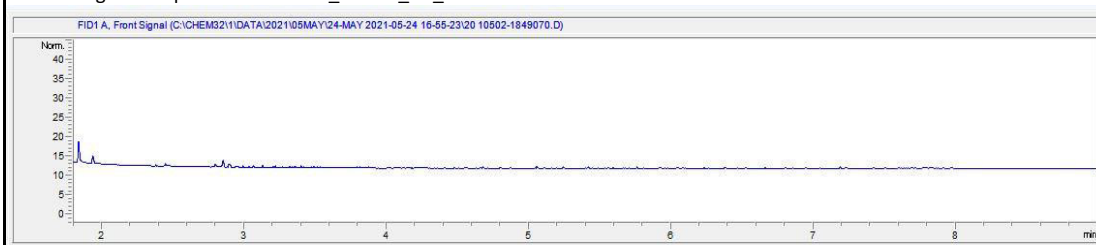
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849070
Sample ID	USTB
Depth	1.5
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

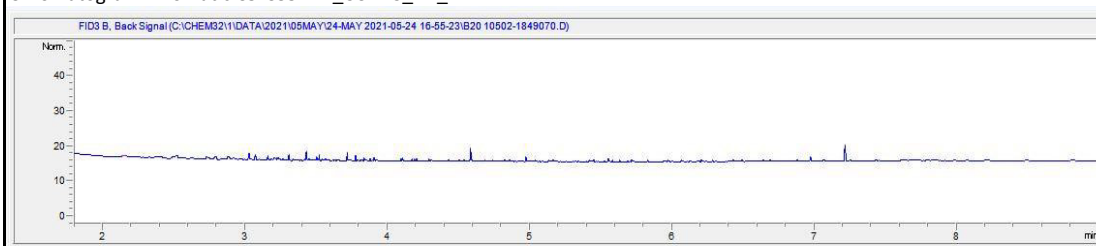
Test Method LOD Units

Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Summary of Chemical Analysis

Chromatograms

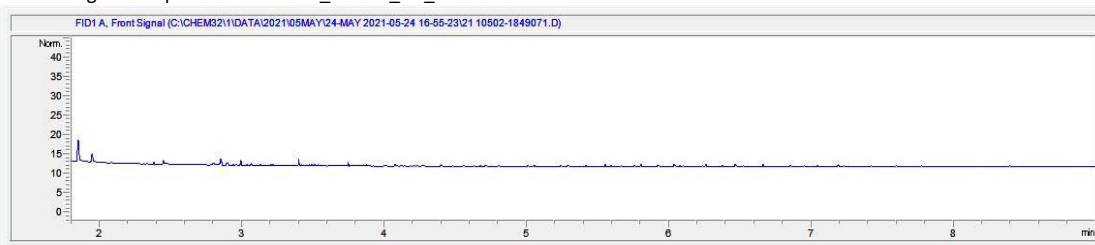
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849071
Sample ID	USTC
Depth	1.8
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

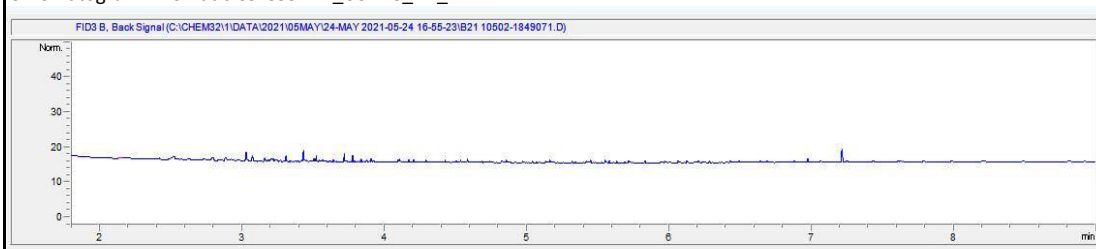
Test	Method	LOD	Units
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Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Summary of Chemical Analysis

Chromatograms

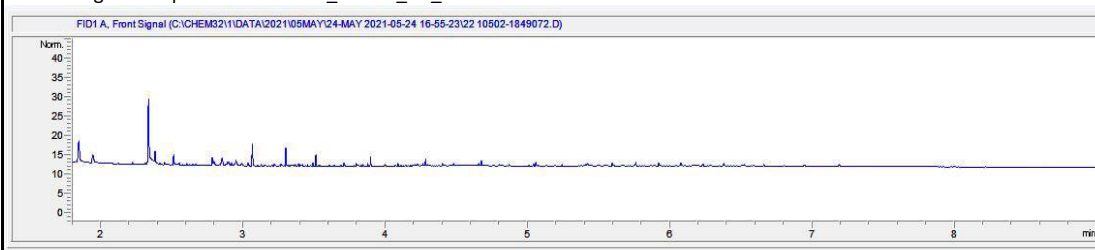
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849072
Sample ID	USTE
Depth	3.8
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

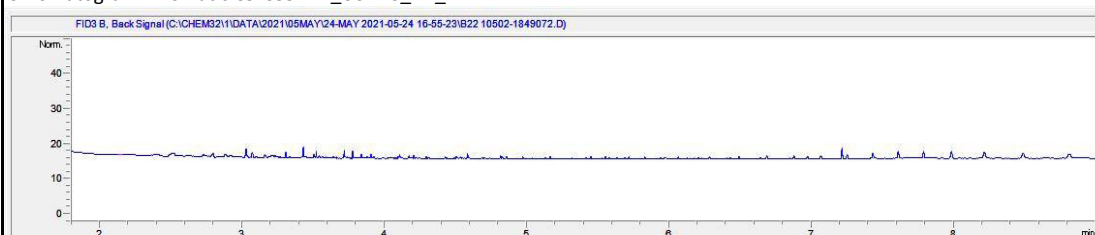
Test Method LOD Units

Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Summary of Chemical Analysis

Chromatograms

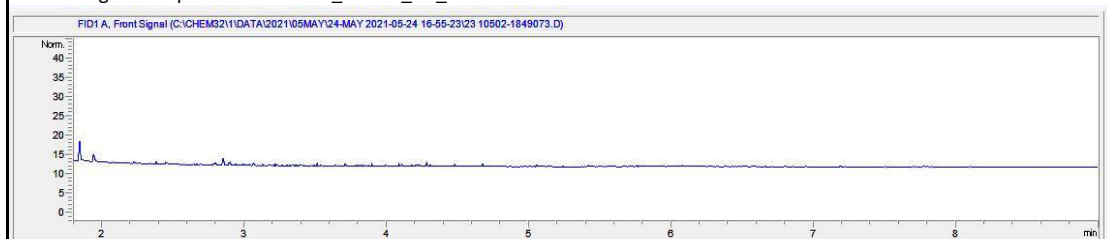
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849073
Sample ID	USTF
Depth	3.8
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

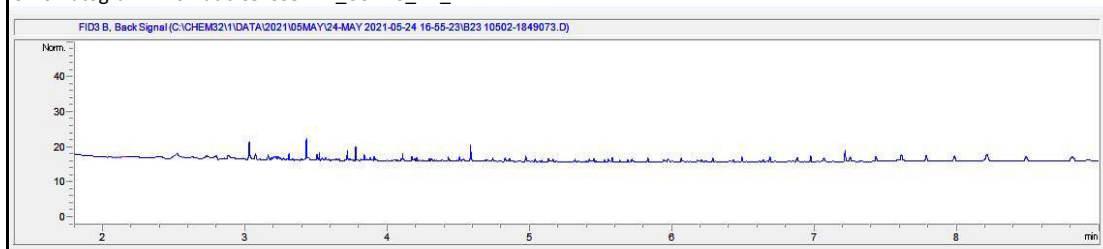
Test Method LOD Units

Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Summary of Chemical Analysis

Chromatograms

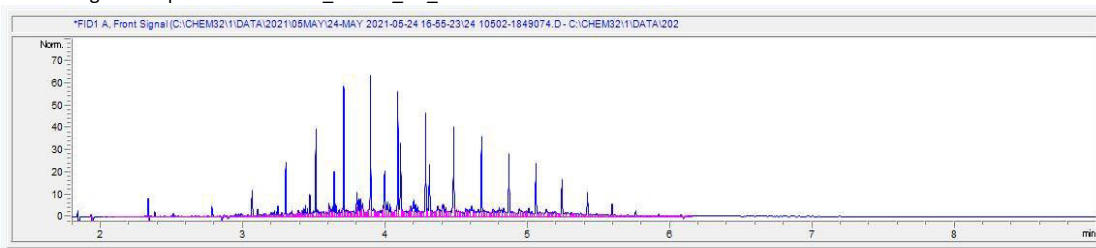
Our Ref 21-10502
 Client Ref 20093
 Contract Title Aldi Neath

Lab No	1849074
Sample ID	USTW
Depth	
Other ID	
Sample Type	SOIL
Sampling Date	17/05/2021
Sampling Time	

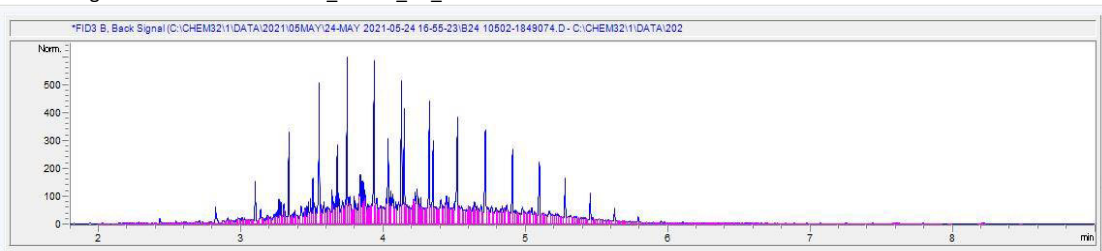
Test Method LOD Units

Petroleum Hydrocarbons

Chromatogram: Aliphatic C5-C35: EH_CU+HS_1D_AL *



Chromatogram: Aromatic C5-C35: EH_CU+HS_1D_AR *



Information in Support of the Analytical Results

Our Ref 21-10502

Client Ref 20093

Contract Aldi Neath

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1849069	USTA 2.00 SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		
1849070	USTB 1.50 SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		
1849071	USTC 1.80 SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		
1849072	USTE 3.80 SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		
1849073	USTF 3.80 SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		
1849074	USTW SOIL	17/05/21	GJ 250ml, GJ 60ml, PT 500ml		

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det	Acronym
Aliphatic C5-C6	HS_1D_AL
Aliphatic C6-C8	HS_1D_AL
Aliphatic C8-C10	HS_1D_AL
Aliphatic C10-C12	EH_CU_1D_AL
Aliphatic C12-C16	EH_CU_1D_AL
Aliphatic C16-C21	EH_CU_1D_AL
Aliphatic C21-C35	EH_CU_1D_AL
Aliphatic C5-C35	EH_CU+HS_1D_AL
Aromatic C5-C7	HS_1D_AR
Aromatic C7-C8	HS_1D_AR
Aromatic C8-C10	HS_1D_AR
Aromatic C10-C12	EH_CU_1D_AR
Aromatic C12-C16	EH_CU_1D_AR
Aromatic C16-C21	EH_CU_1D_AR
Aromatic C21-C35	EH_CU_1D_AR
Aromatic C5-C35	EH_CU+HS_1D_AR
TPH Ali/Aro Total C5-C35	EH_CU+HS_1D_Total

End of Report

Groundtech Consulting Limited
PO Box 499
Manchester
M28 8EE



Attention :	Callum Holden
Date :	25th May, 2021
Your reference :	20093
Our reference :	Test Report 21/7593 Batch 1
Location :	Aldi Neath
Date samples received :	21st May, 2021
Status :	Final report
Issue :	1

Four samples were received for analysis on 21st May, 2021 of which four were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Phil Sommerton BSc
Senior Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Groundtech Consulting Limited
Reference: 20093
Location: Aldi Neath
Contact: Callum Holden
EMT Job No: 21/7593

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-3	4-6	7-9	10-12							Please see attached notes for all abbreviations and acronyms		
Sample ID	USTD	USTG	USTH	USTI									
Depth	1.50	4.00	4.20	1.00									
COC No / misc													
Containers	V J T	V J T	V J T	V J T									
Sample Date	19/05/2021	19/05/2021	19/05/2021	19/05/2021									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	21/05/2021	21/05/2021	21/05/2021	21/05/2021							LOD/LOR	Units	Method No.
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #	<0.2	<0.2	<0.2	<0.2							<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #	<4	<4	<4	<4							<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #	<7	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #	<7	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	<19	<19	<19	<19							<19	mg/kg	TM5/PM8/PM16/PM12/PM14
Aromatics													
>C5-EC7 (HS_1D_AR) #	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}	<0.1 ^{SV}							<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<0.2	<0.2	<0.2	<0.2							<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	<4	<4	<4	<4							<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	<7	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	<7	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	<19	<19	<19	<19							<19	mg/kg	TM5/PM8/PM16/PM12/PM14
Total aliphatics and aromatics (C5-35) (EH+HS_CU_1D_Total)	<38	<38	<38	<38							<38	mg/kg	TM5/PM8/PM16/PM12/PM14
MTBE #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
Benzene #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
Toluene #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
Ethylbenzene #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
m/p-Xylene #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
o-Xylene #	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}	<5 ^{SV}							<5	ug/kg	TM36/PM12
Natural Moisture Content	8.4	11.2	9.5	10.5							<0.1	%	PM4/PM0

Matrix : Solid

[illegible]

[illegible]

4 of 9

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/7593

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/7593

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes



APPENDIX 4 - Waste Transfer Notes



DERWEN AGGREGATES LIMITED
NEATH ABBEY WHARF
NEATH ABBEY
NEATH

Delivery Note

Carrier Licence: CBDU10150

VAT Reg: 655843212

Permit No: EPR/GB3831AM

Haulier: DERWEN AGGREGATES

Haulier Carrier Reg: CBDU017516

Account No. C1J003

Site Address:

JB CONSTRUCTION LTD JB HOUSE 117 UNION STREET WEST BROMWICH B70 6BZ	JB CONSTRUCTION LTD - NEW ALDI ABBAY ROAD NEATH SA10 7BR SITE CONTACT: MANNY	Ticket No: 234273 Ref: 1650 SIC Code: Vehicle Reg: CN18XMV Vehicle Type: 8 WHEELER	Date: 19/05/2021 Order No: KAW/NEA/15/1
--	---	---	--

Qty	Unit	Product Type	EWC Code	Gross (KG)	Tare (KG)	Net (KG)
1.00	Load	MUCKAWAY CLEAN HARDCORE	17 05 04	32000	12580	19420

Weighbridge			Date	Time	KG	
Weighbridge Operator 	STEVE PRICE	Ticket No: 234273	19/05/2021	14:04:13	Gross	32000
			23/02/2021	13:47:27	Tare	12580
	nickcollins				Net	19420

Producer / Carrier

Driver Name STEVE PRICE

Signature



Customer

Print Name

Manny

Signature



I, the producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as requested by regulation 12 of the Waste (England and Wales) Regulations 2011.



DERWEN AGGREGATES LIMITED
NEATH ABBEY WHARF
NEATH ABBEY
NEATH

Delivery Note

Carrier Licence: CBDU10150

VAT Reg: 655843212

Permit No: EPR/GB3831AM

Haulier: DERWEN AGGREGATES

Haulier Carrier Reg: CBDU017516

Account No. C1J003

Site Address:

JB CONSTRUCTION LTD JB HOUSE 117 UNION STREET WEST BROMWICH B70 6BZ	JB CONSTRUCTION LTD - NEW ALDI ABBAY ROAD NEATH SA10 7BR SITE CONTACT: MANNY	Ticket No: 234274 Ref: 1650 SIC Code: Vehicle Reg: CN18XMV Vehicle Type: 8 WHEELER	Date: 19/05/2021 Order No: KAW/NEA/15/1
--	---	---	--

Qty	Unit	Product Type	EWC Code	Gross (KG)	Tare (KG)	Net (KG)
1.00	Load	MUCKAWAY CLEAN HARDCORE	17 05 04	32000	12580	19420

Weighbridge			Date	Time	KG	
Weighbridge Operator 	STEVE PRICE	Ticket No: 234274	19/05/2021	15:27:34	Gross	32000
			23/02/2021	13:47:27	Tare	12580
	nickcollins				Net	19420

Producer / Carrier

Driver Name STEVE PRICE

Signature



Customer

Print Name

Manny

Signature



I, the producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as requested by regulation 12 of the Waste (England and Wales) Regulations 2011.



DERWEN AGGREGATES LIMITED
NEATH ABBEY WHARF
NEATH ABBEY
NEATH

Delivery Note

Carrier Licence: CBDU10150

VAT Reg: 655843212

Permit No: EPR/GB3831AM

Haulier: DERWEN AGGREGATES

Haulier Carrier Reg: CBDU017516

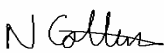
Account No. C1J003

Site Address:

JB CONSTRUCTION LTD JB HOUSE 117 UNION STREET WEST BROMWICH B70 6BZ	JB CONSTRUCTION LTD - NEW ALDI ABBAY ROAD NEATH SA10 7BR SITE CONTACT: MANNY	Ticket No: 234275 Ref: 1650 SIC Code: Vehicle Reg: CN18XMV Vehicle Type: 8 WHEELER	Date: 19/05/2021 Order No: KAW/NEA/15/1
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Qty	Unit	Product Type	EWC Code	Gross (KG)	Tare (KG)	Net (KG)
1.00	Load	MUCKAWAY CLEAN HARDCORE	17 05 04	32000	12580	19420

Weighbridge

			Date	Time	KG
Weighbridge Operator	STEVE PRICE	Ticket No: 234275	19/05/2021	15:30:31	Gross 32000
			23/02/2021	13:47:27	Tare 12580
	nickcollins				Net 19420

Producer / Carrier

Driver Name STEVE PRICE

Signature



Customer

Print Name

Manny

Signature



I, the producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as requested by regulation 12 of the Waste (England and Wales) Regulations 2011.



DERWEN AGGREGATES LIMITED
NEATH ABBEY WHARF
NEATH ABBEY
NEATH

Delivery Note

Carrier Licence: CBDU10150

VAT Reg: 655843212

Permit No: EPR/GB3831AM

Haulier: DERWEN AGGREGATES

Haulier Carrier Reg: CBDU017516

Account No. C1J003

Site Address:

JB CONSTRUCTION LTD JB HOUSE 117 UNION STREET WEST BROMWICH B70 6BZ	JB CONSTRUCTION LTD - NEW ALDI ABBAY ROAD NEATH SA10 7BR SITE CONTACT: MANNY	Ticket No: 234272 Ref: 1650 SIC Code: Vehicle Reg: CN18XMV Vehicle Type: 8 WHEELER	Date: 19/05/2021 Order No: KAW/NEA/15/1
--	---	---	--

Qty	Unit	Product Type	EWC Code	Gross (KG)	Tare (KG)	Net (KG)
1.00	Load	MUCKAWAY CLEAN HARDCORE	17 05 04	32000	12580	19420

Weighbridge			Date	Time	KG	
Weighbridge Operator 	STEVE PRICE	Ticket No: 234272	19/05/2021	12:41:21	Gross	32000
			23/02/2021	13:47:27	Tare	12580
	nickcollins				Net	19420

Producer / Carrier

Driver Name STEVE PRICE

Signature



Customer

Print Name

Manny

Signature



I, the producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as requested by regulation 12 of the Waste (England and Wales) Regulations 2011.



APPENDIX 5 - Limitations

Limitations

This contract was completed by Groundtech Consulting on the basis of a defined programme and scope of works and terms and conditions agreed with the client. This report was compiled with due skill and care, taking into consideration the project brief provided, project objectives, agreed scope of works, prevailing site conditions and budget allocation.

Other than that defined in the paragraph above, Groundtech Consulting provides no other accountability or warranty whether express or implied, is made in relation to the services. Unless otherwise agreed this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted industry practices and for the intended purposes as stated in the agreement under which this work was completed. This report may not be relied upon, or transferred to, by any other party without the written agreement of a Director of Groundtech Consulting. A third party who relies on this report, does so at their own and sole risk and no liability to such parties is provided by Groundtech Consulting.

It is the understanding of Groundtech Consulting that this report is to be used for the intended purpose as set out in the introduction. The purpose was instrumental in determining the scope and level of the services provided. Should the purpose of the report or the proposed end use of the site change, this report will no longer be directly applicable, and its validity readdressed. No reliance upon the report in the revised situation should be assumed by the client without the permission of Groundtech Consulting.

The report was written in 2021, later changes in legislation, statutory requirements and industry best practices have not been considered and this should be allowed for. Ground conditions can also change and should be investigated if there is any significant delay in acting on the findings of this report. The period of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions in this report should not be relied upon in the future without the written confirmation from Groundtech Consulting that it is safe to do so.

The observations and conclusions outlined in this report are based exclusively on the services that were provided as set out in the agreement between the client and Groundtech Consulting.

Groundtech Consulting are not liable for the existence of any condition, the discovery of which would require additional investigation outside the agreed scope of works or core competency. The services provided are based upon Groundtech Consulting observations of existing physical conditions at the site gained from site reconnaissance together with interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The findings and recommendations contained in this report are based in part upon information provided by third parties, and Groundtech Consulting assume the information to be correct.

No responsibility can be accepted for errors for third party information presented in this report. Groundtech Consulting were not authorised to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the services. Groundtech Consulting are not liable for any inaccurate information, misrepresentation of data or conclusions, which may inform the scope of investigation undertaken by Groundtech Consulting and forms the contract with the client.

Where field investigations have been carried out these have been restricted to a level of detail required to achieve the stated objectives of the work. Ground conditions can also be variable due to its heterogeneous properties and as investigation exploratory locations only allow examination of the ground at discrete locations. The potential exists for ground conditions to be encountered which are different to those considered in this report, particularly between exploratory holes. The extent of the limited area depends on the soil and groundwater conditions, together with other constraints such as the position of any existing structures and underground utilities. Geo-Environmental testing was carried out for a limited number of parameters [as stipulated in the contract] based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

The groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The groundwater level often has not had time to reach equilibrium and a monitoring period is required. Furthermore,



groundwater levels are subject to seasonal variation or changes in local drainage conditions and higher groundwater levels may occur at other times of the year than were recorded during this investigation.

Any site drawings provided in this report are not meant to be an accurate base plan, but are preliminary and used to present the general relative locations of features on, and surrounding, the site.