APPENDIX I

Chemical Test Results

Appendix I(1)

Chemical Test Results
GRM (2015) Investigation

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

GRM Development Solutions
Laurus House
First Avenue
Centrum 100
Burton Upon Trent
Staffs
DE14 2WH

Analytical Test Report: L15/0587/GRM/001

Your Project Reference:	**Harpur Hill**	Samples Received on:	25.03.2015
Your Order Number:	P6222	Testing Instruction Received:	25.03.2015
Report Issue Number:	1	Sample Tested:	25.03 to 08.04.2015
Samples Analysed:	19 Soils 3 Leachates	Report issued:	08.04.2015

Signed

James Gane
Manager - Data Logistics
Nicholls Colton Analytical

Notes:

General

Please refer to Methodologies tab for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the abestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30˚C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

With the exception of Sulphate, which is crushed over the 2mm test sieve, concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve. As received samples have been corrected for moisture content but not stone content.

Samples were supplied by customer.

Asbestos

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviant Samples

Samples were received in suitable containers	**Yes**
A date and time of sampling was provided	**Yes**
Sample handling times were exceeded prior to analysis of determinants	**No**

Where samples do not meet one or more of the above criteria they will be classed as deviant, this means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Accreditation Key

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analytical Test Results - GRM Soil Suite

NCA Reference			15-7997	15-7998	15-7999	15-8000	15-8001	15-8002
Client Sample Reference			TP01	TP01	TP04	TP05	TP10	TP12
Client Sample Location			TP01	TP01	TP04	TP05	TP10	TP12
Depth (m)			0.15	0.60	0.10	0.50	0.20	0.20
Date of Sampling			19.03.2015	19.03.2015	19.03.2015	18.03.2015	18.03.2015	18.03.2015
Time of Sampling			Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	**Units**	**Accreditation**						
Arsenic	(mg/kg)	MCERTS	11.2	-	-	-	11.8	-
Cadmium	(mg/kg)	MCERTS	2.6	-	-	-	1.4	-
Chromium (Total)	(mg/kg)	UKAS	43.6	-	-	-	15.9	-
Copper	(mg/kg)	MCERTS	30.9	-	-	-	30.0	-
Lead	(mg/kg)	MCERTS	80.1	-	-	-	72.3	-
Mercury	(mg/kg)	UKAS	< 2.5	-	-	-	< 2.5	-
Nickel	(mg/kg)	MCERTS	44.2	-	-	-	13.8	-
Selenium	(mg/kg)	u	< 8	-	-	-	< 8	-
Zinc	(mg/kg)	UKAS	150	-	-	-	78.4	-
Total Phenols	(mg/kg)	MCERTS	<1.4	-	-	-	<1.5	-
Cyanide (Total)	(mg/kg)	MCERTS	<1.4	-	-	-	<1.5	-
Chromium (Hexavalent)	(mg/kg)	u	<1.4	-	-	-	<1.5	-
pH	pH Units	MCERTS	7.8	10.7	-	10.4	7.3	-
SOM	(%)	MCERTS	5.7	-	-	-	7.4	-
Sulphate	(mg/l)	u	28	26	-	18	<10	-
Acenaphthene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Acenaphthylene	(mg/kg)	UKAS	<0.1	-	-	-	<0.1	-
Anthracene	(mg/kg)	UKAS	<0.1	-	-	-	<0.1	-
Benzo (a) anthracene	(mg/kg)	MCERTS	<0.1	-	-	-	0.2	-
Benzo (a) pyrene	(mg/kg)	MCERTS	<0.1	-	-	-	0.2	-
Benzo (b) fluoranthene	(mg/kg)	MCERTS	<0.1	-	-	-	0.2	-
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Benzo (k) fluoranthene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Chrysene	(mg/kg)	MCERTS	<0.1	-	-	-	0.2	-
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Fluoranthene	(mg/kg)	MCERTS	0.1	-	-	-	0.6	-
Fluorene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Naphthalene	(mg/kg)	MCERTS	<0.1	-	-	-	<0.1	-
Phenanthrene	(mg/kg)	MCERTS	<0.1	-	-	-	0.5	-
Pyrene	(mg/kg)	MCERTS	0.1	-	-	-	0.5	-
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	1.7	-	-	-	3.2	-
Asbestos	-	UKAS	No asbestos detected	-	-	-	No asbestos detected	-
Pesticide Screen	(mg/kg)	u	-	-	Undetected <1	-	-	Undetected <1

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analytical Test Results - GRM Soil Suite

NCA Reference			15-8003	15-8004	15-8005	15-8006	15-8007	15-8008
Client Sample Reference			TP13	TP13	TP14	TP15	TP16	TP16
Client Sample Location			TP13	TP13	TP14	TP15	TP16	TP16
Depth (m)			0.10	0.80	0.10	0.20	0.10	0.70
Date of Sampling			18.03.2015	18.03.2015	18.03.2015	18.03.2015	18.03.2015	18.03.2015
Time of Sampling			Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	**Units**	**Accreditation**						
Arsenic	(mg/kg)	MCERTS	10.2	-	13.3	-	< 10	-
Cadmium	(mg/kg)	MCERTS	1.4	-	1.7	-	2.2	-
Chromium (Total)	(mg/kg)	UKAS	21.7	-	27.4	-	112	-
Copper	(mg/kg)	MCERTS	19.2	-	28.7	-	48.2	-
Lead	(mg/kg)	MCERTS	77.7	-	159	-	27.0	-
Mercury	(mg/kg)	UKAS	< 2.5	-	< 2.5	-	< 2.5	-
Nickel	(mg/kg)	MCERTS	18.3	-	22.6	-	109	-
Selenium	(mg/kg)	u	< 8	-	< 8	-	< 8	-
Zinc	(mg/kg)	UKAS	95.7	-	109	-	83.0	-
Total Phenols	(mg/kg)	MCERTS	<1.5	-	<1.4	-	<1.3	-
Cyanide (Total)	(mg/kg)	MCERTS	<1.5	-	<1.4	-	<1.3	-
Chromium (Hexavalent)	(mg/kg)	u	<1.5	-	<1.4	-	<1.3	-
pH	pH Units	MCERTS	7.0	9.0	10.5	-	10.8	6.7
SOM	(%)	MCERTS	5.6	-	6.9	-	2.9	-
Sulphate	(mg/l)	u	24	14	53	-	14	32
Acenaphthene	(mg/kg)	MCERTS	<0.1	-	<0.1	-	<0.1	-
Acenaphthylene	(mg/kg)	UKAS	<0.1	-	<0.1	-	<0.1	-
Anthracene	(mg/kg)	UKAS	<0.1	-	0.2	-	<0.1	-
Benzo (a) anthracene	(mg/kg)	MCERTS	<0.1	-	0.4	-	<0.1	-
Benzo (a) pyrene	(mg/kg)	MCERTS	<0.1	-	0.3	-	<0.1	-
Benzo (b) fluoranthene	(mg/kg)	MCERTS	<0.1	-	0.3	-	<0.1	-
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	<0.1	-	0.2	-	<0.1	-
Benzo (k) fluoranthene	(mg/kg)	MCERTS	<0.1	-	<0.1	-	<0.1	-
Chrysene	(mg/kg)	MCERTS	<0.1	-	0.4	-	<0.1	-
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	<0.1	-	<0.1	-	<0.1	-
Fluoranthene	(mg/kg)	MCERTS	<0.1	-	0.9	-	<0.1	-
Fluorene	(mg/kg)	MCERTS	<0.1	-	<0.1	-	<0.1	-
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	<0.1	-	0.2	-	<0.1	-
Naphthalene	(mg/kg)	MCERTS	<0.1	-	<0.1	-	<0.1	-
Phenanthrene	(mg/kg)	MCERTS	<0.1	-	0.9	-	<0.1	-
Pyrene	(mg/kg)	MCERTS	<0.1	-	0.8	-	<0.1	-
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	<1.6	-	5.1	-	<1.6	-
Asbestos	-	UKAS	No asbestos detected	-	No asbestos detected	-	No asbestos detected	-
Pesticide Screen	(mg/kg)	u	-	-	-	Undetected <1	-	-

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analytical Test Results - GRM Soil Suite

NCA Reference			15-8009	15-8010	15-8011	15-8012	15-8013	15-8014
Client Sample Reference			TP17	TP18	TP20	TP23	TP25A	TP26
Client Sample Location			TP17	TP18	TP20	TP23	TP25A	TP26
Depth (m)			0.20	0.90	0.40	0.40	0.70	0.10
Date of Sampling			20.03.2015	20.03.2015	20.03.2015	19.03.2015	20.03.2015	20.03.2015
Time of Sampling			Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Sample Matrix			Clay	Clay	Clay	Sand	Clay	Clay
Determinant	**Units**	**Accreditation**						
Arsenic	(mg/kg)	MCERTS	-	-	-	103	< 10	-
Cadmium	(mg/kg)	MCERTS	-	-	-	4.4	3.2	-
Chromium (Total)	(mg/kg)	UKAS	-	-	-	49.8	23.7	-
Copper	(mg/kg)	MCERTS	-	-	-	493	41.6	-
Lead	(mg/kg)	MCERTS	-	-	-	525	129	-
Mercury	(mg/kg)	UKAS	-	-	-	5.4	< 2.5	-
Nickel	(mg/kg)	MCERTS	-	-	-	77.6	33.6	-
Selenium	(mg/kg)	u	-	-	-	< 8	< 8	-
Zinc	(mg/kg)	UKAS	-	-	-	159	178	-
Total Phenols	(mg/kg)	MCERTS	-	-	-	<1.1	<1.2	-
Cyanide (Total)	(mg/kg)	MCERTS	-	-	-	<1.1	<1.2	-
Chromium (Hexavalent)	(mg/kg)	u	-	-	-	<1.1	<1.2	-
pH	pH Units	MCERTS	-	7.9	7.3	11.4	12.5	-
SOM	(%)	MCERTS	-	-	-	30.7	4.5	-
Sulphate	(mg/l)	u	-	21	31	580	250	-
Acenaphthene	(mg/kg)	MCERTS	-	-	-	12.5	0.3	-
Acenaphthylene	(mg/kg)	UKAS	-	-	-	2.9	<0.1	-
Anthracene	(mg/kg)	UKAS	-	-	-	52.4	1.0	-
Benzo (a) anthracene	(mg/kg)	MCERTS	-	-	-	52.4	3.7	-
Benzo (a) pyrene	(mg/kg)	MCERTS	-	-	-	43.9	3.1	-
Benzo (b) fluoranthene	(mg/kg)	MCERTS	-	-	-	53.3	3.8	-
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	-	-	-	23.2	1.7	-
Benzo (k) fluoranthene	(mg/kg)	MCERTS	-	-	-	20.5	1.4	-
Chrysene	(mg/kg)	MCERTS	-	-	-	51.9	3.4	-
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	-	-	-	5.7	0.4	-
Fluoranthene	(mg/kg)	MCERTS	-	-	-	134	7.0	-
Fluorene	(mg/kg)	MCERTS	-	-	-	13.8	0.3	-
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	-	-	-	26.2	2.0	-
Naphthalene	(mg/kg)	MCERTS	-	-	-	3.6	0.1	-
Phenanthrene	(mg/kg)	MCERTS	-	-	-	152	3.5	-
Pyrene	(mg/kg)	MCERTS	-	-	-	114	7.0	-
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	-	-	-	762	38.7	-
Asbestos	-	UKAS	-	-	-	No asbestos detected	No asbestos detected	-
Pesticide Screen	(mg/kg)	u	Undetected <1	-	-	-	-	Undetected <1

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analytical Test Results - GRM Soil Suite

NCA Reference			15-8015
Client Sample Reference			TP26
Client Sample Location			TP26
Depth (m)			0.30
Date of Sampling			20.03.2015
Time of Sampling			Not provided
Sample Matrix			Clay
Determinant	**Units**	**Accreditation**	
Arsenic	(mg/kg)	MCERTS	< 10
Cadmium	(mg/kg)	MCERTS	3.3
Chromium (Total)	(mg/kg)	UKAS	30.2
Copper	(mg/kg)	MCERTS	21.5
Lead	(mg/kg)	MCERTS	21.7
Mercury	(mg/kg)	UKAS	< 2.5
Nickel	(mg/kg)	MCERTS	45.6
Selenium	(mg/kg)	u	< 8
Zinc	(mg/kg)	UKAS	78.1
Total Phenols	(mg/kg)	MCERTS	<1.3
Cyanide (Total)	(mg/kg)	MCERTS	<1.3
Chromium (Hexavalent)	(mg/kg)	u	<1.3
pH	pH Units	MCERTS	12.6
SOM	(%)	MCERTS	<1.7
Sulphate	(mg/l)	u	22
Acenaphthene	(mg/kg)	MCERTS	<0.1
Acenaphthylene	(mg/kg)	UKAS	<0.1
Anthracene	(mg/kg)	UKAS	<0.1
Benzo (a) anthracene	(mg/kg)	MCERTS	<0.1
Benzo (a) pyrene	(mg/kg)	MCERTS	<0.1
Benzo (b) fluoranthene	(mg/kg)	MCERTS	<0.1
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	<0.1
Benzo (k) fluoranthene	(mg/kg)	MCERTS	<0.1
Chrysene	(mg/kg)	MCERTS	<0.1
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	<0.1
Fluoranthene	(mg/kg)	MCERTS	<0.1
Fluorene	(mg/kg)	MCERTS	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	<0.1
Naphthalene	(mg/kg)	MCERTS	<0.1
Phenanthrene	(mg/kg)	MCERTS	<0.1
Pyrene	(mg/kg)	MCERTS	<0.1
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	<1.6
Asbestos	-	UKAS	No asbestos detected
Pesticide Screen	(mg/kg)	u	-

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analytical Test Results - GRM Leachate Suite

NCA Reference			15-8012	15-8013	15-8015
Client Sample Reference			TP23	TP25A	TP26
Client Sample Location			TP23	TP25A	TP26
Depth (m)			0.40	0.70	0.80
Date of Sampling			19.03.2015	20.03.2015	20.03.2015
Time of Sampling			Not provided	Not provided	Not provided
Sample Matrix			Leachate	Leachate	Leachate
Determinant	**Units**	**Accreditation**			
Arsenic	(µg/l)	u	< 2.5	< 2.5	< 2.5
Cadmium	(µg/l)	u	< 2.5	< 2.5	< 2.5
Chromium (Total)	(µg/l)	u	< 2.5	< 2.5	< 2.5
Copper	(µg/l)	u	9	3	1
Lead	(µg/l)	u	1	< 1	< 1
Mercury	(µg/l)	u	< 1	< 1	< 1
Nickel	(µg/l)	u	< 2.5	< 2.5	< 2.5
Selenium	(µg/l)	u	< 1	< 1	< 1
Zinc	(µg/l)	u	< 1	< 1	< 1
Phenol (Total)	(µg/l)	u	2.3	3.3	3.3
Cyanide (Total)	(mg/l)	u	<0.5	<0.5	<0.5
pH	pH Units	UKAS	8.3	10.0	8.9
Sulphate (as SO_4)	(mg/l)	u	11	<10	<10
Ammonical Nitrogen (as N)	(mg/l)	u	7.2	1.0	0.2
Benzo (a) pyrene	(µg/l)	u	<0.01	<0.01	<0.01
Benzo (b) fluoranthene	(µg/l)	u	<0.01	<0.01	<0.01
Benzo (g, h, i) perylene	(µg/l)	u	<0.01	<0.01	<0.01
Benzo (k) fluoranthene	(µg/l)	u	<0.01	<0.01	<0.01
Indeno (1, 2, 3,-cd) pyrene	(µg/l)	u	<0.01	<0.01	<0.01
Naphthalene	(µg/l)	u	0.15	0.04	0.20

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Sample Descriptions

NCA Reference	Client Sample Reference	Sample Depth (m)	Description	Moisture Content (%)	Stone Content (%)
15-7997	TP01	0.15	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	41	0
15-7999	TP04	0.10	Brown sandy clay with organic matter.	47	0
15-8001	TP10	0.20	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	47	0
15-8002	TP12	0.20	Brown sandy clay with organic matter.	44	0
15-8003	TP13	0.10	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	50	0
15-8005	TP14	0.10	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	44	0
15-8006	TP15	0.20	Brown sandy clay with organic matter.	41	0
15-8007	TP16	0.10	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	27	0
15-8009	TP17	0.20	Brown sandy clay with organic matter.	40	0
15-8012	TP23	0.40	Dark brown gravelly sand with crushed rock.	14	41
15-8013	TP25A	0.70	Brown slightly sandy slightly gravelly clay with brick fragments. (Fill)	23	0
15-8014	TP26	0.10	Brown sandy clay with organic matter.	44	0
15-8015	TP26	0.30	Brown slightly sandy slightly gravelly clay with organic material and brick fragments. (Fill)	26	0

NCA Reference	Client Sample Reference	Sample Location	Description	% Passing 2mm BS test sieve
15-7998	TP01	0.60	Brown clay with organic material.	100
15-8000	TP05	0.50	Dark brown clay.	47
15-8004	TP13	0.80	Grey/brown clay.	99
15-8008	TP16	0.70	Dark brown clay.	99
15-8010	TP18	0.90	Brown clay.	100
15-8011	TP20	0.40	Brown clay.	100

Nicholls Colton Analytical
7 - 11 Harding Street
Leicester
LE1 4DH

L15/0587/GRM/001

Project Reference - Harpur Hill

Analysis Methodologies

Matrix	Determinant	Sample condition for analysis	Test Method used
Soil	Metals	Air Dried	In house method statement - MS - CL - ICP metals
Soil	PAH	Air Dried	In house method statement - MS - CL - PAH
Soil	Phenols	As Received	In house method statement - MS - CL - Phenols (Skalar)
Soil	Chromium (hexavalent)	As Received	In house method statement - MS - CL - Chromium (Hexavalent)
Soil	Cyanide	As Received	In house method statement - MS - CL - Cyanide by Skalar
Soil	pH	As Received	In house method statement - MS - CL - pH (Soil)
Soil	SOM	Air Dried	In house method statement - MS - CL - TOC
Soil	Sulphate	Air Dried	In house method statement - MS - CL - Anions (Aquakem)
Soil	Asbestos	As Received	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
Soil	Pesticide Screen	As Received	In house method statement - MS - CL - Pesticide Screen
Soil	Leaching	As Received	NRA R&D note 301 using a 10 : 1 by wet mass of sample extraction ratio
Leachate	Metals	As Received	In house method statement - MS - CL - ICP Metals Water
Leachate	PAH	As Received	In house method statement - MS - CL - PAH Water
Leachate	Phenol	As Received	In house method statement - MS - CL - Phenols (HPLC)
Leachate	pH	As Received	BS 1377, Part 3, 1990
Leachate	Cyanide	As Received	In house method statement - MS - CL - Cyanide
Leachate	Sulphate	As Received	In house method statement - MS - CL - Anions (Aquakem)
Leachate	Ammonia	As Received	In house method statement - MS - CL - Ammonia

Appendix I(2)

Chemical Test Results
ALM (2017) Investigation

Exova Jones Environmental

Registered Address : Exova (UK) Ltd, Lochend Industrial Estate, Newbridge, Midlothian, EH28 8PL

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781

ALM Consult Limited
Paddock Business Centre
2 Paddock Road
West Pimbo
Skelmersdale
Lancashire
WN8 9PL

Attention :	Alex Albon
Date :	19th September, 2017
Your reference :	30156
Our reference :	Test Report 17/14870 Batch 1
Location :	Burlow Road, Buxton (Site A)
Date samples received :	6th September, 2017
Status :	Final report
Issue :	1

Forty six samples were received for analysis on 6th September, 2017 of which thirty 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.

Compiled By:

Bruce Leslie
Project Co-ordinator

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	1	2	3	5	7	8	9	10	11	12	LOD/LOR	Units	Method No.
Sample ID	TPA-101	TPA-101	TPA-103	TPA-105	TPA-106	TPA-106	TPA-108	TPA-108	TPA-302	TPA-305			
Depth	0.10	0.50	0.10	0.10	0.05	0.40	0.10	0.50	1.00	0.05			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	29/08/2017	01/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Arsenic #	13.6	8.3	13.0	28.9	8.2	6.3	13.7	6.0	32.9	7.9	<0.5	mg/kg	TM30/PM15
Cadmium #	1.7	1.3	2.1	1.2	3.2	0.4	1.5	2.3	0.5	3.2	<0.1	mg/kg	TM30/PM15
Chromium #	70.7	58.4	103.1	72.8	87.6	98.3	74.4	64.9	47.7	83.9	<0.5	mg/kg	TM30/PM15
Copper #	36	22	32	105	32	23	31	34	96	33	<1	mg/kg	TM30/PM15
Lead #	119	26	95	207	38	25	104	23	101	44	<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Nickel #	29.2	50.9	37.9	52.0	49.9	45.7	31.5	85.4	19.1	47.4	<0.7	mg/kg	TM30/PM15
Selenium #	2	<1	<1	1	1	<1	2	1	5	2	<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #	-	336	-	-	-	-	-	253	1798	-	<50	mg/kg	TM50/PM29
Water Soluble Boron #	1.7	0.6	1.8	0.8	1.1	0.3	1.0	0.3	1.3	1.4	<0.1	mg/kg	TM74/PM32
Zinc #	178	198	159	157	154	83	135	110	51	155	<5	mg/kg	TM30/PM15
Arsenic	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Cadmium	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	-	-	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Total Sulphate as SO4	-	-	-	-	-	-	-	-	-	-	<50	mg/kg	TM50/PM29
Water Soluble Boron	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM74/PM61
Zinc	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	<0.04	<0.04	<0.04	0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.07	<0.03	<0.03	0.24	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	0.21	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.32	<0.03	0.06	2.46	<0.03	<0.03	0.06	<0.03	0.06	0.06	<0.03	mg/kg	TM4/PM8
Anthracene #	0.12	<0.04	<0.04	0.98	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	1.01	<0.03	0.12	4.65	0.05	<0.03	0.09	<0.03	0.10	0.11	<0.03	mg/kg	TM4/PM8
Pyrene #	0.87	<0.03	0.12	3.97	0.04	<0.03	0.07	<0.03	0.08	0.08	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.67	<0.06	0.16	2.19	<0.06	<0.06	0.10	<0.06	<0.06	0.08	<0.06	mg/kg	TM4/PM8
Chrysene #	0.48	<0.02	0.12	2.15	0.03	<0.02	0.04	<0.02	0.06	0.06	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.81	<0.07	0.19	3.71	<0.07	<0.07	<0.07	<0.07	<0.07	0.10	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.48	<0.04	0.10	2.13	<0.04	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.29	<0.04	<0.04	1.32	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	0.25	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.29	<0.04	<0.04	1.24	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	5.4	<0.6	0.9	25.8	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.58	<0.05	0.14	2.67	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.23	<0.02	0.05	1.04	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	114	97	89	98	96	98	95	96	97	100	<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	1	2	3	5	7	8	9	10	11	12	LOD/LOR	Units	Method No.
Sample ID	TPA-101	TPA-101	TPA-103	TPA-105	TPA-106	TPA-106	TPA-108	TPA-108	TPA-302	TPA-305			
Depth	0.10	0.50	0.10	0.10	0.05	0.40	0.10	0.50	1.00	0.05			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	31/08/2017	29/08/2017	01/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Methyl Tertiary Butyl Ether #	-	<2	-	-	-	-	-	-	<2	-	<2	ug/kg	TM15/PM10
Benzene #	-	<3	-	-	-	-	-	-	<3	-	<3	ug/kg	TM15/PM10
Toluene #	-	<3	-	-	-	-	-	-	<3	-	<3	ug/kg	TM15/PM10
Ethylbenzene #	-	<3	-	-	-	-	-	-	<3	-	<3	ug/kg	TM15/PM10
p/m-Xylene #	-	<5	-	-	-	-	-	-	<5	-	<5	ug/kg	TM15/PM10
o-Xylene #	-	<3	-	-	-	-	-	-	<3	-	<3	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	-	102	-	-	-	-	-	-	78	-	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	120	-	-	-	-	-	-	73	-	<0	%	TM15/PM10
TPH CWG													
Aliphatics													
>C5-C6 #	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C8-C10	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	<0.2	-	-	-	-	-	-	<0.2	-	<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	<4	-	-	-	-	-	-	<4	-	<4	mg/kg	TM5/PM16
>C16-C21 #	-	<7	-	-	-	-	-	-	<7	-	<7	mg/kg	TM5/PM16
>C21-C35 #	-	<7	-	-	-	-	-	-	<7	-	<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	<19	-	-	-	-	-	-	<19	-	<19	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7 #	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	<0.1	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	<0.2	-	-	-	-	-	-	<0.2	-	<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	<4	-	-	-	-	-	-	<4	-	<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	<7	-	-	-	-	-	-	<7	-	<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	<7	-	-	-	-	-	-	67	-	<7	mg/kg	TM5/PM16
Total aromatics C5-35 #	-	<19	-	-	-	-	-	-	67	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	<38	-	-	-	-	-	-	67	-	<38	mg/kg	TM5/TM36/PM12/PM16
Natural Moisture Content	44.9	31.3	44.1	32.0	31.0	17.8	43.0	19.6	38.0	38.2	<0.1	%	PM4/PM0
Natural Moisture Content	-	-	-	-	-	-	-	-	-	-	<0.1	%	PM4/PM0
Sulphate as SO4 (2:1 Ext) #	-	0.0081	-	-	-	-	-	0.0115	0.0955	-	<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext)	-	-	-	-	-	-	-	-	-	-	<0.0015	g/l	TM38/PM60
Total Organic Carbon #	4.67	1.13	3.35	3.13	2.22	0.83	3.34	0.85	4.50	3.29	<0.02	%	TM21/PM24
Calorific Value	-	-	-	-	-	-	-	-	1	-	<1	MJ/kg	TM21/PM24
pH #	6.88	7.66	6.68	7.78	7.56	7.93	6.22	6.48	7.52	7.21	<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	13	14	15	17	18	21	26	27	28	30	LOD/LOR	Units	Method No.
Sample ID	TPA-305	TPA-305	TPA-110	TPA-112	TPA-112	TPA-117	TPA-120	TPA-120	TPA-124	TPA-125			
Depth	0.40	1.10	0.10	0.10	0.50	0.10	0.10	0.60	0.10	1.50			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Arsenic #	8.5	-	12.2	9.8	3.7	5.2	17.2	4.6	11.7	-	<0.5	mg/kg	TM30/PM15
Cadmium #	3.2	-	2.0	1.6	0.9	1.2	1.7	1.1	1.6	-	<0.1	mg/kg	TM30/PM15
Chromium #	91.3	-	72.9	73.6	67.1	111.8	77.8	83.7	132.1	-	<0.5	mg/kg	TM30/PM15
Copper #	31	-	27	32	27	38	36	32	43	-	<1	mg/kg	TM30/PM15
Lead #	42	-	105	108	27	103	163	30	111	-	<5	mg/kg	TM30/PM15
Mercury #	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	-	<0.1	mg/kg	TM30/PM15
Nickel #	52.3	-	34.8	38.7	76.5	85.6	35.3	92.5	65.9	-	<0.7	mg/kg	TM30/PM15
Selenium #	2	-	2	2	1	1	<1	<1	3	-	<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #	-	-	-	-	196	-	-	235	-	167	<50	mg/kg	TM50/PM29
Water Soluble Boron #	0.8	-	1.0	1.1	0.3	0.8	1.2	0.3	1.3	-	<0.1	mg/kg	TM74/PM32
Zinc #	143	-	145	138	116	124	172	105	186	-	<5	mg/kg	TM30/PM15
Arsenic	-	28.0	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Cadmium	-	1.6	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	38.0	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	108	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	145	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	40.5	-	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	3	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Total Sulphate as SO4	-	1036	-	-	-	-	-	-	-	-	<50	mg/kg	TM50/PM29
Water Soluble Boron	-	1.3	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM74/PM61
Zinc	-	163	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	0.15	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	0.15	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.08	1.10	0.06	<0.03	<0.03	0.12	0.09	<0.03	0.08	-	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	0.36	<0.04	<0.04	<0.04	0.16	<0.04	<0.04	<0.04	-	<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.10	2.21	0.11	0.07	<0.03	0.22	0.23	<0.03	0.20	-	<0.03	mg/kg	TM4/PM8
Pyrene #	0.09	1.92	0.10	0.07	<0.03	0.22	0.21	<0.03	0.18	-	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.09	1.00	<0.06	<0.06	<0.06	0.15	0.13	<0.06	0.11	-	<0.06	mg/kg	TM4/PM8
Chrysene #	0.05	0.93	0.07	0.04	<0.02	0.15	0.13	<0.02	0.13	-	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.09	1.74	<0.07	<0.07	<0.07	0.24	0.21	<0.07	0.20	-	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.05	1.05	0.06	<0.04	<0.04	0.15	0.14	<0.04	0.13	-	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	<0.04	0.65	<0.04	<0.04	<0.04	0.11	0.09	<0.04	0.08	-	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	0.54	<0.04	<0.04	<0.04	0.08	0.07	<0.04	0.07	-	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	12.0	<0.6	<0.6	<0.6	1.6	1.3	<0.6	1.2	-	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.06	1.25	<0.05	<0.05	<0.05	0.17	0.15	<0.05	0.14	-	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.03	0.49	<0.02	<0.02	<0.02	0.07	0.06	<0.02	0.06	-	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	97	102	92	95	96	286	100	107	101	-	<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	13	14	15	17	18	21	26	27	28	30	LOD/LOR	Units	Method No.
Sample ID	TPA-305	TPA-305	TPA-110	TPA-112	TPA-112	TPA-117	TPA-120	TPA-120	TPA-124	TPA-125			
Depth	0.40	1.10	0.10	0.10	0.50	0.10	0.10	0.60	0.10	1.50			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Methyl Tertiary Butyl Ether #	-	<2	-	-	-	-	-	<2	-	-	<2	ug/kg	TM15/PM10
Benzene #	-	<3	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Toluene #	-	<3	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Ethylbenzene #	-	<3	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
p/m-Xylene #	-	<5	-	-	-	-	-	<5	-	-	<5	ug/kg	TM15/PM10
o-Xylene #	-	<3	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	-	86	-	-	-	-	-	77	-	-	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	84	-	-	-	-	-	111	-	-	<0	%	TM15/PM10
TPH CWG													
Aliphatics													
>C5-C6 #	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	<0.2	-	-	-	-	-	<0.2	-	-	<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	<4	-	-	-	-	-	<4	-	-	<4	mg/kg	TM5/PM16
>C16-C21 #	-	<7	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
>C21-C35 #	-	<7	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	<19	-	-	-	-	-	<19	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7 #	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	<0.1	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	<0.2	-	-	-	-	-	<0.2	-	-	<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	7	-	-	-	-	-	<4	-	-	<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	52	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	202	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
Total aromatics C5-35 #	-	261	-	-	-	-	-	<19	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	261	-	-	-	-	-	<38	-	-	<38	mg/kg	TM5/TM36/PM12/PM16
Natural Moisture Content	27.0	-	39.7	41.6	22.5	35.8	42.4	22.3	58.3	-	<0.1	%	PM4/PM0
Natural Moisture Content	-	34.6	-	-	-	-	-	-	-	-	<0.1	%	PM4/PM0
Sulphate as SO4 (2:1 Ext) #	-	-	-	-	0.0084	-	-	0.0118	-	0.0118	<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext)	-	0.1427	-	-	-	-	-	-	-	-	<0.0015	g/l	TM38/PM60
Total Organic Carbon #	1.65	NDP	2.81	2.77	0.91	2.30	4.84	0.81	4.55	-	<0.02	%	TM21/PM24
Calorific Value	-	NDP	-	-	-	-	-	<1	-	-	<1	MJ/kg	TM21/PM24
pH #	8.13	7.55	6.73	6.57	7.15	6.02	5.94	6.97	6.01	-	<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	31	33	34	35	36	37	39	42	43	44	LOD/LOR	Units	Method No.
Sample ID	TPA-126	TPA-126	TPA-127	TPA-127	TPA-127	TPA-130	WSA-101	WSA-102	WSA-102	WSA-105			
Depth	0.10	1.50	0.10	0.60	1.60	0.10	0.15	0.60	2.00	0.20			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	04/09/2017	04/09/2017	04/09/2017	04/09/2017	04/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Arsenic #	12.4	<0.5	7.4	<0.5	-	12.1	7.8	8.5	19.2	16.7	<0.5	mg/kg	TM30/PM15
Cadmium #	1.6	0.1	2.6	3.4	-	3.2	3.3	2.3	0.5	2.6	<0.1	mg/kg	TM30/PM15
Chromium #	92.9	92.7	88.1	92.0	-	82.4	80.3	68.7	61.9	93.3	<0.5	mg/kg	TM30/PM15
Copper #	39	77	43	43	-	35	25	27	25	37	<1	mg/kg	TM30/PM15
Lead #	103	<5	87	5	-	121	37	38	64	102	<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	mg/kg	TM30/PM15
Nickel #	48.4	300.4 AA	75.9	108.8	-	48.8	43.2	52.1	14.8	34.6	<0.7	mg/kg	TM30/PM15
Selenium #	2	1	1	<1	-	2	<1	1	<1	2	<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #	-	141	-	89	51	-	-	329	805	-	<50	mg/kg	TM50/PM29
Water Soluble Boron #	1.3	0.4	0.9	0.3	-	1.6	0.6	0.4	0.9	1.4	<0.1	mg/kg	TM74/PM32
Zinc #	170	41	197	57	-	200	128	120	70	194	<5	mg/kg	TM30/PM15
Arsenic	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Cadmium	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Chromium	-	-	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM62
Copper	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Lead	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
Mercury	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM62
Nickel	-	-	-	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM62
Selenium	-	-	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM62
Total Sulphate as SO4	-	-	-	-	-	-	-	-	-	-	<50	mg/kg	TM50/PM29
Water Soluble Boron	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM74/PM61
Zinc	-	-	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.31	<0.03	0.09	<0.03	-	0.18	<0.03	<0.03	0.12	0.10	<0.03	mg/kg	TM4/PM8
Anthracene #	0.09	<0.04	<0.04	<0.04	-	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.48	<0.03	0.29	<0.03	-	0.57	<0.03	<0.03	0.22	0.28	<0.03	mg/kg	TM4/PM8
Pyrene #	0.42	<0.03	0.28	<0.03	-	0.53	<0.03	<0.03	0.19	0.26	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.25	<0.06	0.14	<0.06	-	0.32	<0.06	<0.06	0.15	0.20	<0.06	mg/kg	TM4/PM8
Chrysene #	0.19	<0.02	0.14	<0.02	-	0.28	<0.02	<0.02	0.10	0.15	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.32	<0.07	0.24	<0.07	-	0.56	<0.07	<0.07	0.16	0.31	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.19	<0.04	0.14	<0.04	-	0.35	<0.04	<0.04	0.11	0.20	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.12	<0.04	0.09	<0.04	-	0.22	<0.04	<0.04	0.07	0.13	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.10	<0.04	0.09	<0.04	-	0.18	<0.04	<0.04	0.05	0.10	<0.04	mg/kg	TM4/PM8
PAH 16 Total	2.5	<0.6	1.5	<0.6	-	3.3	<0.6	<0.6	1.2	1.7	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.23	<0.05	0.17	<0.05	-	0.40	<0.05	<0.05	0.12	0.22	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.09	<0.02	0.07	<0.02	-	0.16	<0.02	<0.02	0.04	0.09	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	99	100	99	99	-	100	110	101	101	99	<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : Solid

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

J E Sample No.	31	33	34	35	36	37	39	42	43	44	LOD/LOR	Units	Method No.
Sample ID	TPA-126	TPA-126	TPA-127	TPA-127	TPA-127	TPA-130	WSA-101	WSA-102	WSA-102	WSA-105			
Depth	0.10	1.50	0.10	0.60	1.60	0.10	0.15	0.60	2.00	0.20			
COC No / misc													
Containers	J	J	J	J	J	J	J	J	J	J			
Sample Date	01/09/2017	01/09/2017	01/09/2017	01/09/2017	01/09/2017	04/09/2017	04/09/2017	04/09/2017	04/09/2017	04/09/2017			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017			
Methyl Tertiary Butyl Ether #	-	-	-	-	-	-	-	<2	-	-	<2	ug/kg	TM15/PM10
Benzene #	-	-	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Toluene #	-	-	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Ethylbenzene #	-	-	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
p/m-Xylene #	-	-	-	-	-	-	-	<5	-	-	<5	ug/kg	TM15/PM10
o-Xylene #	-	-	-	-	-	-	-	<3	-	-	<3	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	-	-	-	-	-	-	-	101	-	-	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	-	-	-	-	-	-	102	-	-	<0	%	TM15/PM10
TPH CWG													
Aliphatics													
>C5-C6 #	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	-	-	-	-	-	-	<0.2	-	-	<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	-	-	-	-	-	-	<4	-	-	<4	mg/kg	TM5/PM16
>C16-C21 #	-	-	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
>C21-C35 #	-	-	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	-	-	-	-	-	-	<19	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7 #	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8 #	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	-	-	-	-	-	-	<0.1	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	-	-	-	-	-	-	<0.2	-	-	<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	-	-	-	-	-	-	<4	-	-	<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	-	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	-	-	-	-	-	-	<7	-	-	<7	mg/kg	TM5/PM16
Total aromatics C5-35 #	-	-	-	-	-	-	-	<19	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	-	-	-	-	-	<38	-	-	<38	mg/kg	TM5/TM36/PM12/PM16
Natural Moisture Content	46.5	15.1	31.2	25.2	-	39.1	24.7	20.8	26.7	42.5	<0.1	%	PM4/PM0
Natural Moisture Content	-	-	-	-	-	-	-	-	-	-	<0.1	%	PM4/PM0
Sulphate as SO4 (2:1 Ext) #	-	0.0153	-	0.0063	0.0050	-	-	0.0159	0.1063	-	<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext)	-	-	-	-	-	-	-	-	-	-	<0.0015	g/l	TM38/PM60
Total Organic Carbon #	3.27	0.75	1.63	0.80	-	3.60	1.21	1.12	1.48	3.58	<0.02	%	TM21/PM24
Calorific Value	-	-	-	-	-	-	-	<1	-	-	<1	MJ/kg	TM21/PM24
pH #	5.95	6.93	7.30	7.38	-	7.80	7.96	8.06	7.91	7.71	<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

Report : NRA Leachate

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

J E Sample No.	8	11	13	14	42	43					LOD/LOR	Units	Method No.
Sample ID	TPA-106	TPA-302	TPA-305	TPA-305	WSA-102	WSA-102							
Depth	0.40	1.00	0.40	1.10	0.60	2.00							
COC No / misc													
Containers	J	J	J	J	J	J							
Sample Date	31/08/2017	29/08/2017	01/09/2017	01/09/2017	04/09/2017	04/09/2017							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017							
Dissolved Arsenic	<2.5	<2.5	<2.5	3.5	<2.5	3.6					<2.5	ug/l	TM30/PM14
Dissolved Boron	<12	27	<12	26	<12	17					<12	ug/l	TM30/PM14
Dissolved Cadmium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM30/PM14
Dissolved Chromium	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5					<1.5	ug/l	TM30/PM14
Dissolved Copper	<7	13	<7	<7	<7	<7					<7	ug/l	TM30/PM14
Dissolved Lead	<5	<5	<5	<5	<5	<5					<5	ug/l	TM30/PM14
Dissolved Mercury	<1	<1	<1	<1	<1	<1					<1	ug/l	TM30/PM14
Dissolved Nickel	<2	<2	<2	<2	<2	<2					<2	ug/l	TM30/PM14
Dissolved Selenium	<3	<3	<3	<3	<3	<3					<3	ug/l	TM30/PM14
Dissolved Zinc	5	18	4	4	4	3					<3	ug/l	TM30/PM14
pH	7.74	7.78	8.15	7.86	8.10	7.94					<0.01	pH units	TM73/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

SVOC Report : **Solid**

J E Sample No.	2	11	14	27	42								
Sample ID	TPA-101	TPA-302	TPA-305	TPA-120	WSA-102								
Depth	0.50	1.00	1.10	0.60	0.60						Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	J	J	J	J	J								
Sample Date	31/08/2017	29/08/2017	01/09/2017	01/09/2017	04/09/2017								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017						LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	85	<10	<10						<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	160	<10	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	236	<10	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Phenol #	<10	<10	155	<10	<10						<10	ug/kg	TM16/PM8
PAHs													
2-Chloronaphthalene #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2-Methylnaphthalene #	<10	<10	1451	<10	<10						<10	ug/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Dimethyl phthalate #	<100	<100	<100	<100	<100						<100	ug/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Carbazole	<10	<10	775	<10	<10						<10	ug/kg	TM16/PM8
Dibenzofuran #	<10	<10	1272	<10	<10						<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachlorobutadiene #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Isophorone #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Nitrobenzene #	<10	<10	<10	<10	<10						<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	86	91	91	84	88						<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	93	100	108	98	105						<0	%	TM16/PM8

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon
JE Job No.: 17/14870

VOC Report : **Solid**

J E Sample No.	2	11	14	27	42								
Sample ID	TPA-101	TPA-302	TPA-305	TPA-120	WSA-102								
Depth	0.50	1.00	1.10	0.60	0.60						Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	J	J	J	J	J								
Sample Date	31/08/2017	29/08/2017	01/09/2017	01/09/2017	04/09/2017								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	06/09/2017	06/09/2017	06/09/2017	06/09/2017	06/09/2017								
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2	<2						<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #	<2	<2	<2	<2	<2						<2	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2	<2	<2						<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1	<1	<1						<1	ug/kg	TM15/PM10
Chloroethane #	<2	<2	<2	<2	<2						<2	ug/kg	TM15/PM10
Trichlorofluoromethane #	<2	<2	<2	<2	<2						<2	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<6	<6	<6	<6	<6						<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30	<30	<30						<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
Bromochloromethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Chloroform #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1,1-Trichloroethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Carbon tetrachloride #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,2-Dichloroethane #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
Benzene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Trichloroethene (TCE) #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,2-Dichloropropane #	<6	<6	<6	<6	<6						<6	ug/kg	TM15/PM10
Dibromomethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Bromodichloromethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
Toluene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,3-Dichloropropane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Dibromochloromethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Chlorobenzene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Ethylbenzene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
p/m-Xylene #	<5	<5	<5	<5	<5						<5	ug/kg	TM15/PM10
o-Xylene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Styrene	<3	<3	<3	<3	<3						<3	ug/kg	TM15_A/PM10
Bromoform	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	<2	<2						<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	<3	<3						<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	<5	<5						<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6	<6	<6						<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7	<7	<7	<7	<7						<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4	<4	<4						<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	40	<27	<27						<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7	<7	<7	<7	<7						<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	102	78	86	77	101						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	120	73	84	111	102						<0	%	TM15/PM10

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Signed on behalf of Jones Environmental Laboratory:

Ryan Butterworth
Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
17/14870	1	TPA-103	0.10	3	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stone
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-106	0.05	7	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stone
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-106	0.40	8	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-302	1.00	11	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-305	0.05	12	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stone
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
17/14870	1	TPA-305	0.05	12	14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-305	0.40	13	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	TPA-305	1.10	14	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stones
					14/09/2017	**Asbestos Fibres**	Fibre Bundles
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos Type**	Chrysotile
					14/09/2017	**Asbestos Level Screen**	less than 0.1%
17/14870	1	TPA-124	0.10	28	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	WSA-101	0.15	39	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	WSA-102	0.60	42	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	WSA-102	2.00	43	14/09/2017	**General Description (Bulk Analysis)**	soil/stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD

Client Name: ALM Consult Limited
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
17/14870	1	WSA-102	2.00	43	14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD
17/14870	1	WSA-105	0.20	44	14/09/2017	**General Description (Bulk Analysis)**	Soil/Stones
					14/09/2017	**Asbestos Fibres**	NAD
					14/09/2017	**Asbestos Fibres (2)**	NAD
					14/09/2017	**Asbestos ACM**	NAD
					14/09/2017	**Asbestos ACM (2)**	NAD
					14/09/2017	**Asbestos Type**	NAD
					14/09/2017	**Asbestos Type (2)**	NAD
					14/09/2017	**Asbestos Level Screen**	NAD

Client Name: ALM Consult Limited **Matrix : Solid**
Reference: 30156
Location: Burlow Road, Buxton (Site A)
Contact: Alex Albon

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
17/14870	1	TPA-305	1.10	14	Asbestos detected in sample

Client Name: ALM Consult Limited

Matrix : Solid

Reference: 30156

Location: Burlow Road, Buxton (Site A)

Contact: Alex Albon

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason
17/14870	1	TPA-101	0.50	2	GRO, VOC	Solid Samples were received at a temperature above 9°C.
17/14870	1	TPA-302	1.00	11	GRO, VOC	Solid Samples were received at a temperature above 9°C.
17/14870	1	TPA-305	1.10	14	GRO, VOC	Solid Samples were received at a temperature above 9°C.
17/14870	1	TPA-120	0.60	27	GRO, VOC	Solid Samples were received at a temperature above 9°C.
17/14870	1	WSA-102	0.60	42	GRO, VOC	Solid Samples were received at a temperature above 9°C.

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.

Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 17/14870

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. 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.

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 overesitimate 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

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

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.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
SA	ISO17025 (SANAS) 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.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental 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
AA	x5 Dilution

JE Job No: 17/14870

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	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 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID. Including determination of BTEX and calculation of Aliphatic fractions	PM12/PM16	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis./Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID. Including determination of BTEX and calculation of Aliphatic fractions	PM12/PM16	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis./Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes

JE Job No: 17/14870

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM14	Analysis of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for dissolved metals and acidified if required.			AR	No
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM62	Acid digestion of as received solid samples using Aqua Regia refluxed at 112.5 °C.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM60	As received solid samples are extracted with deionised water in a 2:1 ratio of water to solid.			AR	Yes

JE Job No: 17/14870

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	Dried and ground solid sample is boiled with dilute hydrochloric acid, the resulting liquor is then analysed.	Yes		AD	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	Dried and ground solid sample is boiled with dilute hydrochloric acid, the resulting liquor is then analysed.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D and BS1377:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	No
TM73	Modified US EPA methods 150.1 and 9045D and BS1377:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes		AD	Yes
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM61	As received solid samples are extracted with hot water in a 20:1 ratio of water to soil ready for analysis by ICP.			AR	Yes
TM15_A	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds, Vinyl Chloride & Styrene by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes