clarkebond

Validation of remedial capping for gardens and areas of landscaping

Site	Boreham Road, Warminster, BA12 9JP		
Developer	Backhouse Housing Ltd.		
NHBC Project No.	SNIN 0006141094		
Plot(s) number	Plot 16.		
Tested by	R Wright	**Date tested**	11/10/2023
Area of use	Garden.		
Topsoil description	Light brown sandy clay		
Topsoil origin	Unknown source – Believed to be topsoil strip from Chippenham greenfield residential development, but testing frequency reflective of an unknown source. Soils sampled from stockpiles by Clarkebond.		
Topsoil certificate attached	Yes. DETS Analysis (Ref: 23-15473)		
Subsoil description	Grey and brown slightly sandy gravelly clay.		
Subsoil origin	Amesbury 299, Kings Gate, Amesbury, Wiltshire, SP4 7FQ		
Subsoil certificate attached	YES – Extracts from Omnia Site Investigation report (Ref:A11004/1.0), lab testing undertaken by Exova Jones Environmental.		
Remedial requirements	Capping soil to be certified suitable for use and 600mm thick.		

Depth of soil cap measured	600mm	**Textile present**	Yes	**Passed**	YES



View of full thickness of capping with membrane.



View topsoil, over 150mm.

Clarkebond (UK) Limited
Registered in England & Wales No 7775761
Registered Office: 129 Cumberland Road, Bristol, BS1 6UY

Bristol Property INCLUSION CHARTER

ISO Certificate No
9001 228798
14001 228799
19650-2 229766

British Assessment Bureau
UKAS MANAGEMENT SYSTEMS 8289
ISO 9001 QUALITY MANAGEMENT

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Topsoil Analysis (DETS Analysis (Ref: 23-15473)

Certificate of Analysis

Certificate Number	23-15473	*Issued:*	07-Jul-23

Client Clarke Bond (UK) LTD
129 Cumberland Road
Bristol
BS1 6UY

Our Reference	23-15473
Client Reference	B05066
Order No	p10925
Contract Title	BA11 4PY
Description	10 Soil samples.
Date Received	29-Jun-23
Date Started	29-Jun-23
Date Completed	07-Jul-23
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

Kirk Bridgewood
General Manager

2139

Summary of Chemical Analysis
Soil Samples

Our Ref 23-15473
Client Ref B05066
Contract Title BA11 4PY

			Lab No	2194821	2194822	2194823	2194824	2194825	2194826
			.Sample ID	S1	S2	S3	S4	S5	S6
			Depth	0.10	0.10	0.10	0.10	0.10	0.10
			Other ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sampling Date	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
			Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**						
Preparation									
Stones >2mm	DETSC 1003*	1	% m/m	< 1.0	< 1.0	12	< 1.0	< 1.0	< 1.0
Moisture Content	DETSC 1004	0.1	%	11	16	17	19	12	15
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg	25	20	22	28	20	24
Cadmium	DETSC 2301#	0.1	mg/kg	0.5	0.4	0.4	0.5	0.4	0.6
Chromium	DETSC 2301#	0.15	mg/kg	25	20	23	26	22	26
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	36	32	23	25	23	23
Lead	DETSC 2301#	0.3	mg/kg	32	29	30	29	28	31
Mercury	DETSC 2325#	0.05	mg/kg	0.16	0.13	0.07	0.10	0.06	0.08
Nickel	DETSC 2301#	1	mg/kg	25	21	21	25	18	23
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	DETSC 2301#	0.8	mg/kg	66	51	60	77	55	69
Zinc	DETSC 2301#	1	mg/kg	82	78	76	79	86	88
Inorganics									
Sample Weight on Receipt	DETSC 1004	0	g	321	323	325	322	364	377
pH	DETSC 2008#		pH	7.6	7.5	7.3	7.4	7.3	7.5
Total Organic Carbon	DETSC 2084#	0.5	%	2.1	3.7	3.6	3.4	1.9	2.3
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	110	86	36	21	16	14
Petroleum Hydrocarbons									
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg	< 1.5	3.7	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg	< 1.2	1.9	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg	< 1.5	2.7	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg	< 3.4	3.7	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C35-C44	DETSC 3072*	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C10-C44	DETSC 3072*	10	mg/kg	< 10	11	< 10	< 10	< 10	< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	1.3	< 0.5	< 0.5	< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	5.5	< 0.6	< 0.6	< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	2.1	< 1.4	< 1.4	< 1.4
Aromatic C35-C44	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C10-C44	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10
Ali/Aro C10-C44	DETSC 3072*	10	mg/kg	< 10	11	< 10	< 10	< 10	< 10
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Key: * -not accredited. # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Summary of Chemical Analysis
Soil Samples

Our Ref 23-15473
Client Ref B05066
Contract Title BA11 4PY

			Lab No	2194821	2194822	2194823	2194824	2194825	2194826
			.Sample ID	S1	S2	S3	S4	S5	S6
			Depth	0.10	0.10	0.10	0.10	0.10	0.10
			Other ID						
			Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sampling Date	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
			Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**						
Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs									
Naphthalene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.03	0.03	< 0.03	< 0.03	< 0.03
Anthracene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	0.10	0.10	0.05	0.08	0.05
Pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.09	0.09	0.04	0.07	0.05
Benzo(a)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	0.06	0.05	0.04	0.05	0.04
Chrysene	DETSC 3303	0.03	mg/kg	< 0.03	0.07	0.07	< 0.03	0.05	< 0.03
Benzo(b)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	0.09	0.09	0.04	0.07	0.04
Benzo(k)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(a)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.06	0.06	< 0.03	0.05	< 0.03
Indeno(1,2,3-c,d)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.03	0.03	< 0.03	0.03	< 0.03
Dibenzo(a,h)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(g,h,i)perylene	DETSC 3303#	0.03	mg/kg	< 0.03	0.04	0.04	< 0.03	0.03	< 0.03
PAH - USEPA 16, Total	DETSC 3303	0.1	mg/kg	< 0.10	0.52	0.50	0.17	0.37	0.17

Key: * -not accredited. # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Summary of Chemical Analysis
Soil Samples

Our Ref 23-15473
Client Ref B05066
Contract Title BA11 4PY

			Lab No	2194827	2194828	2194829	2194830
			.Sample ID	S7	S8	S9	S10
			Depth	0.10	0.10	0.10	0.10
			Other ID				
			Sample Type	SOIL	SOIL	SOIL	SOIL
			Sampling Date	23/06/2023	23/06/2023	23/06/2023	23/06/2023
			Sampling Time	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
Preparation							
Stones >2mm	DETSC 1003*	1	% m/m	5.0	< 1.0	< 1.0	< 1.0
Moisture Content	DETSC 1004	0.1	%	13	18	16	16
Metals							
Arsenic	DETSC 2301#	0.2	mg/kg	22	35	19	22
Cadmium	DETSC 2301#	0.1	mg/kg	0.4	0.5	0.4	0.4
Chromium	DETSC 2301#	0.15	mg/kg	22	34	16	22
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	22	21	25	24
Lead	DETSC 2301#	0.3	mg/kg	30	30	23	27
Mercury	DETSC 2325#	0.05	mg/kg	0.09	0.09	0.10	0.08
Nickel	DETSC 2301#	1	mg/kg	19	30	17	20
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	DETSC 2301#	0.8	mg/kg	62	110	47	60
Zinc	DETSC 2301#	1	mg/kg	81	95	62	78
Inorganics							
Sample Weight on Receipt	DETSC 1004	0	g	335	329	351	364
pH	DETSC 2008#		pH	7.5	7.6	7.5	7.4
Total Organic Carbon	DETSC 2084#	0.5	%	2.1	2.7	4.0	2.2
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	17	13	17	14
Petroleum Hydrocarbons							
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C35-C44	DETSC 3072*	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C10-C44	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C35-C44	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C10-C44	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Ali/Aro C10-C44	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
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

Key: * -not accredited. # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Summary of Chemical Analysis
Soil Samples

Our Ref 23-15473
Client Ref B05066
Contract Title BA11 4PY

			Lab No	2194827	2194828	2194829	2194830
			.Sample ID	S7	S8	S9	S10
			Depth	0.10	0.10	0.10	0.10
			Other ID				
			Sample Type	SOIL	SOIL	SOIL	SOIL
			Sampling Date	23/06/2023	23/06/2023	23/06/2023	23/06/2023
			Sampling Time	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
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
PAHs							
Naphthalene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Acenaphthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Fluorene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	0.04	< 0.03
Anthracene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Fluoranthene	DETSC 3303#	0.03	mg/kg	0.05	0.08	0.11	0.05
Pyrene	DETSC 3303#	0.03	mg/kg	0.04	0.08	0.10	0.05
Benzo(a)anthracene	DETSC 3303#	0.03	mg/kg	0.03	0.05	0.06	0.04
Chrysene	DETSC 3303	0.03	mg/kg	< 0.03	0.06	0.07	0.03
Benzo(b)fluoranthene	DETSC 3303#	0.03	mg/kg	0.04	0.08	0.08	0.04
Benzo(k)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	0.03	< 0.03
Benzo(a)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.05	0.06	< 0.03
Indeno(1,2,3-c,d)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	0.04	< 0.03
Dibenzo(a,h)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	< 0.03	< 0.03
Benzo(g,h,i)perylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03	0.04	< 0.03
PAH - USEPA 16, Total	DETSC 3303	0.1	mg/kg	0.12	0.42	0.60	0.18

Key: * -not accredited. # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Summary of Asbestos Analysis
Soil Samples

Our Ref 23-15473
Client Ref B05066
Contract Title BA11 4PY

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2194821	S1 0.10	SOIL	NAD	NA	SUB
2194822	S2 0.10	SOIL	NAD	NA	SUB
2194823	S3 0.10	SOIL	NAD	NA	SUB
2194824	S4 0.10	SOIL	NAD	NA	SUB
2194825	S5 0.10	SOIL	NAD	NA	SUB
2194826	S6 0.10	SOIL	NAD	NA	SUB
2194827	S7 0.10	SOIL	NAD	NA	SUB
2194828	S8 0.10	SOIL	NAD	NA	SUB
2194829	S9 0.10	SOIL	NAD	NA	SUB
2194830	S10 0.10	SOIL	NAD	NA	SUB

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * - not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 23-15473
Client Ref B05066
Contract BA11 4PY

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
2194821	S1 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194822	S2 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194823	S3 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194824	S4 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194825	S5 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194826	S6 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194827	S7 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194828	S8 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194829	S9 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		
2194830	S10 0.10 SOIL	23/06/23	GJ 250ml, GJ 60ml		

Key: G-Glass J-Jar

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

End of Report

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Subsoil Analysis (from Omnia Site Investigation report (Ref:A11004/1.0))

APPENDIX VI

CHEMICAL ANALYSIS CERTIFICATES

Exova Jones Environmental

Registered Office: Exova Environmental UK Limited, 10 Lower Grosvenor Place, London, SW1W 0EN. Reg No. 11371415

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

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

Omnia
10 Manor Court
2 Barnes Wallis Road
Segensworth
Fareham
PO15 5TH

Attention :	Tim Mitchell
Date :	7th September, 2018
Your reference :	A11004
Our reference :	Test Report 18/13395 Batch 1
Location :	Amesbury 299
Date samples received :	23rd August, 2018
Status :	Final report
Issue :	1

Fifty nine samples were received for analysis on 23rd August, 2018 of which twenty six 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:

Phil Sommerton BSc
Project Manager

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	3-4	5-6	11-12	15-16	19-20	25-26	29-30	33-34	35-36	51-52	LOD/LOR	Units	Method No.
Sample ID	TP101	TP102	TP104	TP106	WS101	WS102	WS103	WS103	WS104	WS107			
Depth	0.50-0.60	2.00-2.10	0.20-0.30	0.20-0.30	0.10-0.15	0.20-0.30	0.20-0.30	1.10-1.20	0.30-0.40	0.10-0.20			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	20/08/2018	20/08/2018	20/08/2018	20/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	14/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Arsenic #	<0.5	-	<0.5	9.0	8.4	3.2	-	-	7.1	8.3	<0.5	mg/kg	TM30/PM15
Barium #	9	-	9	95	82	38	-	-	74	92	<1	mg/kg	TM30/PM15
Beryllium	<0.5	-	<0.5	1.1	1.0	<0.5	-	-	0.8	1.2	<0.5	mg/kg	TM30/PM15
Cadmium #	0.4	-	0.3	0.7	0.8	0.6	-	-	0.7	0.5	<0.1	mg/kg	TM30/PM15
Chromium #	10.1	-	10.4	50.5	47.2	17.3	-	-	46.1	63.8	<0.5	mg/kg	TM30/PM15
Copper #	2	-	1	12	12	5	-	-	11	12	<1	mg/kg	TM30/PM15
Lead #	<5	-	<5	24	24	<5	-	-	19	20	<5	mg/kg	TM30/PM15
Mercury #	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Nickel #	2.9	-	2.5	23.6	20.7	9.5	-	-	18.2	26.9	<0.7	mg/kg	TM30/PM15
Selenium #	<1	-	<1	<1	<1	<1	-	-	<1	<1	<1	mg/kg	TM30/PM15
Vanadium	2	-	3	40	35	16	-	-	30	44	<1	mg/kg	TM30/PM15
Water Soluble Boron #	<0.1	-	<0.1	2.1	2.3	0.9	-	-	2.2	1.5	<0.1	mg/kg	TM74/PM32
Zinc #	14	-	11	70	72	31	-	-	58	72	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<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	mg/kg	TM4/PM8
Acenaphthene #	<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	mg/kg	TM4/PM8
Phenanthrene #	<0.03	-	<0.03	<0.03	<0.03	<0.03	-	-	0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	-	<0.04	<0.04	<0.04	<0.04	-	-	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	<0.03	-	<0.03	0.08	0.04	<0.03	-	-	0.11	0.03	<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	-	<0.03	0.07	0.04	<0.03	-	-	0.10	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	-	<0.06	0.07	<0.06	<0.06	-	-	0.08	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene #	<0.02	-	<0.02	0.06	0.03	<0.02	-	-	0.07	0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	<0.07	-	<0.07	0.09	<0.07	<0.07	-	-	0.13	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	-	<0.04	0.06	<0.04	<0.04	-	-	0.07	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	<0.04	-	<0.04	<0.04	<0.04	<0.04	-	-	0.06	<0.04	<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	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	-	<0.04	<0.04	<0.04	<0.04	-	-	0.06	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	-	<0.6	<0.6	<0.6	<0.6	-	-	0.7	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	-	<0.05	0.06	<0.05	<0.05	-	-	0.09	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	-	<0.02	0.03	<0.02	<0.02	-	-	0.04	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	84	-	84	82	98	93	-	-	101	82	<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	3-4	5-6	11-12	15-16	19-20	25-26	29-30	33-34	35-36	51-52	LOD/LOR	Units	Method No.
Sample ID	TP101	TP102	TP104	TP106	WS101	WS102	WS103	WS103	WS104	WS107			
Depth	0.50-0.60	2.00-2.10	0.20-0.30	0.20-0.30	0.10-0.15	0.20-0.30	0.20-0.30	1.10-1.20	0.30-0.40	0.10-0.20			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	20/08/2018	20/08/2018	20/08/2018	20/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	14/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Pesticides													
Organochlorine Pesticides													
Aldrin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Alpha-HCH (BHC)	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Beta-HCH (BHC)	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Chlorothalonil	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
cis-Chlordane	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Delta-HCH (BHC)	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Dieldrin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan I	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan II	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan sulphate	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Endrin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Gamma-HCH (BHC)	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Heptachlor	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Heptachlor Epoxide	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Hexachlorobenzene	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Isodrin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
o,p'-DDE	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
o,p'-DDT	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
o,p'-Methoxychlor	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
o,p'-TDE	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
p,p'-DDE	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
p,p'-DDT	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
p,p'-Methoxychlor	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
p,p'-TDE	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Pendimethalin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Permethrin I	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Permethrin II	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Quintozene (PCNB)	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Tecnazene	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Telodrin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
trans-Chlordane	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Triadimefon	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Triallate	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
Trifluralin	-	-	-	-	-	-	<10	-	-	-	<10	ug/kg	TM42/PM8
2,3,6 - TBA	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
2,4 - D	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
2,4 - DB	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
2,4,5 - T	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
4 - CPA	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Benazolin	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Bentazone	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	3-4	5-6	11-12	15-16	19-20	25-26	29-30	33-34	35-36	51-52	LOD/LOR	Units	Method No.
Sample ID	TP101	TP102	TP104	TP106	WS101	WS102	WS103	WS103	WS104	WS107			
Depth	0.50-0.60	2.00-2.10	0.20-0.30	0.20-0.30	0.10-0.15	0.20-0.30	0.20-0.30	1.10-1.20	0.30-0.40	0.10-0.20			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	20/08/2018	20/08/2018	20/08/2018	20/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	13/08/2018	14/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Bromoxynil	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Clopyralid	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Dicamba	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Dichloroprop	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Diclofop	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Fenoprop	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Flamprop	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Flamprop – isopropyl	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Ioxynil	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
MCPA	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
MCPB	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Mecoprop	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Pentachlorophenol	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Picloram	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
Triclopyr	-	-	-	-	-	-	<0.1	-	-	-	<0.1	mg/kg	TM42/PM8
EPH >C8-C10 #	<5	-	<5	<5	<5	<5	-	-	<5	<5	<5	mg/kg	TM5/PM8
EPH >C10-C12 #	<10	-	<10	<10	<10	<10	-	-	<10	<10	<10	mg/kg	TM5/PM8
EPH >C12-C16 #	<10	-	<10	<10	<10	<10	-	-	<10	<10	<10	mg/kg	TM5/PM8
EPH >C16-C21 #	<10	-	<10	<10	<10	<10	-	-	<10	<10	<10	mg/kg	TM5/PM8
EPH >C21-C40	<10	-	<10	77	80	<10	-	-	113	24	<10	mg/kg	TM5/PM8
EPH >C8-C40	<30	-	<30	77	80	<30	-	-	113	<30	<30	mg/kg	TM5/PM8
GRO (>C4-C6)	<100	-	<100	<100	<100	<100	-	-	<100	<100	<100	ug/kg	TM36/PM12
GRO (>C6-C8) #	<100	-	<100	<100	<100	<100	-	-	<100	<100	<100	ug/kg	TM36/PM12
GRO (>C4-C8)	<100	-	<100	<100	<100	<100	-	-	<100	<100	<100	ug/kg	TM36/PM12
Total Phenols HPLC	<0.15	-	<0.15	<0.15	<0.15	<0.15	-	-	<0.15	<0.15	<0.15	mg/kg	TM26/PM21
Natural Moisture Content	17.7	22.8	20.1	11.0	11.0	13.5	13.0	23.4	11.7	9.6	<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	-	<0.3	<0.3	<0.3	<0.3	-	-	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0035	<0.0015	0.0024	<0.0015	<0.0015	<0.0015	-	<0.0015	<0.0015	<0.0015	<0.0015	g/l	TM38/PM20
Chromium III	10.1	-	10.4	50.5	47.2	17.3	-	-	46.1	63.8	<0.5	mg/kg	NONE/NONE
Total Cyanide #	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	mg/kg	TM89/PM45
pH #	9.30	9.25	9.22	8.00	7.97	8.53	-	9.24	7.91	8.02	<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	55-56	57-58	59-60	67-68	75-76	79-80	85-86	87-88	89-90	91-92	LOD/LOR	Units	Method No.
Sample ID	WS107	WS108	WS109	WS111	WS113	WS114	WS122	WS122	WS122	WS123			
Depth	2.50-2.60	0.10-0.20	0.30-0.40	0.30-0.40	0.20-0.30	0.70-0.80	0.60-0.70	1.00-1.10	1.15-1.25	0.40-0.50			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	14/08/2018	14/08/2018	14/08/2018	15/08/2018	15/08/2018	15/08/2018	17/08/2018	17/08/2018	17/08/2018	17/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Arsenic #	-	2.2	8.7	9.7	0.5	-	5.7	3.8	5.3	4.5	<0.5	mg/kg	TM30/PM15
Barium #	-	26	89	89	11	-	124	118	67	80	<1	mg/kg	TM30/PM15
Beryllium	-	<0.5	1.0	1.1	<0.5	-	0.6	<0.5	0.8	0.6	<0.5	mg/kg	TM30/PM15
Cadmium #	-	0.3	0.6	0.7	0.4	-	0.7	0.6	0.7	0.8	<0.1	mg/kg	TM30/PM15
Chromium #	-	30.3	51.5	62.8	4.2	-	32.0	9.9	52.9	24.5	<0.5	mg/kg	TM30/PM15
Copper #	-	4	13	13	2	-	11	6	12	9	<1	mg/kg	TM30/PM15
Lead #	-	<5	22	26	<5	-	18	20	22	17	<5	mg/kg	TM30/PM15
Mercury #	-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Nickel #	-	7.6	21.1	25.0	2.5	-	13.5	5.7	17.8	12.0	<0.7	mg/kg	TM30/PM15
Selenium #	-	<1	1	<1	<1	-	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Vanadium	-	10	37	39	4	-	23	12	28	21	<1	mg/kg	TM30/PM15
Water Soluble Boron #	-	0.3	1.9	1.2	0.3	-	1.3	0.6	1.8	1.8	<0.1	mg/kg	TM74/PM32
Zinc #	-	19	61	71	11	-	69	33	65	57	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	-	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	<0.03	<0.03	<0.03	<0.03	-	0.04	<0.30 AA	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.50 AA	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #	-	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #	-	<0.03	0.03	<0.03	<0.03	-	0.22	<0.30 AA	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene #	-	<0.04	<0.04	<0.04	<0.04	-	0.10	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #	-	<0.03	0.12	0.06	<0.03	-	0.41	0.42 AA	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene #	-	<0.03	0.10	0.05	<0.03	-	0.38	0.41 AA	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	<0.06	0.10	0.06	<0.06	-	0.26	<0.60 AA	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene #	-	<0.02	0.08	0.04	<0.02	-	0.20	<0.20 AA	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	-	<0.07	0.14	0.08	<0.07	-	0.36	<0.70 AA	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	<0.04	0.09	0.05	<0.04	-	0.20	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	-	<0.04	0.05	<0.04	<0.04	-	0.14	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	<0.04	0.05	<0.04	<0.04	-	0.14	<0.40 AA	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	<0.6	0.8	<0.6	<0.6	-	2.5	<6.0 AA	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	<0.05	0.10	0.06	<0.05	-	0.26	<0.50 AA	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	<0.02	0.04	0.02	<0.02	-	0.10	<0.20 AA	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	89	88	86	89	-	96	96 AA	97	92	<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	55-56	57-58	59-60	67-68	75-76	79-80	85-86	87-88	89-90	91-92	LOD/LOR	Units	Method No.
Sample ID	WS107	WS108	WS109	WS111	WS113	WS114	WS122	WS122	WS122	WS123			
Depth	2.50-2.60	0.10-0.20	0.30-0.40	0.30-0.40	0.20-0.30	0.70-0.80	0.60-0.70	1.00-1.10	1.15-1.25	0.40-0.50			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	14/08/2018	14/08/2018	14/08/2018	15/08/2018	15/08/2018	15/08/2018	17/08/2018	17/08/2018	17/08/2018	17/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Pesticides													
Organochlorine Pesticides													
Aldrin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Alpha-HCH (BHC)	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Beta-HCH (BHC)	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Chlorothalonil	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
cis-Chlordane	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Delta-HCH (BHC)	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Dieldrin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan I	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan II	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Endosulphan sulphate	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Endrin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Gamma-HCH (BHC)	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Heptachlor	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Heptachlor Epoxide	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Isodrin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
o,p'-DDE	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
o,p'-DDT	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
o,p'-Methoxychlor	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
o,p'-TDE	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
p,p'-DDE	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
p,p'-DDT	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
p,p'-Methoxychlor	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
p,p'-TDE	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Pendimethalin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Permethrin I	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Permethrin II	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Quintozene (PCNB)	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Tecnazene	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Telodrin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
trans-Chlordane	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Triadimefon	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Triallate	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
Trifluralin	-	-	-	-	-	-	-	-	-	-	<10	ug/kg	TM42/PM8
2,3,6 - TBA	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
2,4 - D	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
2,4 - DB	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
2,4,5 - T	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
4 - CPA	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Benazolin	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Bentazone	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	55-56	57-58	59-60	67-68	75-76	79-80	85-86	87-88	89-90	91-92	LOD/LOR	Units	Method No.
Sample ID	WS107	WS108	WS109	WS111	WS113	WS114	WS122	WS122	WS122	WS123			
Depth	2.50-2.60	0.10-0.20	0.30-0.40	0.30-0.40	0.20-0.30	0.70-0.80	0.60-0.70	1.00-1.10	1.15-1.25	0.40-0.50			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J			
Sample Date	14/08/2018	14/08/2018	14/08/2018	15/08/2018	15/08/2018	15/08/2018	17/08/2018	17/08/2018	17/08/2018	17/08/2018			
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	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018			
Bromoxynil	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Clopyralid	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Dicamba	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Dichloroprop	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Diclofop	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Fenoprop	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Flamprop	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Flamprop – isopropyl	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Ioxynil	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
MCPA	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
MCPB	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Mecoprop	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Picloram	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
Triclopyr	-	-	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM42/PM8
EPH >C8-C10 #	-	<5	<5	<5	<5	-	<5	<5	<5	<5	<5	mg/kg	TM5/PM8
EPH >C10-C12 #	-	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	mg/kg	TM5/PM8
EPH >C12-C16 #	-	<10	<10	<10	<10	-	<10	35	<10	<10	<10	mg/kg	TM5/PM8
EPH >C16-C21 #	-	<10	<10	<10	<10	-	<10	239	<10	<10	<10	mg/kg	TM5/PM8
EPH >C21-C40	-	<10	88	77	<10	-	146	859	20	103	<10	mg/kg	TM5/PM8
EPH >C8-C40	-	<30	88	77	<30	-	146	1133	<30	103	<30	mg/kg	TM5/PM8
GRO (>C4-C6)	-	<100	<100	<100	<100	-	<100	<100	<100	<100	<100	ug/kg	TM36/PM12
GRO (>C6-C8) #	-	<100	<100	<100	<100	-	<100	<100	<100	<100	<100	ug/kg	TM36/PM12
GRO (>C4-C8)	-	<100	<100	<100	<100	-	<100	<100	<100	<100	<100	ug/kg	TM36/PM12
Total Phenols HPLC	-	<0.15	<0.15	<0.15	<0.15	-	<0.15	<0.15	<0.15	<0.15	<0.15	mg/kg	TM26/PM21
Natural Moisture Content	20.6	9.3	7.2	7.4	8.9	18.7	7.6	3.1	19.6	14.9	<0.1	%	PM4/PM0
Hexavalent Chromium #	-	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	<0.0015	<0.0015	<0.0015	<0.0015	0.0018	<0.0015	0.0245	0.0316	0.0190	<0.0015	<0.0015	g/l	TM38/PM20
Chromium III	-	30.3	51.5	62.8	4.2	-	32.0	9.9	52.9	24.5	<0.5	mg/kg	NONE/NONE
Total Cyanide #	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	mg/kg	TM89/PM45
pH #	9.31	8.72	7.76	7.24	8.81	9.22	8.06	8.22	8.23	8.24	<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	99-100	101-102	103-104	107-108	111-112	117-118					LOD/LOR	Units	Method No.
Sample ID	WS125	WS126	WS126	WS118	WS119	WS121							
Depth	0.10-0.20	0.30-0.40	1.80-1.90	0.10-0.40	0.10-0.40	0.10-0.40							
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J							
Sample Date	17/08/2018	17/08/2018	17/08/2018	16/08/2018	16/08/2018	16/08/2018							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018							
Arsenic #	18.4	6.3	3.8	6.3	-	8.4					<0.5	mg/kg	TM30/PM15
Barium #	93	80	96	78	-	92					<1	mg/kg	TM30/PM15
Beryllium	1.0	0.8	<0.5	0.7	-	1.1					<0.5	mg/kg	TM30/PM15
Cadmium #	2.2	0.9	0.6	0.7	-	0.7					<0.1	mg/kg	TM30/PM15
Chromium #	30.7	35.0	25.0	47.1	-	51.9					<0.5	mg/kg	TM30/PM15
Copper #	9	12	6	11	-	13					<1	mg/kg	TM30/PM15
Lead #	22	21	11	16	-	25					<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	<0.1	-	<0.1					<0.1	mg/kg	TM30/PM15
Nickel #	15.4	17.1	9.4	16.5	-	24.0					<0.7	mg/kg	TM30/PM15
Selenium #	<1	1	<1	<1	-	<1					<1	mg/kg	TM30/PM15
Vanadium	30	31	16	26	-	40					<1	mg/kg	TM30/PM15
Water Soluble Boron #	1.6	1.7	1.6	2.2	-	2.3					<0.1	mg/kg	TM74/PM32
Zinc #	155	71	45	56	-	75					<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<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	mg/kg	TM4/PM8
Acenaphthene #	<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	mg/kg	TM4/PM8
Phenanthrene #	<0.03	<0.03	<0.03	<0.03	-	<0.03					<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	0.05	<0.04	-	<0.04					<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.08	<0.03	0.08	0.05	-	0.07					<0.03	mg/kg	TM4/PM8
Pyrene #	0.07	<0.03	0.08	0.05	-	0.06					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	0.08	<0.06	-	<0.06					<0.06	mg/kg	TM4/PM8
Chrysene #	0.06	<0.02	0.13	0.03	-	0.04					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.14	<0.07	0.31	<0.07	-	0.08					<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.09	<0.04	0.16	<0.04	-	0.05					<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.06	<0.04	0.13	<0.04	-	<0.04					<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	-	<0.04					<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.06	<0.04	0.12	<0.04	-	<0.04					<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	1.1	<0.6	-	<0.6					<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.10	<0.05	0.22	<0.05	-	0.06					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.04	<0.02	0.09	<0.02	-	0.02					<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	93	89	94	89	-	84					<0	%	TM4/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	99-100	101-102	103-104	107-108	111-112	117-118					LOD/LOR	Units	Method No.
Sample ID	WS125	WS126	WS126	WS118	WS119	WS121							
Depth	0.10-0.20	0.30-0.40	1.80-1.90	0.10-0.40	0.10-0.40	0.10-0.40							
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J							
Sample Date	17/08/2018	17/08/2018	17/08/2018	16/08/2018	16/08/2018	16/08/2018							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018							
Pesticides													
Organochlorine Pesticides													
Aldrin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Alpha-HCH (BHC)	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Beta-HCH (BHC)	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Chlorothalonil	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
cis-Chlordane	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Delta-HCH (BHC)	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Dieldrin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Endosulphan I	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Endosulphan II	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Endosulphan sulphate	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Endrin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Gamma-HCH (BHC)	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Heptachlor	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Heptachlor Epoxide	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Hexachlorobenzene	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Isodrin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
o,p'-DDE	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
o,p'-DDT	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
o,p'-Methoxychlor	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
o,p'-TDE	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
p,p'-DDE	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
p,p'-DDT	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
p,p'-Methoxychlor	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
p,p'-TDE	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Pendimethalin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Permethrin I	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Permethrin II	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Quintozene (PCNB)	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Tecnazene	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Telodrin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
trans-Chlordane	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Triadimefon	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Triallate	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
Trifluralin	-	-	-	-	<10	-					<10	ug/kg	TM42/PM8
2,3,6 - TBA	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
2,4 - D	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
2,4 - DB	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
2,4,5 - T	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
4 - CPA	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Benazolin	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Bentazone	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell
JE Job No.: 18/13395

Report : Solid

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

J E Sample No.	99-100	101-102	103-104	107-108	111-112	117-118					LOD/LOR	Units	Method No.
Sample ID	WS125	WS126	WS126	WS118	WS119	WS121							
Depth	0.10-0.20	0.30-0.40	1.80-1.90	0.10-0.40	0.10-0.40	0.10-0.40							
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J							
Sample Date	17/08/2018	17/08/2018	17/08/2018	16/08/2018	16/08/2018	16/08/2018							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018	23/08/2018							
Bromoxynil	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Clopyralid	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Dicamba	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Dichloroprop	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Diclofop	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Fenoprop	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Flamprop	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Flamprop – isopropyl	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Ioxynil	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
MCPA	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
MCPB	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Mecoprop	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Pentachlorophenol	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Picloram	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
Triclopyr	-	-	-	-	<0.1	-					<0.1	mg/kg	TM42/PM8
EPH >C8-C10 #	<5	<5	<5	<5	-	<5					<5	mg/kg	TM5/PM8
EPH >C10-C12 #	<10	<10	<10	<10	-	<10					<10	mg/kg	TM5/PM8
EPH >C12-C16 #	<10	<10	<10	<10	-	<10					<10	mg/kg	TM5/PM8
EPH >C16-C21 #	<10	<10	<10	<10	-	<10					<10	mg/kg	TM5/PM8
EPH >C21-C40	127	99	237	121	-	104					<10	mg/kg	TM5/PM8
EPH >C8-C40	127	99	237	121	-	104					<30	mg/kg	TM5/PM8
GRO (>C4-C6)	<100	<100	<100	<100	-	<100					<100	ug/kg	TM36/PM12
GRO (>C6-C8) #	<100	<100	<100	<100	-	<100					<100	ug/kg	TM36/PM12
GRO (>C4-C8)	<100	<100	<100	<100	-	<100					<100	ug/kg	TM36/PM12
Total Phenols HPLC	<0.15	0.15	<0.15	<0.15	-	<0.15					<0.15	mg/kg	TM26/PM21
Natural Moisture Content	12.7	12.4	17.5	13.9	15.1	20.8					<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	-	<0.3					<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0379	<0.0015	0.0859	<0.0015	-	0.0697					<0.0015	g/l	TM38/PM20
Chromium III	30.7	35.0	25.0	47.1	-	51.9					<0.5	mg/kg	NONE/NONE
Total Cyanide #	<0.5	<0.5	<0.5	<0.5	-	<0.5					<0.5	mg/kg	TM89/PM45
pH #	7.94	8.04	8.07	8.09	-	7.76					<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell

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 less than 0.1%, 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
18/13395	1	TP101	0.50-0.60	4	04/09/2018	**General Description (Bulk Analysis)**	Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	TP104	0.20-0.30	12	04/09/2018	**General Description (Bulk Analysis)**	Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	TP106	0.20-0.30	16	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS101	0.10-0.15	20	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS102	0.20-0.30	26	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS104	0.30-0.40	36	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS107	0.10-0.20	52	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
18/13395	1	WS107	0.10-0.20	52	04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS108	0.10-0.20	58	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS109	0.30-0.40	60	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS111	0.30-0.40	68	04/09/2018	**General Description (Bulk Analysis)**	soil-stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS113	0.20-0.30	76	04/09/2018	**General Description (Bulk Analysis)**	Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS122	0.60-0.70	86	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS122	1.00-1.10	88	04/09/2018	**General Description (Bulk Analysis)**	soil-stones-chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS122	1.15-1.25	90	04/09/2018	**General Description (Bulk Analysis)**	soil-stones-chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS123	0.40-0.50	92	04/09/2018	**General Description (Bulk Analysis)**	soil-stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS125	0.10-0.20	100	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD

Client Name: Omnia
Reference: A11004
Location: Amesbury 299
Contact: Tim Mitchell

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
18/13395	1	WS125	0.10-0.20	100	04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS126	0.30-0.40	102	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS126	1.80-1.90	104	04/09/2018	**General Description (Bulk Analysis)**	soil-stones-chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS118	0.10-0.40	108	04/09/2018	**General Description (Bulk Analysis)**	Soil/Stone/Chalk
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD
18/13395	1	WS121	0.10-0.40	118	04/09/2018	**General Description (Bulk Analysis)**	soil/stones
					04/09/2018	**Asbestos Fibres**	NAD
					04/09/2018	**Asbestos ACM**	NAD
					04/09/2018	**Asbestos Type**	NAD
					04/09/2018	**Asbestos Level Screen**	NAD

Client Name: Omnia

Matrix : Solid

Reference: A11004

Location: Amesbury 299

Contact: Tim Mitchell

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason
18/13395	1	TP101	0.50-0.60	3-4	GRO	Sample holding time exceeded
18/13395	1	TP104	0.20-0.30	11-12	GRO	Sample holding time exceeded
18/13395	1	TP106	0.20-0.30	15-16	GRO	Sample holding time exceeded
18/13395	1	WS101	0.10-0.15	19-20	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS102	0.20-0.30	25-26	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS104	0.30-0.40	35-36	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS107	0.10-0.20	51-52	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS108	0.10-0.20	57-58	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS109	0.30-0.40	59-60	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS111	0.30-0.40	67-68	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS113	0.20-0.30	75-76	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS122	0.60-0.70	85-86	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS122	1.00-1.10	87-88	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS122	1.15-1.25	89-90	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS123	0.40-0.50	91-92	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS125	0.10-0.20	99-100	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS126	0.30-0.40	101-102	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS126	1.80-1.90	103-104	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS118	0.10-0.40	107-108	Cyanide, EPH, GRO, PAH	Sample holding time exceeded
18/13395	1	WS121	0.10-0.40	117-118	Cyanide, EPH, GRO, PAH	Sample holding time exceeded

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.: 18/13395

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.

REPORTS FROM THE SOUTH AFRICA LABORATORY

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

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.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to an Exova 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	x10 Dilution

JE Job No: 18/13395

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.			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.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			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.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21	As received solid or water samples are extracted in Methanol: Sodium Hydroxide (0.1M NaOH) (60:40) by orbital shaker.			AR	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	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.			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	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
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

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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
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods 325.2 (Chloride), 375.4 (Sulphate), 365.2 (o-Phosphate), 353.1 (TON), 354.1 (Nitrite), 350.1 (NH4+), 7196A (Hex Cr)	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 Discrete Analyser. Modified US EPA methods 325.2 (Chloride), 375.4 (Sulphate), 365.2 (o-Phosphate), 353.1 (TON), 354.1 (Nitrite), 350.1 (NH4+), 7196A (Hex Cr)	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		AR	Yes
TM42	Modified US EPA method 8270. Pesticides and herbicides by GC-MS	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			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.	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
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes		AR	Yes
NONE	No Method Code	NONE	No Method Code			AR	Yes