



Exova Jones Environmental

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Attention :	Blathnaid Mcpolin
Date :	15th May, 2018
Your reference :	MDR1223
Our reference :	Test Report 18/6422 Batch 1
Location :	
Date samples received :	27th April, 2018
Status :	Final report
Issue :	1

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Four samples were received for analysis on 27th April, 2018 of which four were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied. All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Bruce Leslie
Project Co-ordinator

Client Name: RPS
Reference: MDR1223
Location:
Contact: Blathnaid Mcpolin
JE Job No.: 18/6422

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

J E Sample No.	1-9	10-18	19-27	28-36								
Sample ID	S1	S2	S3	S4								
Depth												
COC No / misc												
Containers	V H HN Z P BOD G	V H HN Z P BOD G	V H HN Z P BOD G	V H HN Z P BOD G								
Sample Date	26/04/2018	26/04/2018	26/04/2018	26/04/2018								
Sample Type	Surface Water	Surface Water	Surface Water	Surface Water								
Batch Number	1	1	1	1								
Date of Receipt	27/04/2018	27/04/2018	27/04/2018	27/04/2018								
										LOD/LOR	Units	Method No.
Please see attached notes for all abbreviations and acronyms												
Pesticides												
Organochlorine Pesticides												
Aldrin	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Alpha-HCH (BHC)	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Beta-HCH (BHC)	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Delta-HCH (BHC)	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Dieldrin	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Endosulphan I	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Endosulphan II	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Endosulphan sulphate	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Endrin	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Gamma-HCH (BHC)	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Heptachlor	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Heptachlor Epoxide	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
o,p'-Methoxychlor	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
p,p'-DDE	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
p,p'-DDT	<0.05 ^{AA}	<0.05 ^{AA}	<0.05 ^{AA}	<0.05 ^{AA}						<0.01	ug/l	TM149/PM30
p,p'-Methoxychlor	<0.05 ^{AA}	<0.05 ^{AA}	<0.05 ^{AA}	<0.05 ^{AA}						<0.01	ug/l	TM149/PM30
p,p'-TDE	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Organophosphorus Pesticides												
Azinphos methyl	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Diazinon	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Dichlorvos	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Disulfoton	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Ethion	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Ethyl Parathion (Parathion)	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Fenitrothion	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Malathion	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Methyl Parathion	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Mevinphos	<0.01	<0.01	<0.01	<0.01						<0.01	ug/l	TM149/PM30
Fluoride	<0.3	<0.3	<0.3	<0.3						<0.3	mg/l	TM173/PM0
Sulphate as SO ₄ [#]	42.5	43.6	21.9	31.5						<0.5	mg/l	TM38/PM0
Nitrate as NO ₃ [#]	<0.2	<0.2	3.2	3.0						<0.2	mg/l	TM38/PM0
Nitrite as NO ₂ [#]	<0.02	0.24	<0.02	<0.02						<0.02	mg/l	TM38/PM0
MRP Ortho Phosphate as P	<0.03	<0.03	<0.03	<0.03						<0.03	mg/l	TM38/PM0
Total Oxidised Nitrogen as N [#]	<0.2	<0.2	0.7	0.7						<0.2	mg/l	TM38/PM0
Total Cyanide [#]	<0.01	<0.01	<0.01	<0.01						<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as N [#]	0.07	<0.03	<0.03	0.03						<0.03	mg/l	TM38/PM0
BOD (Settled) [#]	2 ⁺	12 ⁺	<1 ⁺	<1 ⁺						<1	mg/l	TM58/PM0

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Client Name: RPS
Reference: MDR1223
Location:
Contact: Blathnaid Mcpolin
JE Job No.: 18/6422

SVOC Report : Liquid

J E Sample No.	1-9	10-18	19-27	28-36															
Sample ID	S1	S2	S3	S4															
Depth																			
COC No / misc																			
Containers	V H H N Z P B O D G	V H H N Z P B O D G	V H H N Z P B O D G	V H H N Z P B O D G															
Sample Date	26/04/2018	26/04/2018	26/04/2018	26/04/2018															
Sample Type	Surface Water	Surface Water	Surface Water	Surface Water															
Batch Number	1	1	1	1															
Date of Receipt	27/04/2018	27/04/2018	27/04/2018	27/04/2018															
SVOC MS											LOD/LOR	Units	Method No.						
Phenols																			
2-Chlorophenol #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
2-Methylphenol #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
2,4-Dichlorophenol #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
2,4-Dimethylphenol	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
2,4,5-Trichlorophenol #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
2,4,6-Trichlorophenol	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
4-Chloro-3-methylphenol #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
4-Methylphenol	<1	53	<1	<1							<1	ug/l	TM16/PM30						
4-Nitrophenol	<10	<10	<10	<10							<10	ug/l	TM16/PM30						
Pentachlorophenol	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Phenol	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
PAHs																			
2-Chloronaphthalene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
2-Methylnaphthalene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Phthalates																			
Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5							<5	ug/l	TM16/PM30						
Butylbenzyl phthalate	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Di-n-butyl phthalate #	<1.5	<1.5	<1.5	<1.5							<1.5	ug/l	TM16/PM30						
Di-n-Octyl phthalate	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Diethyl phthalate #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Dimethyl phthalate	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Other SVOCs																			
1,2-Dichlorobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
1,2,4-Trichlorobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
1,3-Dichlorobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
1,4-Dichlorobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
2-Nitroaniline	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
2,4-Dinitrotoluene #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
2,6-Dinitrotoluene	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
3-Nitroaniline	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
4-Bromophenylphenylether #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
4-Chloroaniline	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
4-Chlorophenylphenylether #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
4-Nitroaniline	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
Azobenzene #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
Bis(2-chloroethoxy)methane #	<0.5 ⁺	<0.5 ⁺	<0.5 ⁺	<0.5 ⁺							<0.5	ug/l	TM16/PM30						
Bis(2-chloroethyl)ether #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Carbazole #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
Dibenzofuran #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
Hexachlorobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Hexachlorobutadiene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Hexachlorocyclopentadiene	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Hexachloroethane #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Isophorone #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
N-nitrosodi-n-propylamine #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30						
Nitrobenzene #	<1	<1	<1	<1							<1	ug/l	TM16/PM30						
Surrogate Recovery 2-Fluorobiphenyl	106	99	100	105							<0	%	TM16/PM30						
Surrogate Recovery p-Terphenyl-d14	124	118	118	113							<0	%	TM16/PM30						

Please see attached notes for all abbreviations and acronyms

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Client Name: RPS
Reference: MDR1223
Location:
Contact: Blathnaid Mcpolin
JE Job No.: 18/6422

VOC Report : Liquid

J E Sample No.	1-9	10-18	19-27	28-36									
Sample ID	S1	S2	S3	S4									
Depth													
COC No / misc													
Containers	V H H N Z P B O D G	V H H N Z P B O D G	V H H N Z P B O D G	V H H N Z P B O D G									
Sample Date	26/04/2018	26/04/2018	26/04/2018	26/04/2018									
Sample Type	Surface Water	Surface Water	Surface Water	Surface Water									
Batch Number	1	1	1	1									
Date of Receipt	27/04/2018	27/04/2018	27/04/2018	27/04/2018									
											LOD/LOR	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1							<0.1	ug/l	TM15/PM10
Chloromethane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Vinyl Chloride #	<0.1	<0.1	<0.1	<0.1							<0.1	ug/l	TM15/PM10
Bromomethane	<1	<1	<1	<1							<1	ug/l	TM15/PM10
Chloroethane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Trichlorofluoromethane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Dichloromethane (DCM) #	<5	<5	<5	<5							<5	ug/l	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
2,2-Dichloropropane	<1	<1	<1	<1							<1	ug/l	TM15/PM10
Bromochloromethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Chloroform #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,1,1-Trichloroethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Carbon tetrachloride #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,2-Dichloroethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Benzene #	<0.5	<0.5	<0.5	<0.5							<0.5	ug/l	TM15/PM10
Trichloroethene (TCE) #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,2-Dichloropropane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Dibromomethane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Bromodichloromethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
cis-1-3-Dichloropropene	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Toluene #	<5	<5	<5	<5							<5	ug/l	TM15/PM10
trans-1-3-Dichloropropene	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,1,2-Trichloroethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,3-Dichloropropane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Dibromochloromethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,2-Dibromoethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Chlorobenzene #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Ethylbenzene #	<1	<1	<1	<1							<1	ug/l	TM15/PM10
p/m-Xylene #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
o-Xylene #	<1	<1	<1	<1							<1	ug/l	TM15/PM10
Styrene	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Bromoform #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4	<4	<4							<4	ug/l	TM15/PM10
Bromobenzene #	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,2,3-Trichloropropane #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Propylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
2-Chlorotoluene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
4-Chlorotoluene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
tert-Butylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,2,4-Trimethylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
sec-Butylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
4-Isopropyltoluene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,3-Dichlorobenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,4-Dichlorobenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
n-Butylbenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,2-Dichlorobenzene #	<3	<3	<3	<3							<3	ug/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,2,4-Trichlorobenzene	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Hexachlorobutadiene	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Naphthalene	<2	<2	<2	<2							<2	ug/l	TM15/PM10
1,2,3-Trichlorobenzene	<3	<3	<3	<3							<3	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	101	102	104	103							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	104	104	106	104							<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

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NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 18/6422

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 overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

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

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

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

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

DEVIATING SAMPLES

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.

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

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	x5 Dilution

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JE Job No: 18/6422

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	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.				
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			
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	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.				
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.	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	PM0	No preparation is required.				
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	PM0	No preparation is required.	Yes			

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Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM58	Modified USEPA methods 405.1 and BS 5667-3. Measurement of Biochemical Oxygen Demand. When cBOD (Carbonaceous BOD) is requested a nitrification inhibitor is added which prevents the oxidation of reduced forms of nitrogen, such as ammonia, nitrite and organic nitrogen which exert a nitrogenous demand.	PM0	No preparation is required.	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.	PM0	No preparation is required.	Yes			
TM149	Determination of Pesticides by Large Volume Injection on GC Triple Quad MS, based upon USEPA method 8270	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 340.2	PM0	No preparation is required.				

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