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DETS Report No: 18-76815

Site Reference: East Farleigh
Project / Job Ref: 447689
Order No: C-004093/G2
Sample Receipt Date: 15/06/2018
Sample Scheduled Date: 15/06/2018
Report Issue Number: 1
Reporting Date: 22/06/2018

Authorised by:

Russell Jarvis
Associate Director of Client Services

Authorised by:

Dave Ashworth
Deputy Quality Manager

Soil Analysis Certificate						
DETS Report No: 18-76815	Date Sampled	13/06/18	13/06/18	13/06/18		
CET UK Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: East Farleigh	TP / BH No	TP01	TP02	TP03		
Project / Job Ref: 447689	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: C-004093/G2	Depth (m)	0.50	0.20	1.00		
Reporting Date: 22/06/2018	QTSE Sample No	340336	340337	340338		

Determinand	Unit	RL	Accreditation			
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.5	7.1	7.4
Free Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	3.1	3.1	0.4
Arsenic (As)	mg/kg	< 2	MCERTS	24	20	11
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.8	0.3	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	28	28	27
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	71	38	19
Lead (Pb)	mg/kg	< 3	MCERTS	281	82	14
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	34	30	29
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	725	121	53
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
 Subcontracted analysis (S)



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Soil Analysis Certificate - Speciated PAHs					
DETS Report No: 18-76815	Date Sampled	13/06/18	13/06/18	13/06/18	
CET UK Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	
Site Reference: East Farleigh	TP / BH No	TP01	TP02	TP03	
Project / Job Ref: 447689	Additional Refs	None Supplied	None Supplied	None Supplied	
Order No: C-004093/G2	Depth (m)	0.50	0.20	1.00	
Reporting Date: 22/06/2018	QTSE Sample No	340336	340337	340338	

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.33	< 0.1	
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.29	< 0.1	
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.12	< 0.1	
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.17	< 0.1	
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.19	< 0.1	
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.11	< 0.1	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	
Coronene	mg/kg	< 0.1	NONE	< 0.1	< 0.1	< 0.1	
Total Oily Waste PAHs	mg/kg	< 1	MCERTS	< 1	< 1	< 1	
Total Dutch 10 PAHs	mg/kg	< 1	MCERTS	< 1	< 1	< 1	
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	
Total WAC-17 PAHs	mg/kg	< 1.7	NONE	< 1.7	< 1.7	< 1.7	

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Soil Analysis Certificate - TPH CWG Banded						
DETS Report No: 18-76815	Date Sampled	13/06/18	13/06/18	13/06/18		
CET UK Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: East Farleigh	TP / BH No	TP01	TP02	TP03		
Project / Job Ref: 447689	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: C-004093/G2	Depth (m)	0.50	0.20	1.00		
Reporting Date: 22/06/2018	QTSE Sample No	340336	340337	340338		

Determinand	Unit	RL	Accreditation				
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	< 10	
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21	< 21	
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42	< 42	

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 18-76815	Date Sampled	13/06/18	13/06/18	13/06/18		
CET UK Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: East Farleigh	TP / BH No	TP01	TP02	TP03		
Project / Job Ref: 447689	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: C-004093/G2	Depth (m)	0.50	0.20	1.00		
Reporting Date: 22/06/2018	QTSE Sample No	340336	340337	340338		

Determinand	Unit	RL	Accreditation				
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	

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Soil Analysis Certificate - PCB (7 Congeners)						
DETS Report No: 18-76815	Date Sampled	13/06/18	13/06/18	13/06/18		
CET UK Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: East Farleigh	TP / BH No	TP01	TP02	TP03		
Project / Job Ref: 447689	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: C-004093/G2	Depth (m)	0.50	0.20	1.00		
Reporting Date: 22/06/2018	QTSE Sample No	340336	340337	340338		

Determinand	Unit	RL	Accreditation				
PCB Congener 28	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 52	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 101	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 118	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 138	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 153	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
PCB Congener 180	mg/kg	0.008	NONE	< 0.008	< 0.008	< 0.008	
Total PCB (7 Congeners)	mg/kg	< 0.1	NONE	< 0.1	< 0.1	< 0.1	

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/2										
DETS Report No: 18-76815		Date Sampled		13/06/18		Landfill Waste Acceptance Criteria Limits				
CET UK Ltd		Time Sampled		None Supplied						
Site Reference: East Farleigh		TP / BH No		TP01						
Project / Job Ref: 447689		Additional Refs		None Supplied						
Order No: C-004093/G2		Depth (m)		0.50						
Reporting Date: 22/06/2018		QTSE Sample No		340336						
Determinand		Unit		MDL						Inert Waste Landfill
TOC ^{MU}		%		< 0.1		3%	5%	6%		
Loss on Ignition		%		< 0.01		--	--	10%		
BTEX ^{MU}		mg/kg		< 0.05		6	--	--		
Sum of PCBs		mg/kg		< 0.1		1	--	--		
Mineral Oil ^{MU}		mg/kg		< 10		500	--	--		
Total PAH ^{MU}		mg/kg		< 1.7		100	--	--		
pH ^{MU}		pH Units		N/a		--	>6	--		
Acid Neutralisation Capacity		mol/kg (+/-)		< 1		--	To be evaluated	To be evaluated		
Eluate Analysis				10:1 mg/l		Cumulative 10:1 mg/kg		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
Arsenic ^U				0.02		0.2		0.5	2	25
Barium ^U				0.04		0.4		20	100	300
Cadmium ^U				< 0.0005		< 0.005		0.04	1	5
Chromium ^U				< 0.005		< 0.05		0.5	10	70
Copper ^U				0.01		0.1		2	50	100
Mercury ^U				0.0006		< 0.01		0.01	0.2	2
Molybdenum ^U				0.003		0.03		0.5	10	30
Nickel ^U				< 0.007		< 0.07		0.4	10	40
Lead ^U				< 0.005		< 0.05		0.5	10	50
Antimony ^U				< 0.005		< 0.05		0.06	0.7	5
Selenium ^U				< 0.005		< 0.05		0.1	0.5	7
Zinc ^U				0.049		0.49		4	50	200
Chloride ^U				2		15		800	15000	25000
Fluoride ^U				< 0.5		< 5		10	150	500
Sulphate ^U				3		25		1000	20000	50000
TDS				82		820		4000	60000	100000
Phenol Index				< 0.01		< 0.1		1	-	-
DOC				7.6		76.1		500	800	1000
Leach Test Information										
Sample Mass (kg)				0.10						
Dry Matter (%)				92.3						
Moisture (%)				8.4						
Stage 1										
Volume Eluate L10 (litres)				0.89						
Results are expressed on a dry weight basis, after correction for moisture content where applicable										
Stated limits are for guidance only and QTS Environmental cannot be held responsible for any discrepancies with current legislation										
M Denotes MCERTS accredited test										
U Denotes ISO17025 accredited test										



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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/2												
DETS Report No: 18-76815		Date Sampled		13/06/18		Landfill Waste Acceptance Criteria Limits						
CET UK Ltd		Time Sampled		None Supplied						Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Site Reference: East Farleigh		TP / BH No		TP02								
Project / Job Ref: 447689		Additional Refs		None Supplied								
Order No: C-004093/G2		Depth (m)		0.20								
Reporting Date: 22/06/2018		QTSE Sample No		340337								
Determinand		Unit		MDL								
TOC ^{MU}		%		< 0.1 3.1		3%	5%	6%				
Loss on Ignition		%		< 0.01 6.70		--	--	10%				
BTEX ^{MU}		mg/kg		< 0.05 < 0.05		6	--	--				
Sum of PCBs		mg/kg		< 0.1 < 0.1		1	--	--				
Mineral Oil ^{MU}		mg/kg		< 10 < 10		500	--	--				
Total PAH ^{MU}		mg/kg		< 1.7 < 1.7		100	--	--				
pH ^{MU}		pH Units		N/a 7.1		--	>6	--				
Acid Neutralisation Capacity		mol/kg (+/-)		< 1 < 1		--	To be evaluated	To be evaluated				
Eluate Analysis				10:1 mg/l		Cumulative 10:1 mg/kg		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)				
Arsenic ^U				< 0.01		< 0.1		0.5	2	25		
Barium ^U				< 0.02		< 0.2		20	100	300		
Cadmium ^U				< 0.0005		< 0.005		0.04	1	5		
Chromium ^U				< 0.005		< 0.05		0.5	10	70		
Copper ^U				< 0.01		< 0.1		2	50	100		
Mercury ^U				< 0.0005		< 0.01		0.01	0.2	2		
Molybdenum ^U				0.002		0.02		0.5	10	30		
Nickel ^U				< 0.007		< 0.07		0.4	10	40		
Lead ^U				< 0.005		< 0.05		0.5	10	50		
Antimony ^U				< 0.005		< 0.05		0.06	0.7	5		
Selenium ^U				< 0.005		< 0.05		0.1	0.5	7		
Zinc ^U				< 0.005		< 0.05		4	50	200		
Chloride ^U				1		13		800	15000	25000		
Fluoride ^U				< 0.5		< 5		10	150	500		
Sulphate ^U				1		12		1000	20000	50000		
TDS				60		600		4000	60000	100000		
Phenol Index				< 0.01		< 0.1		1	-	-		
DOC				6.5		64.6		500	800	1000		
Leach Test Information												
Sample Mass (kg)				0.10								
Dry Matter (%)				90.2								
Moisture (%)				11								
Stage 1												
Volume Eluate L10 (litres)				0.89								
Results are expressed on a dry weight basis, after correction for moisture content where applicable												
Stated limits are for guidance only and QTS Environmental cannot be held responsible for any discrepancies with current legislation												
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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/2											
DETS Report No: 18-76815		Date Sampled		13/06/18		Landfill Waste Acceptance Criteria Limits					
CET UK Ltd		Time Sampled		None Supplied							
Site Reference: East Farleigh		TP / BH No		TP03							
Project / Job Ref: 447689		Additional Refs		None Supplied							
Order No: C-004093/G2		Depth (m)		1.00							
Reporting Date: 22/06/2018		QTSE Sample No		340338							
Determinand		Unit		MDL						Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill
TOC ^{MU}		%		< 0.1 0.4		3%	5%	6%			
Loss on Ignition		%		< 0.01 1.70		--	--	10%			
BTEX ^{MU}		mg/kg		< 0.05 < 0.05		6	--	--			
Sum of PCBs		mg/kg		< 0.1 < 0.1		1	--	--			
Mineral Oil ^{MU}		mg/kg		< 10 < 10		500	--	--			
Total PAH ^{MU}		mg/kg		< 1.7 < 1.7		100	--	--			
pH ^{MU}		pH Units		N/a 7.4		--	>6	--			
Acid Neutralisation Capacity		mol/kg (+/-)		< 1 < 1		--	To be evaluated	To be evaluated			
Eluate Analysis				10:1 mg/l		Cumulative 10:1 mg/kg		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)			
Arsenic ^U				< 0.01		< 0.1		0.5	2	25	
Barium ^U				< 0.02		< 0.2		20	100	300	
Cadmium ^U				< 0.0005		< 0.005		0.04	1	5	
Chromium ^U				< 0.005		< 0.05		0.5	10	70	
Copper ^U				< 0.01		< 0.1		2	50	100	
Mercury ^U				< 0.0005		< 0.01		0.01	0.2	2	
Molybdenum ^U				0.002		0.02		0.5	10	30	
Nickel ^U				< 0.007		< 0.07		0.4	10	40	
Lead ^U				< 0.005		< 0.05		0.5	10	50	
Antimony ^U				< 0.005		< 0.05		0.06	0.7	5	
Selenium ^U				< 0.005		< 0.05		0.1	0.5	7	
Zinc ^U				< 0.005		< 0.05		4	50	200	
Chloride ^U				1		13		800	15000	25000	
Fluoride ^U				< 0.5		< 5		10	150	500	
Sulphate ^U				< 1		< 10		1000	20000	50000	
TDS				30		300		4000	60000	100000	
Phenol Index				< 0.01		< 0.1		1	-	-	
DOC				3.2		32.4		500	800	1000	
Leach Test Information											
Sample Mass (kg)				0.10							
Dry Matter (%)				89.1							
Moisture (%)				12.2							
Stage 1											
Volume Eluate L10 (litres)				0.89							
Results are expressed on a dry weight basis, after correction for moisture content where applicable											
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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 18-76815	
CET UK Ltd	
Site Reference: East Farleigh	
Project / Job Ref: 447689	
Order No: C-004093/G2	
Reporting Date: 22/06/2018	

QTSE Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
340336	TP01	None Supplied	0.50	7.7	Brown sandy clay
340337	TP02	None Supplied	0.20	9.8	Brown sandy clay
340338	TP03	None Supplied	1.00	10.9	Light brown sandy clay

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

& samples received in inappropriate containers for hydrocarbon analysis

Soil Analysis Certificate - Methodology & Miscellaneous Information	
DETS Report No: 18-76815	
CET UK Ltd	
Site Reference: East Farleigh	
Project / Job Ref: 447689	
Order No: C-004093/G2	
Reporting Date: 22/06/2018	

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received