

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

Further method details are available on request.

MCERTS (soils) applies to sand, clay and loam/topsoil matrices or combinations of these.

Key: M = MCERTS accredited

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*days for extraction; 40 days after extraction for analysis.

SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Metals									
Aluminium (total)	CE264	Aqua regia digest, ICP-OES			390	mg/kg	Plastic,Glass		180 days
Antimony (total)	CE264	Aqua regia digest, ICP-OES			5	mg/kg	Plastic,Glass		180 days
Arsenic (total)	CE264	Aqua regia digest, ICP-OES	M		3	mg/kg	Plastic,Glass		180 days
Barium (total)	CE264	Aqua regia digest, ICP-OES	U		4	mg/kg	Plastic,Glass		180 days
Beryllium (total)	CE264	Aqua regia digest, ICP-OES	M		0.2	mg/kg	Plastic,Glass		180 days
Boron (total)	CE264	Aqua regia digest, ICP-OES			2	mg/kg	Plastic,Glass		180 days
Boron (water soluble)	CE063	Hot water extract, ICP-OES	U		0.5	mg/kg	Plastic,Glass		30 days
Cadmium (total)	CE264	Aqua regia digest, ICP-OES	M		2	mg/kg	Plastic,Glass		180 days
Calcium (total)	CE264	Aqua regia digest, ICP-OES	M		930	mg/kg	Plastic,Glass		180 days
Chromium (total)	CE264	Aqua regia digest, ICP-OES	U		2	mg/kg	Plastic,Glass		180 days
Chromium (hexavalent)	CE146	Acid extraction, Colorimetry			1	mg/kg	Plastic,Glass		30 days
Chromium (hexavalent)	CE263	Discrete Analyser				mg/kg	Plastic,Glass		30 days
Chromium (III)	CE208	Calculation: Cr (total) - Cr (VI)			1	mg/kg	-		-
Cobalt (total)	CE264	Aqua regia digest, ICP-OES	M		2	mg/kg	Plastic,Glass		180 days
Copper (total)	CE264	Aqua regia digest, ICP-OES	M		2	mg/kg	Plastic,Glass		180 days
Iron (total)	CE264	Aqua regia digest, ICP-OES	M		1280	mg/kg	Plastic,Glass		180 days
Lead (total)	CE264	Aqua regia digest, ICP-OES	U		3	mg/kg	Plastic,Glass		180 days
Lithium (total)	CE265	Aqua regia digest, ICP-OES	U		7	mg/kg	Plastic,Glass		180 days
Magnesium (total)	CE266	Aqua regia digest, ICP-OES	U		550	mg/kg	Plastic,Glass		180 days
Manganese (total)	CE267	Aqua regia digest, ICP-OES	U		20	mg/kg	Plastic,Glass		180 days
Mercury (total)	CE268	Aqua regia digest, ICP-OES	U		2	mg/kg	Plastic,Glass		180 days
Molybdenum (total)	CE269	Aqua regia digest, ICP-OES	U		2	mg/kg	Plastic,Glass		180 days
Nickel (total)	CE270	Aqua regia digest, ICP-OES	M		3	mg/kg	Plastic,Glass		180 days
Phosphorus (total)	CE271	Aqua regia digest, ICP-OES			80	mg/kg	Plastic,Glass		180 days
Potassium (total)	CE272	Aqua regia digest, ICP-OES	U		60	mg/kg	Plastic,Glass		180 days
Selenium (total)	CE273	Aqua regia digest, ICP-OES	U		3	mg/kg	Plastic,Glass		180 days
Sodium (total)	CE274	Aqua regia digest, ICP-OES	U		16	mg/kg	Plastic,Glass		180 days
Strontium (total)	CE275	Aqua regia digest, ICP-OES			5	mg/kg	Plastic,Glass		180 days
Sulphur (total)	CE276	Aqua regia digest, ICP-OES			32	mg/kg	Plastic,Glass		180 days
Thallium (total)	CE277	Aqua regia digest, ICP-OES			6	mg/kg	Plastic,Glass		180 days
Tin (total)	CE278	Aqua regia digest, ICP-OES	U		2	mg/kg	Plastic,Glass		180 days
Tungsten (total)	CE279	Aqua regia digest, ICP-OES			20	mg/kg	Plastic,Glass		180 days
Vanadium (total)	CE264	Aqua regia digest, ICP-OES	U		4	mg/kg	Plastic,Glass		180 days
Zinc (total)	CE264	Aqua regia digest, ICP-OES	M		4	mg/kg	Plastic,Glass		180 days
Magnesium (extractable)	CE088	Ammonium Nitrate, ICP-MS			1	mg/kg	Plastic,Glass		28 days
Phosphorus (extractable)	CE089	Sodium bicarbonate extraction, ICP-MS			1	mg/kg	Plastic,Glass		28 days
Potassium (extractable)	CE088	Ammonium Nitrate, ICP-MS			1	mg/kg	Plastic,Glass		28 days

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Inorganics									
pH	CE004	Based on BS 1377, pH Meter	M		-	units	Plastic,Glass		21 days
Electrical conductivity	CE007	Conductivity Meter	U		10	µS/cm	Plastic,Glass		28 days
Magnesium (2:1 water soluble)	CE061	Aqueous extraction, ICP-OES			1	mg/l	Plastic,Glass		28 days
Chloride (2:1 water soluble)	CE193	Aqueous extraction, IC-COND	U		1	mg/l	Plastic,Glass		28 days
Fluoride (2:1 water soluble)	CE193	Aqueous extraction, IC-COND			0.1	mg/l	Plastic,Glass		28 days
Nitrate (2:1 water soluble)	CE193	Aqueous extraction, IC-COND	U		1	mg/l	Plastic,Glass		28 days
Nitrite (2:1 water soluble)	CE193	Aqueous extraction, IC-COND			1	mg/l	Plastic,Glass		28 days
Phosphate (2:1 water soluble)	CE193	Aqueous extraction, IC-COND			1	mg/l	Plastic,Glass		28 days
Sulphate (2:1 water soluble)	CE193	Aqueous extraction, IC-COND	U		10	mg/l	Plastic,Glass		28 days
Sulphate (2:1 water soluble)	CE061	Aqueous extraction, ICP-OES	M		10	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as N	CE262	Discrete Analyser	u		0.11	mg/kg	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH3	CE262	Discrete Analyser	u		0.13	mg/kg	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH4	CE262	Discrete Analyser	u		0.14	mg/kg	Plastic,Glass		28 days
Chloride	CE261	Discrete Analyser	u		3	mg/kg	Plastic,Glass		28 days
Sulphate	CE261	Discrete Analyser	u		4	mg/kg	Plastic,Glass		28 days
TON	CE261	Discrete Analyser	u		2	mg/kg	Plastic,Glass		28 days
Nitrite-N	CE261	Discrete Analyser	u		0.01	mg/kg	Plastic,Glass		28 days
Nitrate-N	CE261	Discrete Analyser	u		2	mg/kg	Plastic,Glass		28 days
Nitrite-NO2	CE261	Discrete Analyser	u		0.02	mg/kg	Plastic,Glass		28 days
Nitrate-NO3	CE261	Discrete Analyser	u		7	mg/kg	Plastic,Glass		28 days
Sulphate (Acid Extractable)	CE062	HCl Digestion, ICP-OES	M		100	mg/kg	Plastic,Glass		28 days
Sulphur (free)	CE034	Solvent extraction, HPLC	M		10	mg/kg	Plastic,Glass		28 days
Sulphur (total)	CE119	Aqua Regia digestion, ICP-OES			100	mg/kg	Plastic,Glass		28 days
Sulphide	CE016	Acid distillation, Titration			10	mg/kg	Plastic,Glass		7 days
Cyanide (free)	CE077	Extraction, Continuous Flow Colorimetry			1	mg/kg	Plastic,Glass		7 days
Cyanide (complex)	CE077	Calculation: CN (total) - CN (free)			1	mg/kg	Plastic,Glass		7 days
Cyanide (total)	CE077	Extraction, Continuous Flow Colorimetry			1	mg/kg	Plastic,Glass		7 days
Thiocyanate	CE145	Weak acid extraction, Colorimetry	M		1	mg/kg	Plastic,Glass		7 days
Phenols (total)	CE078	Extraction, Continuous Flow Colorimetry			0.5	mg/kg	Plastic,Glass		28 days
Total Carbon	CE197	Combustion, Carbon Analyser			0.1	% w/w	Plastic,Glass		28 days
Total Organic Carbon	CE197	Combustion, Carbon Analyser			0.1	% w/w	Plastic,Glass		28 days
Estimate of OMC (calculated from TOC)	CE197	OMC calculated from TOC			0.1	% w/w	Plastic,Glass		28 days
Estimate of FOC (calculated from TOC)	CE197	FOC calculated from TOC			0.001	-	Plastic,Glass		28 days
Inorganic Carbon (by difference)	CE197	Combustion, Carbon Analyser			0.1	% w/w	Plastic,Glass		28 days
Carbonate (by difference)	CE197	Carbon Analyser, calculation TC-TOC			0.1	% w/w	Plastic,Glass		28 days
Loss On Ignition at 440°C	CE006	Based on BS 1377, Gravimetry	U		0.1	% w/w	Plastic,Glass		28 days
Loss On Ignition between 180°C & 440°C	CE150	HMRC LFT1 : Combustion, Gravimetry			0.1	% w/w	Plastic,Glass		28 days
Nitrogen (total)	CE198	Combustion, Nitrogen Analyser			0.1	% w/w	Plastic,Glass		28 days
Carbon:Nitrogen ratio	CE222	Calculation: TOC/Nitrogen (total)			0.1	-	Plastic,Glass		28 days
Acid Neutralising Capacity	CE083	Aqueous extraction, Titration			0.02	mol/kg	Plastic,Glass		28 days

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			Soil	Solid					
PAHs									
Naphthalene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Acenaphthylene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Acenaphthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Fluorene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Phenanthrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Anthracene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Fluoranthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Pyrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(a)anthracene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Chrysene	CE087	Solvent extraction, GC-MS	M		0.03	mg/kg	Glass		*14 days
Benzo(b)fluoranthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(k)fluoranthene	CE087	Solvent extraction, GC-MS	M		0.03	mg/kg	Glass		*14 days
Benzo(a)pyrene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Indeno(123cd)pyrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Dibenz(ah)anthracene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(ghi)perylene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
PAH (total of USEPA 16)	CE087	Solvent extraction, GC-MS			0.34	mg/kg	Glass		*14 days
Coronene	CE087	Solvent extraction, GC-MS			0.02	mg/kg	Glass		*14 days
PAH (total of 17)	CE087	Solvent extraction, GC-MS			0.36	mg/kg	Glass		*14 days
BTEX & MTBE									
MTBE	CE192	Headspace GC-FID	U		0.02	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Benzene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Toluene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Ethylbenzene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
m & p-Xylene	CE192	Headspace GC-FID	U		0.02	mg/kg	VOC jar	Fill to brim, no headspace	14 days
o-Xylene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
BTEX (total)	CE192	Headspace GC-FID			0.06	mg/kg	VOC jar	Fill to brim, no headspace	14 days

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			Soil	Solid					
TPH Banded									
VPH (>C5-C10)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH (>C5-C7)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH (>C7-C8)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH (>C8-C10)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
EPH (>C10-C35)	CE033	Solvent extraction, GC-FID			15	mg/kg	Glass		*14 days
EPH (>C10-C40)	CE033	Solvent extraction, GC-FID	M		19	mg/kg	Glass		*14 days
EPH (>C10-C44)	CE033	Solvent extraction, GC-FID	M		19	mg/kg	Glass		*14 days
EPH (>C10-C16)	CE033	Solvent extraction, GC-FID			10	mg/kg	Glass		*14 days
EPH (>C16-C40)	CE033	Solvent extraction, GC-FID			10	mg/kg	Glass		*14 days
EPH (>C10-C20)	CE033	Solvent extraction, GC-FID	M		12	mg/kg	Glass		*14 days
EPH (>C20-C40)	CE033	Solvent extraction, GC-FID	M		16	mg/kg	Glass		*14 days
EPH (>C10-C21)	CE033	Solvent extraction, GC-FID	M		12	mg/kg	Glass		*14 days
EPH (>C21-C40)	CE033	Solvent extraction, GC-FID	M		17	mg/kg	Glass		*14 days
EPH (>C10-C25)	CE033	Solvent extraction, GC-FID	M		12	mg/kg	Glass		*14 days
EPH (>C25-C40)	CE033	Solvent extraction, GC-FID	M		16	mg/kg	Glass		*14 days
EPH (>C10-C28)	CE033	Solvent extraction, GC-FID	M		14	mg/kg	Glass		*14 days
EPH (>C28-C40)	CE033	Solvent extraction, GC-FID	M		12	mg/kg	Glass		*14 days
EPH (>C10-C12)	CE033	Solvent extraction, GC-FID	U		6	mg/kg	Glass		*14 days
EPH (>C12-C16)	CE033	Solvent extraction, GC-FID	M		6	mg/kg	Glass		*14 days
EPH (>C16-C21)	CE033	Solvent extraction, GC-FID	M		6	mg/kg	Glass		*14 days
EPH (>C16-C35)	CE033	Solvent extraction, GC-FID	M		15	mg/kg	Glass		*14 days
EPH (>C21-C35)	CE033	Solvent extraction, GC-FID	M		15	mg/kg	Glass		*14 days
EPH (>C35-C40)	CE033	Solvent extraction, GC-FID	U		10	mg/kg	Glass		*14 days
EPH (>C35-C44)	CE033	Solvent extraction, GC-FID	U		10	mg/kg	Glass		*14 days

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
TPH Aliphatic/Aromatic									
VPH Aliphatic (>C5-C6)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH Aliphatic (>C6-C8)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH Aliphatic (>C8-C10)	CE067	Headspace GC-FID			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC5-EC7)	CE067	Headspace GC-FID			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC7-EC8)	CE067	Headspace GC-FID			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC8-EC10)	CE067	Headspace GC-FID			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
EPH Aliphatic (>C10-C12)	CE250	Solvent extraction, GCxGC-FID			5	mg/kg	Glass		*14 days
EPH Aliphatic (>C12-C16)	CE250	Solvent extraction, GCxGC-FID			5	mg/kg	Glass		*14 days
EPH Aliphatic (>C16-C21)	CE250	Solvent extraction, GCxGC-FID			6	mg/kg	Glass		*14 days
EPH Aliphatic (>C16-C35)	CE250	Solvent extraction, GCxGC-FID			15	mg/kg	Glass		*14 days
EPH Aliphatic (>C21-C35)	CE250	Solvent extraction, GCxGC-FID			14	mg/kg	Glass		*14 days
EPH Aliphatic (>C35-C44)	CE250	Solvent extraction, GCxGC-FID			3	mg/kg	Glass		*14 days
EPH Aromatic (>EC10-EC12)	CE250	Solvent extraction, GCxGC-FID			6	mg/kg	Glass		*14 days
EPH Aromatic (>EC12-EC16)	CE250	Solvent extraction, GCxGC-FID			7	mg/kg	Glass		*14 days
EPH Aromatic (>EC16-EC21)	CE250	Solvent extraction, GCxGC-FID			4	mg/kg	Glass		*14 days
EPH Aromatic (>EC21-EC35)	CE250	Solvent extraction, GCxGC-FID			8	mg/kg	Glass		*14 days
EPH Aromatic (>EC35-EC44)	CE250	Solvent extraction, GCxGC-FID			3	mg/kg	Glass		*14 days

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			Soil	Solid					
Volatile Organic Compounds									
MTBE	CE192	Headspace GC-FID	U		0.02	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Benzene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Toluene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Ethylbenzene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
m & p-Xylene	CE192	Headspace GC-FID	U		0.02	mg/kg	VOC jar	Fill to brim, no headspace	14 days
o-Xylene	CE192	Headspace GC-FID	U		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Dichlorodifluoromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Chloromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Vinyl chloride	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Bromomethane	CE174	Headspace GC-MS			0.03	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Chloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Trichlorofluoromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1-Dichloroethene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Trans-1,2-Dichloroethene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
MTBE	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1-Dichloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
2,2-Dichloropropane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Cis-1,2-Dichloroethene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Bromochloromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Chloroform	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1,1-Trichloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Carbon tetrachloride	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1-Dichloro-1-propene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Benzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2-Dichloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Trichloroethene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2-Dichloropropane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Dibromomethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Bromodichloromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
cis-1,3-Dichloro-1-propene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Toluene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
trans-1,3-Dichloro-1-propene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1,2-Trichloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Volatile Organic Compounds (cont)									
Tetrachloroethene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,3-Dichloropropane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Dibromochloromethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2-Dibromoethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Chlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1,1,2-Tetrachloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Styrene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Tribromomethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Isopropylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Bromobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,1,2,2-Tetrachloroethane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Ethylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
m & p-Xylene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
o-Xylene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2,3-Trichloropropane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Propylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
2-Chlorotoluene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
4-Chlorotoluene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,3,5-Trimethylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
tert-Butylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2,4-Trimethylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
sec-Butylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,3-Dichlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
4-Isopropyltoluene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,4-Dichlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2-Dichlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Butylbenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2-Dibromo-3-chloropropane	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2,4-Trichlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
Hexachloro-1,3-butadiene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
1,2,3-Trichlorobenzene	CE174	Headspace GC-MS			0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
VOC Tentatively Identified Compounds	CE174	Headspace GC-MS			0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

Further method details are available on request.

MCERTS (soils) applies to sand, clay and loam/topsoil matrices or combinations of these.

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Semi-volatile Organic Compounds									
Naphthalene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Acenaphthylene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Acenaphthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Fluorene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Phenanthrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Anthracene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Fluoranthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Pyrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(a)anthracene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Chrysene	CE087	Solvent extraction, GC-MS	M		0.03	mg/kg	Glass		*14 days
Benzo(b)fluoranthene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(k)fluoranthene	CE087	Solvent extraction, GC-MS	M		0.03	mg/kg	Glass		*14 days
Benzo(a)pyrene	CE087	Solvent extraction, GC-MS	U		0.02	mg/kg	Glass		*14 days
Indeno(1,2,3cd)pyrene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Dibenz(ah)anthracene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
Benzo(ghi)perylene	CE087	Solvent extraction, GC-MS	M		0.02	mg/kg	Glass		*14 days
N-Nitrosodimethylamine	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Phenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Bis(2-chloroethyl)ether	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Chlorophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
1,3-Dichlorobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
1,4-Dichlorobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Methylphenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
1,2-Dichlorobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Bis(2-chloroisopropyl)ether	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
3&4-Methylphenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
N-Nitrosodi-n-propylamine	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Hexachloroethane	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Nitrobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Isophorone	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,4-Dimethylphenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Nitrophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Bis(2-chloroethoxy)methane	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Semi-volatile Organic Compounds (cont)									
2,4-Dichlorophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
1,2,4-Trichlorobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Chloroaniline	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Hexachlorobutadiene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Chloro-3-methylphenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Methylnaphthalene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
1-Methylnaphthalene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Hexachlorocyclopentadiene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,4,6-Trichlorophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,4,5-Trichlorophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Chloronaphthalene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Nitroaniline	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Dimethyl phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,6-Dinitrotoluene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
3-Nitroaniline	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,4-Dinitrophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Nitrophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2,4-Dinitrotoluene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Dibenzofuran	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Diethyl phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Chlorophenylphenyl ether	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Nitroaniline	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
2-Methyl-4,6-dinitrophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Azobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
4-Bromophenylphenyl ether	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Hexachlorobenzene	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Pentachlorophenol	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Carbazole	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Di-n-butyl phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Butylbenzyl phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Bis(2-ethylhexyl)phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
Di-n-octyl phthalate	CE189	Solvent extraction, GC-MS			0.1	mg/kg	Glass		*14 days
SVOC Tentatively Identified Compounds	CE189	Solvent extraction, GC-MS			1	mg/kg	Glass		*14 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Phenols (speciated)									
Dimethylphenols	CE189	Solvent extraction, GCMS			0.1	mg/kg	Glass		28 days
Methylphenols	CE189	Solvent extraction, GCMS			0.1	mg/kg	Glass		28 days
Naphthols	CE189	Solvent extraction, GCMS			0.1	mg/kg	Glass		28 days
Phenol	CE189	Solvent extraction, GCMS			0.1	mg/kg	Glass		28 days
Trimethylphenol	CE189	Solvent extraction, GCMS			0.1	mg/kg	Glass		28 days
PCB (ICES 7)									
PCB Congener 28	CE137	Solvent extraction, GC-MS			0.004	mg/kg	Glass		*14 days
PCB Congener 52	CE137	Solvent extraction, GC-MS			0.004	mg/kg	Glass		*14 days
PCB Congener 101	CE137	Solvent extraction, GC-MS			0.008	mg/kg	Glass		*14 days
PCB Congener 118	CE137	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 138	CE137	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 153	CE137	Solvent extraction, GC-MS			0.009	mg/kg	Glass		*14 days
PCB Congener 180	CE137	Solvent extraction, GC-MS			0.008	mg/kg	Glass		*14 days
PCB (total of ICES 7)	CE137	Solvent extraction, GC-MS			0.045	mg/kg	Glass		*14 days
PCB (WHO 12)									
PCB Congener 77	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 81	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 105	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 114	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 118	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 123	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 126	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 156	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 157	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 167	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 169	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB Congener 189	CE181	Solvent extraction, GC-MS			0.006	mg/kg	Glass		*14 days
PCB (total of WHO 12)	CE181	Solvent extraction, GC-MS			0.072	mg/kg	Glass		*14 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Organochlorine pesticides									
2,4'-DDD (O,P'-DDD)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
4,4'-DDD (P,P'-DDD)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
2,4'-DDE (O,P'-DDE)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
4,4'-DDE (P,P'-DDE)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
2,4'-DDT (O,P'-DDT)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
4,4'-DDT (P,P'-DDT)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Aldrin	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Alpha-HCH	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Beta-HCH	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Chlorothalonil	\$	GC-MS			0.2	mg/kg	Glass		*14 days
cis-Chlordane	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Delta-HCH	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Dieldrin	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Endosulphan A	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Endosulphan B	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Endosulphan sulphate	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Endrin	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Endrin ketone	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Gamma-HCH (Lindane)	\$	GC-MS			0.2	mg/kg	Glass		*14 days
HCB	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Heptachlor	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Heptachlor epoxide	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Isodrin	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Methoxychlor	\$	GC-MS			0.2	mg/kg	Glass		*14 days
trans-Chlordane	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Trifluralin	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Tecnazene	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Propyzamide	\$	GC-MS			0.2	mg/kg	Glass		*14 days
Triallate	\$	GC-MS			0.2	mg/kg	Glass		*14 days
cis-Permethrin	\$	GC-MS			0.1	mg/kg	Glass		*14 days
trans-Permethrin	\$	GC-MS			0.1	mg/kg	Glass		*14 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Organophosphate pesticides									
Azinphos methyl	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Chlorpyrifos methyl	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Diazinon	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Dichlorvos	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Dimethoate	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Fenitrothion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Malathion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Parathion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Parathion methyl	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Phorate	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Chlorfenvinphos, Alpha	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Chlorfenvinphos, Beta	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Fenthion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Mevinphos E	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Mevinphos Z	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Methacrifos	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Phosphamidon	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Etrimiphos	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Perimiphos-Methyl	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Ethion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Triazofos	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Carbophenothion	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Phosalone	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Azinphos Ethyl	\$	GC-MS			0.1	mg/kg	Glass		*14 days

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SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Acid herbicides									
2,3,6-TBA	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,4,5-TP (Fenoprop, silvex)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,4,5-T (2,3,4-trichlorophenoxyacetic Acid)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,4-DB	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,4-DP (Cichlorprop)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,4-D (2,4-Dichlorophenoxyacetic Acid)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Bentazone	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Bromoxynil	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Chloramben	\$	GC-MS			0.1	mg/kg	Glass		*14 days
2,6-Dichlorobenzoic Acid (DBA)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Dicamba	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Dinoseb (DNBP)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Fluroxypyr	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Ioxynil	\$	GC-MS			0.1	mg/kg	Glass		*14 days
MCPA	\$	GC-MS			0.1	mg/kg	Glass		*14 days
MCPB	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Mecoprop (MCP)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Pentachlorophenol (PCP)	\$	GC-MS			0.1	mg/kg	Glass		*14 days
Picloram	\$	GC-MS			0.1	mg/kg	Glass		*14 days

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Organonitrogen pesticides									
Aldicarb	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Carbendazim	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Carbofuran	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Chlorpropham	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Diuron	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Methiocarb	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Methomyl	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Oxamyl	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Propham	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Propoxur	\$	LCMS/MS			0.1	mg/kg	Glass		*14 days
Phthalates									
BenzbutylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
DiethylhexylPhthalate (DEHP)	\$	GCMS			0.1	mg/kg	Glass		*14 days
DibutylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
DidecylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
DiethylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
DiisobutylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
DiisononylPhthalates (209)	\$	GCMS			0.01	mg/kg	Glass		*14 days
DiisooctylPhthalates	\$	GCMS			0.1	mg/kg	Glass		*14 days
DimethylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
Di-n-nonylPhthalate	\$	GCMS			0.1	mg/kg	Glass		*14 days
Di-n-octylPhthalate (DNOP)	\$	GCMS			0.1	mg/kg	Glass		*14 days
Miscellaneous									
Absorbable Organic Halides (AOX)	\$	Based on BS EN ISO 9562:2004, Behr Coulometric analyser			0.1	mg/kg	Amber Glass		7 days
Aminopyralid, Clopyralid and Triclopyr	\$	LC-MS / GC-MS			0.1	mg/kg	Amber Glass		-
Anthrax	\$	FYOS67	U		-	-	Plastic		-
Benzoic Acid	\$	HPLC			0.1	mg/kg	Amber Glass		-
Biphenyl	\$	Details on request			0.1	mg/kg	Amber Glass		14 days
Calorific value	\$	Combustion, Bomb Calorimetry			100	kJ/kg	Plastic,Glass		28 days
Carbon Disulphide	\$	Details on request			5	µg/kg	Amber Glass		14 days
Cypermethrin	\$	GC-MS QQQ			0.1	µg/kg	Amber Glass		30 days
Dioxins & Furans, Dioxin like PCBs	\$	Solvent extraction, High Resolution GCMS	U		Various		Glass		7 days
Glycols	\$	Extraction, GC-MS QQQ/FID			100	mg/kg	Glass Vial		-
Glyphosate & AMPA	\$	GC-MS			10	ug/kg	Plastic		14 days
Hexabromocyclododecane (HBCDD)	\$	Solvent extraction, GC-MS			0.1	mg/kg	Plastic,Glass		30 days
Lignite (XRD)	\$	Powder diffraction			0.1	%	Plastic,Glass		-
Nitrogen (total) Dumas	\$	EPA-600/4-79-020			0.02	%	Gripeal Bag		-
Refractory Ceramic Fibres (RCF)	\$	SEM/EDXA			0.001	%	Plastic,Glass		-
2,4,6-Trinitrophenol	\$	HPLC	M		0.1	mg/kg	Amber Glass		-

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

Further method details are available on request.

MCERTS (soils) applies to sand, clay and loam/topsoil matrices or combinations of these.

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
PBB									
BB-3	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-15	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-29	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-49	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-52	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-77	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-80	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-101	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-103	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-126	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-153	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-169	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-180	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-194	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-206	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
BB-209	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE									
PBDE-17	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-28	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-47	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-66	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-71	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-85	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-99	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-100	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-128	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-138	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-153	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-154	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-175	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-183	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-203	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-206	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days
PBDE-209	\$	Solvent extraction, GC-MS			10	µg/kg	Plastic,Glass		30 days

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
PFOS & PFOA									
Perfluorooctyl sulphonate (PFOS)	\$	LC-MS			10	µg/kg	Plastic,Glass		N/A
Perfluorooctanoic acid (PFOA)	\$	LC-MS			10	µg/kg	Plastic,Glass		N/A
Polychlorinated Naphthalenes (PCNs)									
Dichloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Trichloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Tetrachloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Pentachloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Hexatachloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Heptachloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Octachloranaphthalene	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Polychlorinated naphthalenes (total)	\$	Solvent extraction, GC-MS			10	mg/kg	Plastic,Glass		30 days
Organotins									
Dibutyl tin	\$	Extraction, GC-MS			1	µg/kg	Amber Glass		29 days
Tetrabutyl tin	\$	Extraction, GC-MS			1	µg/kg	Amber Glass		29 days
Tributyl tin	\$	Extraction, GC-MS			1	µg/kg	Amber Glass		29 days
Triphenyl tin	\$	Extraction, GC-MS			1	µg/kg	Amber Glass		29 days
Asbestos									
Asbestos (qualitative)	\$	HSG 248, Microscopy	U		-	-	Double Bagged	-	-
Asbestos (quantitative)	\$	Gravimetry	U		0.001	% w/w	Double Bagged	-	-
ENA Cable Insulation Tests (Sand)									
Thermal Conductivity	\$	ASTM D5334-14	-	U	0.01	W/m-K	Bulk Bag		-
Thermal Conductivity (Cement Bound)	\$	ASTM D5334-14	-	U	0.01	W/m-K	Bulk Bag		-
Thermal Resistivity	\$	ASTM D5334-14	-	U	0.01	°C·Cm/W	Bulk Bag		-
Thermal Resistivity (Cement Bound)	\$	ASTM D5334-14	-	U	0.01	°C·Cm/W	Bulk Bag		-
Void Ratio (Cable Sand)	\$	ENA TS 97-1 Annex F	-	U	0.01	-	Bulk Bag		-
Dry Density	\$	ENA TS 97-1 Annex A	-	U	0.01	Mg/m ³	Bulk Bag		-
Determination of Cohesion	\$	ENA TS 97-1 Annex C	-	U	-	-	Bulk Bag		-

TECHNICAL DETAILS SUMMARY

SOILS & SOLIDS

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SOILS	METHOD	METHOD SUMMARY	STATUS		LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			Soil	Solid					
Geotechnical									
California Bearing Test (CBR) remoulded	\$	BS 1337 Part 4 1990	U	U	-	-	Bulk Bag		-
California Bearing Test (CBR) soaked	\$	BS 1337 Part 4 1990			-	-	Bulk Bag		-
Compaction Test (2.5kg)	\$	BS1377	U	U	-	-	Bulk Bag		-
Liquid & Plastic Limit (aka Plasticity/Atterburg)	\$	BS 1377 Part 2 1990	U	U	-	-	Plastic		-
Moisture Content	\$	BS 1377 Part 2 1990	U	U	-	-	Plastic		-
PSD (Sedimentation)	\$	BS 1377 Part 2 1990	U	U	-	-	Plastic		-
PSD (Sieve)	\$	BS 1377 Part 2 1990	U	U	-	-	Plastic		-
Particle Density	\$	EN 1097-6	U	U	-	-	Bulk Bag		-
Particle Size Distribution	\$	EN 933-1	U	U	-	-	Bulk Bag		-
Permeability in a triaxial cell	\$	BS1377	U	U	-	-	Bag		-
Resistance to Fragmentation (LA)	\$	EN 933-11	U	U			Bulk Bag		-
Undrained triaxial (single stage quick)	\$	BS1377	U	U	-	-	Bag		-
Microbiology									
Enumeration of E.coli	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of Enterococci	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of total coliforms	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of anaerobic sulphite reducing Clostridia	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of Clostridium perfringens	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of Pseudomonas aeruginosa	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Enumeration of Salmonella	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Total colony count	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Presence/absence of Salmonella	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
Presence/absence of E.coli		Details on request			10	cfu/g	Sterile Bottle		1 day
TVC @ 22°C	\$	Details on request			10	cfu/g	Sterile Bottle		1 day
TVC @ 37°C	\$	Details on request			10	cfu/g	Sterile Bottle		1 day

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

Further method details are available on request.

Key: \$ = Subcontracted

FINES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Loss On Ignition at 440°C	CE150	HMRC LFT1 : Combustion, Gravimetry		0.1	% w/w	Plastic,Glass	-	N/A

CONCRETE	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Cement content	\$	Based on BS1881-124		0.01	% w/w	Plastic,Glass	-	N/A
Chloride (total)	CE142	Based on BS1881-124		0.05	% w/w	Plastic,Glass	-	N/A
Sulphate (total)	CE164	Based on BS1881-124		0.01	% w/w	Plastic,Glass	-	N/A

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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*days for extraction; 40 days after extraction for analysis.

Holding times for prepared leachates are based on those for soil.

PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Preparation								
Leachate preparation (EA)	CE002	L:S 10:1		-	-	-	-	-
Leachate preparation (single-stage)	CE002	BS12457-1 or BS12457-2		-	-	-	-	-
Leachate preparation (two-stage)	CE002	BS12457-3		-	-	-	-	-

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Metals								
Aluminium (dissolved)	CE265	ICP-MS		4.6	µg/l Al	Plastic		180 days
Antimony (dissolved)	CE265	ICP-MS		0.8	µg/l Sb	Plastic		180 days
Arsenic (dissolved)	CE265	ICP-MS	U	0.1	µg/l As	Plastic		180 days
Barium (dissolved)	CE265	ICP-MS	U	0.9	µg/l Ba	Plastic		180 days
Beryllium (dissolved)	CE265	ICP-MS		0.07	µg/l Be	Plastic		180 days
Boron (dissolved)	CE265	ICP-MS		4	µg/l B	Plastic		180 days
Cadmium (dissolved)	CE265	ICP-MS	U	0.1	µg/l Cd	Plastic		180 days
Calcium (dissolved)	CE265	ICP-MS		1	mg/l Ca	Plastic		180 days
Chromium (dissolved)	CE265	ICP-MS	U	0.5	µg/l Cr	Plastic		180 days
Chromium (hexavalent)	CE050	Colorimetry	U	10	µg/l CrVI	Plastic		30 days
Chromium (hexavalent)	CE259	Discrete Analyser	U	1.5	ug/l	Plastic		30 days
Chromium (III)	CE207	Calculation: Cr (total) - Cr (VI)		10	µg/l CrIII	-		-
Cobalt (dissolved)	CE265	ICP-MS	U	0.5	µg/l Co	Plastic		180 days
Copper (dissolved)	CE265	ICP-MS	U	0.6	µg/l Cu	Plastic		180 days
Iron (dissolved)	CE265	ICP-MS		35	µg/l Fe	Plastic		180 days
Lead (dissolved)	CE265	ICP-MS	U	0.6	µg/l Pb	Plastic		180 days
Lithium (dissolved)	CE265	ICP-MS		0.4	µg/l Li	Plastic		180 days
Magnesium (dissolved)	CE265	ICP-MS	U	0.2	mg/l Mg	Plastic		180 days
Manganese (dissolved)	CE265	ICP-MS	U	7	µg/l Mn	Plastic		180 days
Mercury (dissolved)	CE265	ICP-MS		0.05	µg/l Hg	Plastic		180 days
Molybdenum (dissolved)	CE265	ICP-MS		0.9	µg/l Mo	Plastic		180 days
Nickel (dissolved)	CE265	ICP-MS	U	0.4	µg/l Ni	Plastic		180 days
Phosphorus (dissolved)	CE265	ICP-MS		0.009	mg/l P	Plastic		180 days
Potassium (dissolved)	CE265	ICP-MS	U	0.5	mg/l K	Plastic		180 days
Selenium (dissolved)	CE265	ICP-MS	U	1.1	µg/l Se	Plastic		180 days
Silver (dissolved)	CE265	ICP-MS		0.4	µg/l Ag	Plastic		180 days
Sodium (dissolved)	CE265	ICP-MS	U	2.1	mg/l Na	Plastic		180 days
Strontium (dissolved)	CE265	ICP-MS	U	4.6	µg/l Sr	Plastic		180 days
Sulphur (dissolved)	CE265	ICP-MS	U	0.6	µg/l S	Plastic		180 days
Thallium (dissolved)	CE265	ICP-MS	U	0.8	µg/l Tl	Plastic		180 days
Tin (dissolved)	CE265	ICP-MS		1.5	µg/l Sn	Plastic		180 days
Titanium (dissolved)	CE265	ICP-MS		1	µg/l Ti	Plastic		180 days
Vanadium (dissolved)	CE265	ICP-MS	U	1	µg/l V	Plastic		180 days
Zinc (dissolved)	CE265	ICP-MS	U	3	µg/l Zn	Plastic		180 days
Hardness (by calculation)	CE265	Calculation from Ca/Mg		1	mg/l CaCO ₃	Plastic		180 days

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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Holding times for prepared leachates are based on those for soil.

PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
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TECHNICAL DETAILS SUMMARY PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Inorganics								
pH	CE213	Based on BS 1377, pH Meter	U	0.1	units	Plastic,Glass		21 days
Electrical conductivity	CE214	Conductivity Meter	U	10	µS/cm	Plastic,Glass		28 days
Ammonia	CE012	Colorimetry	U	10	µg/l N	Plastic,Glass		28 days
Ammoniacal Nitrogen	CE012	Colorimetry	U	10	µg/l NH ₄	Plastic,Glass		28 days
Bromide	CE049	Ion Chromatography	U	0.4	mg/l Br	Plastic,Glass		28 days
Chloride	CE049	Ion Chromatography	U	0.5	mg/l Cl	Plastic,Glass		28 days
Fluoride	CE049	Ion Chromatography	U	0.1	mg/l F	Plastic,Glass		28 days
Nitrate	CE049	Ion Chromatography	U	0.3	mg/l NO ₃	Plastic,Glass		28 days
Nitrite	CE049	Ion Chromatography	U	0.2	mg/l NO ₂	Plastic,Glass		28 days
Total Oxidised Nitrogen (as N)	CE049	Sum of Nitrate and Nitrite		0.3	mg/l N	Plastic,Glass		28 days
Phosphate	CE049	Ion Chromatography	U	0.3	mg/l PO ₄	Plastic,Glass		28 days
Sulphate	CE049	Ion Chromatography	U	1.7	mg/l SO ₄	Plastic,Glass		28 days
Chloride	CE257	Discrete Analyser	U	0.4	mg/l	Plastic,Glass		28 days
Fluoride	CE257	Discrete Analyser	U	0.07	mg/l	Plastic,Glass		28 days
Sulphate	CE257	Discrete Analyser	U	0.3	mg/l	Plastic,Glass		28 days
Phosphate	CE257	Discrete Analyser	U	0.07	mg/l	Plastic,Glass		28 days
Nitrite as N	CE257	Discrete Analyser	U	0.5	mg/l	Plastic,Glass		28 days
TON	CE257	Discrete Analyser	U	0.2	mg/l	Plastic,Glass		28 days
Nitrate as N	CE257	Discrete Analyser	U	0.2	mg/l	Plastic,Glass		28 days
Nitrite as NO ₂	CE257	Discrete Analyser	U	2	mg/l	Plastic,Glass		28 days
Nitrate as NO ₃	CE257	Discrete Analyser	U	0.6	mg/l	Plastic,Glass		28 days
Salinity	CE257	Discrete Analyser		0.8	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as N	CE258	Discrete Analyser	U	0.03	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₃	CE258	Discrete Analyser	U	0.04	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₄	CE258	Discrete Analyser	U	0.04	mg/l	Plastic,Glass		28 days
Alkalinity	CE260	Discrete Analyser	U	1	mg/l CaCO ₃	Plastic,Glass		28 days
Sulphur (free)	CE034	Solvent extraction, HPLC		5	mg/l S	Plastic,Glass		28 days
Sulphur (dissolved)	CE128	ICP-MS	U	0.2	mg/l S	Plastic,Glass		28 days
Sulphide	CE249	Acid distillation, Titration		100	µg/l S ₂ -	Plastic,Glass		7 days
Cyanide (free)	CE147	Continuous Flow Colorimetry		5	µg/l CN	Plastic,Glass		7 days
Cyanide (complex)	CE147	Calculation: CN (total) - CN (free)		5	µg/l CN	Plastic,Glass		7 days
Cyanide (total)	CE147	Continuous Flow Colorimetry		5	µg/l CN	Plastic,Glass		7 days
Cyanide (free)	\$	Continuous Flow Colorimetry		5	µg/l CN	Plastic,Glass		7 days
Cyanide (total)	\$	Continuous Flow Colorimetry		5	µg/l CN	Plastic,Glass		7 days
Thiocyanate	CE014	Colorimetry		200	µg/l SCN	Plastic,Glass		7 days

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Phenols (total)	CE148	Continuous Flow Colorimetry		10	µg/l PhOH	Plastic,Glass		28 days
Alkalinity (settled)	CE035	Titrimetry	U	2	mg/l CaCO ₃	Plastic,Glass		28 days
Total dissolved solids	CE039	TDS meter		10	mg/l TDS	Plastic,Glass		28 days
Chemical Oxygen Demand (filtered)	CE037	Colorimetry	U	10	mg/l O ₂	Plastic,Glass		28 days
Dissolved Organic Carbon	CE071	Filtration, TOC analyser		5	mg/l C	Plastic,Glass		28 days
Oil & Grease	CE030	Solvent extraction, Gravimetry		10	mg/l	Glass		28 days
Chloride	CE257	Gallery Discrete Analyser		0.4	mg/l	Plastic,Glass		28 days
Fluoride	CE257	Gallery Discrete Analyser		0.07	mg/l	Plastic,Glass		28 days
Sulphate	CE257	Gallery Discrete Analyser		0.3	mg/l	Plastic,Glass		28 days
Phosphate	CE257	Gallery Discrete Analyser		0.07	mg/l	Plastic,Glass		28 days
Nitrite as N	CE257	Gallery Discrete Analyser		0.5	mg/l	Plastic,Glass		28 days
TON	CE257	Gallery Discrete Analyser		0.2	mg/l	Plastic,Glass		28 days
Nitrate as N	CE257	Gallery Discrete Analyser		0.2	mg/l	Plastic,Glass		28 days
Nitrite as NO ₂	CE257	Gallery Discrete Analyser		2	mg/l	Plastic,Glass		28 days
Nitrite as NO ₃	CE257	Gallery Discrete Analyser		0.6	mg/l	Plastic,Glass		28 days
Salinity	CE257	Gallery Discrete Analyser		0.8	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as N	CE258	Gallery Discrete Analyser		0.03	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₃	CE258	Gallery Discrete Analyser		0.04	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₄	CE258	Gallery Discrete Analyser		0.04	mg/l	Plastic,Glass		28 days
Chromium VI (dissolved)	CE259	Gallery Discrete Analyser		1.5	µg/l	Plastic,Glass		30 days
Alkalinity (as CaCO ₃)	CE260	Gallery Discrete Analyser		1	mg/l	Plastic,Glass		28 days

TECHNICAL DETAILS SUMMARY PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
PAHs								
Naphthalene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Acenaphthylene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Acenaphthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Fluorene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Phenanthrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(a)anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Chrysene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(b)fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(k)fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(a)pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Indeno(123cd)pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Dibenz(ah)anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(ghi)perylene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
PAH (total of USEPA 16)	CE051	Solvent extraction, GC-MS		1.6	µg/l	Glass		*14 days
Coronene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
PAH (total of 17)	CE051	Solvent extraction, GC-MS		1.7	µg/l	Glass		*14 days
BTEX & MTBE								
MTBE	CE057	Headspace GC-FID	U	2	µg/l	VOC jar	Fill to brim, no headspace	14 days
Benzene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
Toluene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
Ethylbenzene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
m & p-Xylene	CE057	Headspace GC-FID	U	2	µg/l	VOC jar	Fill to brim, no headspace	14 days
o-Xylene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
BTEX (total)	CE057	Headspace GC-FID		6	µg/l	VOC jar	Fill to brim, no headspace	14 days

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
TPH Banded								
VPH (>C5-C10)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH (>C5-C7)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH (>C7-C8)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH (>C8-C10)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
EPH (>C10-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C44)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C16)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C16-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C20)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C20-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C21)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C21-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C25)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C25-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C28)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C28-C40)	CE052	Solvent extraction, GC-FID		10	µg/l	Glass		*14 days
EPH (>C10-C12)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C12-C16)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C16-C21)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C16-C35)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C21-C35)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C35-C40)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days
EPH (>C35-C44)	CE052	Solvent extraction, GC-FID		1	µg/l	Glass		*14 days

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TPH Aliphatic/Aromatic								
VPH Aliphatic (>C5-C6)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH Aliphatic (>C6-C8)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH Aliphatic (>C8-C10)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC5-EC7)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC7-EC8)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
VPH Aromatic (>EC8-EC10)	CE175	Headspace GC-FID		1	µg/l	VOC jar	Fill to brim, no headspace	14 days
EPH Aliphatic (>C10-C12)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aliphatic (>C12-C16)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aliphatic (>C16-C21)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aliphatic (>C16-C35)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aliphatic (>C21-C35)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aliphatic (>C35-C44)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aromatic (>EC10-EC12)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aromatic (>EC12-EC16)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aromatic (>EC16-EC21)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aromatic (>EC21-EC35)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days
EPH Aromatic (>EC35-EC44)	CE251	Solvent extraction, GCxGC-FID		1	µg/l	Glass		*14 days

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Volatile Organic Compounds								
MTBE	CE057	Headspace GC-FID	U	2	µg/l	VOC jar	Fill to brim, no headspace	14 days
Benzene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
Toluene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
Ethylbenzene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
m & p-Xylene	CE057	Headspace GC-FID	U	2	µg/l	VOC jar	Fill to brim, no headspace	14 days
o-Xylene	CE057	Headspace GC-FID	U	1	µg/l	VOC jar	Fill to brim, no headspace	14 days
Dichlorodifluoromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Chloromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Vinyl chloride	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Bromomethane	CE066	Headspace GC-MS		3	µg/l	Vial	Fill to brim, no headspace	14 days
Chloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Trichlorofluoromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1-Dichloroethene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Trans-1,2-Dichloroethene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1-Dichloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
2,2-Dichloropropane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Cis-1,2-Dichloroethene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Bromochloromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Chloroform	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1,1-Trichloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Carbon tetrachloride	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1-Dichloro-1-propene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2-Dichloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Trichloroethene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2-Dichloropropane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Dibromomethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Bromodichloromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
cis-1,3-Dichloro-1-propene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
trans-1,3-Dichloro-1-propene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1,2-Trichloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Volatile Organic Compounds (cont)								
Tetrachloroethene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,3-Dichloropropane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Dibromochloromethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2-Dibromoethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Chlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1,1,2-Tetrachloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Styrene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Tribromomethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Isopropylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Bromobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,1,2,2-Tetrachloroethane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2,3-Trichloropropane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Propylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
2-Chlorotoluene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
4-Chlorotoluene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,3,5-Trimethylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
tert-Butylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2,4-Trimethylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
sec-Butylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,3-Dichlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
4-Isopropyltoluene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,4-Dichlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2-Dichlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Butylbenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2-Dibromo-3-chloropropane	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2,4-Trichlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
Hexachloro-1,3-butadiene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
1,2,3-Trichlorobenzene	CE066	Headspace GC-MS		1	µg/l	Vial	Fill to brim, no headspace	14 days
VOC Tentatively Identified Compounds	CE066	Headspace GC-MS		10	µg/l	Vial	Fill to brim, no headspace	14 days

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Semi-volatile Organic Compounds								
Naphthalene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Acenaphthylene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Acenaphthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Fluorene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Phenanthrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(a)anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Chrysene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(b)fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(k)fluoranthene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(a)pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Indeno(123cd)pyrene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Dibenz(ah)anthracene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
Benzo(ghi)perylene	CE051	Solvent extraction, GC-MS		0.1	µg/l	Glass		*14 days
N-Nitrosodimethylamine	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Phenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Bis(2-chloroethyl)ether	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Chlorophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
1,3-Dichlorobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
1,4-Dichlorobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Methylphenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
1,2-Dichlorobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Bis(2-chloroisopropyl)ether	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
3&4-Methylphenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
N-Nitrosodi-n-propylamine	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Hexachloroethane	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Nitrobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Isophorone	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,4-Dimethylphenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Nitrophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Bis(2-chloroethoxy)methane	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days

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Semi-volatile Organic Compounds (cont)								
2,4-Dichlorophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
1,2,4-Trichlorobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Chloroaniline	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Hexachlorobutadiene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Chloro-3-methylphenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Methylnaphthalene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
1-Methylnaphthalene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Hexachlorocyclopentadiene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,4,6-Trichlorophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,4,5-Trichlorophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Chloronaphthalene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Nitroaniline	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Dimethyl phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,6-Dinitrotoluene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
3-Nitroaniline	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,4-Dinitrophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Nitrophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2,4-Dinitrotoluene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Dibenzofuran	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Diethyl phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Chlorophenylphenyl ether	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Nitroaniline	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
2-Methyl-4,6-dinitrophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Azobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
4-Bromophenylphenyl ether	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Hexachlorobenzene	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Pentachlorophenol	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Carbazole	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Di-n-butyl phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Butylbenzyl phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Bis(2-ethylhexyl)phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
Di-n-octyl phthalate	CE065	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
SVOC Tentatively Identified Compounds	CE065	Solvent extraction, GC-MS		1	µg/l	Glass		14 days

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Phenols (speciated)								
Dimethylphenols	CE065	Solvent extraction, GCMS		0.1	µg/l	Glass		28 days
Methylphenols	CE065	Solvent extraction, GCMS		0.1	µg/l	Glass		28 days
Naphthols	CE065	Solvent extraction, GCMS		0.1	µg/l	Glass		28 days
Phenol	CE065	Solvent extraction, GCMS		0.1	µg/l	Glass		28 days
Trimethylphenol	CE065	Solvent extraction, GCMS		0.1	µg/l	Glass		28 days
PCB (ICES 7)								
PCB Congener 28	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 52	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 101	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 118	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 138	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 153	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 180	CE070	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB (total of ICES 7)	CE070	Solvent extraction, GC-MS		0.7	µg/l	Glass		14 days
PCB (WHO 12)								
PCB Congener 77	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 81	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 105	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 114	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 118	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 123	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 126	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 156	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 157	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 167	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 169	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB Congener 189	CE187	Solvent extraction, GC-MS		0.1	µg/l	Glass		14 days
PCB (total of WHO 12)	CE187	Solvent extraction, GC-MS		1.2	µg/l	Glass		14 days

TECHNICAL DETAILS SUMMARY PREPARED LEACHATES

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Organochlorine pesticides								
Alpha-HCH	§	GCMS		0.02	µg/l	Glass		7 days
Aldrin	§	GCMS		0.02	µg/l	Glass		7 days
Beta-HCH	§	GCMS		0.02	µg/l	Glass		7 days
cis-Chlordane	§	GCMS		0.02	µg/l	Glass		7 days
trans-Chlordane	§	GCMS		0.02	µg/l	Glass		7 days
Delta-HCH	§	GCMS		0.02	µg/l	Glass		7 days
Dieldrin	§	GCMS		0.02	µg/l	Glass		7 days
Endrin	§	GCMS		0.02	µg/l	Glass		7 days
Endosulphan A	§	GCMS		0.02	µg/l	Glass		7 days
Endosulphan B	§	GCMS		0.02	µg/l	Glass		7 days
Gamma-HCH (Lindane)	§	GCMS		0.02	µg/l	Glass		7 days
Hexachlorbenzene (HCB)	§	GCMS		0.02	µg/l	Glass		7 days
Heptachlor Epoxide	§	GCMS		0.02	µg/l	Glass		7 days
Heptachlor	§	GCMS		0.02	µg/l	Glass		7 days
Isodrin	§	GCMS		0.02	µg/l	Glass		7 days
Methoxychlor	§	GCMS		0.02	µg/l	Glass		7 days
o,p'-DDD (o,p'-TDE)	§	GCMS		0.02	µg/l	Glass		7 days
o,p'-DDE	§	GCMS		0.02	µg/l	Glass		7 days
o,p'-DDT	§	GCMS		0.02	µg/l	Glass		7 days
p,p'-DDD (p,p'-TDE)	§	GCMS		0.02	µg/l	Glass		7 days
p,p'-DDE	§	GCMS		0.02	µg/l	Glass		7 days
p,p'-DDT	§	GCMS		0.02	µg/l	Glass		7 days
technazine	§	GCMS		0.02	µg/l	Glass		7 days
Propyzamide	§	LCMS/MS		0.02	µg/l	Glass		7 days
Chlorothalonil	§	GCMS		0.03	µg/l	Glass		7 days
Triallate	§	GCMS		0.02	µg/l	Glass		7 days
Triadimefon	§	GCMS		0.01	µg/l	Glass		7 days
Pendimethalin	§	GCMS		0.02	µg/l	Glass		7 days
Endosulphan Sulphate	§	GCMS		0.02	µg/l	Glass		7 days
Endrin Ketone	§	GCMS		0.02	µg/l	Glass		7 days
Trifluralin	§	GCMS		0.02	µg/l	Glass		7 days

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Organophosphate pesticides								
Azinphos Methyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Chlorfenvinphos, Alpha	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Chlorfenvinphos, Bets	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Chlorpyrifos-methyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Dichlorvos	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Diazinon	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Dimethoate	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Fenthion	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Fenitrothion	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Malathion	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Mevinphos E	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Mevinphos Z	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Parathion-ethyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Parathion-methyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Phorate	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Methacrifos	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Propetamhos	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Phosphamidon	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Etrmphos	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Pirimiphos-ethyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Ethion	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Triazofos	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Carbophenothion	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Phosalone	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days
Azinphos-ethyl	\$	Solvent extraction, GC-MS		0.02	µg/l	Glass		7 days

TECHNICAL DETAILS SUMMARY

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Acid herbicides								
2,3,6-TBA	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,4-D (2,4-Dichlorophenoxyacetic Acid)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,4-DB	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,4,5-T (2,3,4-trichlorophenoxyacetic Acid)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,4,5-TP (Fenoprop, silvex)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,6-Dichlorobenzoic Acid (DBA)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Acifluorfen	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Bentazone	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Bromacil	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Bromoxynil	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Dicamba	§	LC-MS/MS		0.02	µg/l	Glass		7 days
2,4-DP (Dichlorprop)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Dinoseb (DNBP)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Fluroxypyr	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Imazapyr	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Ioxynil	§	LC-MS/MS		0.02	µg/l	Glass		7 days
MCPA	§	LC-MS/MS		0.02	µg/l	Glass		7 days
MCPB	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Mecoprop (MCP)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Pentachlorophenol (PCP)	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Picloram	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Chloramben	§	LC-MS/MS		0.02	µg/l	Glass		7 days
Dalapon	§	LC-MS/MS		0.02	µg/l	Glass		7 days

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Triazines								
Atrazine	\$	LCMS		0.02	µg/l	Glass		7 days
Prometryn	\$	LCMS		0.02	µg/l	Glass		7 days
Propazine	\$	LCMS		0.02	µg/l	Glass		7 days
Simazie	\$	LCMS		0.02	µg/l	Glass		7 days
Terbuthylazine	\$	LCMS		0.02	µg/l	Glass		7 days
Terbutryn	\$	LCMS		0.02	µg/l	Glass		7 days
Trietazine	\$	LCMS		0.02	µg/l	Glass		7 days
Organo Nitrogen Pesticides								
Aldicarb	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Carbendazim	\$	LCMS/MS		0.1	µg/l	Glass		7 days
Carbofuran	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Chlorpropham	\$	LCMS/MS		0.1	µg/l	Glass		7 days
Diuron	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Methiocarb	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Methomyl	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Oxamyl	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Propham	\$	LCMS/MS		0.1	µg/l	Glass		7 days
Propoxur	\$	LCMS/MS		0.05	µg/l	Glass		7 days
Thiobencarb	\$	GCMS		0.1	µg/l	Glass		7 days
Miscellaneous								
Glyphosate & AMPA	\$	LC-MS	U	0.2	ug/l	Glass / Amber Glass		14* refrigerated
Absorbable Organic Halides (AOX)	\$	MSSL Method 3023 based upon BS EN ISO 9562	U	20	µg/l	Amber Glass		7 days
Asbestos in Water (Quantitative)	\$	HSG 248	U	3 asbestos fibres in 150 SEM screen areas		Plastic		-
Biphenyl	\$	Details on request		0.002	mg/l	Amber Glass		-
Carbon Disulphide	\$	Details on request		5	µg/l	Glass Vial		14 days
Chlorothalonil & Dichlofluanid	\$	GC-MS		0.3	ug/l	Amber Glass		-
Cypermethrin	\$	GC-MS QQQ		0.1	µg/l	Amber Glass		*14 days
Dioxins & Furans, Dioxin like PCBs	\$	USEPA 1613 method using solvent extraction fol	U	Various		Glass		7 days
Diuron	\$	LC-MS MS		50	ng/l	Amber Glass		7 days
Irgarol	\$	LC-MS MS		0.1	ug/l	Amber Glass		-
Nonylphenol ethoxylates, 4-Nonylphenol	\$	GC-MS QQQ		0.1	µg/l	Amber Glass		7 days
Perfluoroalkyl Surfactants (PFOS)	\$	LC-MS		0.1	µg/l	Glass		*14 days
Perfluoroalkyl Surfactants (PFOA)	\$	LC-MS		0.1	µg/l	Glass		*14 days
Short chained chlorinated paraffins	\$	GC-MS QQQ		0.1	µg/l	Glass		30 days
Total Nitrogen	\$	EPA-600/4-79-020		0.1	mg/l	Plastic,Glass		-

TECHNICAL DETAILS SUMMARY

PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Volatile Fatty Acids	\$	GC-FID		10	mg/l	Glass		-
Dissolved gases								
Methane	\$	Headspace extraction, GC-FID		5	ug/l	Amber Glass		28 days
Ethane	\$	Headspace extraction, GC-FID		10	ug/l	Amber Glass		28 days
Ethene	\$	Headspace extraction, GC-FID		10	ug/l	Amber Glass		28 days

TECHNICAL DETAILS SUMMARY PREPARED LEACHATES

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PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Organotins								
Monobutyltin	§	Extraction, GC-MS		0.1	µg/l	Glass		14 days
Dibutyltin	§	Extraction, GC-MS		0.02	µg/l	Glass		14 days
Tributyltin	§	Extraction, GC-MS		0.0002	µg/l	Glass		14 days
Dibutyltin	§	Details on Request			ng Sn/l	Glass		14 days
Tetrabutyltin	§	Details on Request			ng Sn/l	Glass		14 days
Tributyltin	§	Details on Request			ng Sn/l	Glass		14 days
Triphenyltin	§	Details on Request			ng Sn/l	Glass		14 days
Synthetic Pyrethroids								
Cyfluthrin	§	GCMS		0.1	µg/l	Glass		14 days
Cyhalothrin	§	GCMS		0.1	µg/l	Glass		14 days
Cypermethrin	§	GCMS		0.1	µg/l	Glass		14 days
Deltamethrin	§	GCMS		0.1	µg/l	Glass		14 days
Fenvalerate	§	GCMS		0.1	µg/l	Glass		14 days
Permethrin	§	GCMS		0.1	µg/l	Glass		14 days
Resmethrin	§	GCMS		0.1	µg/l	Glass		14 days
Tetramethrin	§	GCMS		0.1	µg/l	Glass		14 days
Phenyl Ureas								
Chlortoluron	§	LCMS		0.05	µg/l	Glass		14 days
Chloroxuron	§	LCMS		0.05	µg/l	Glass		14 days
Diflubenzuron	§	LCMS		0.05	µg/l	Glass		14 days
Diuron	§	LCMS/MS		0.05	µg/l	Glass		14 days
Dimefuron	§	LCMS		0.05	µg/l	Glass		14 days
Isoproturon	§	LCMS		0.05	µg/l	Glass		14 days
Linuron	§	LCMS		0.05	µg/l	Glass		14 days
Methabenzthiazuron	§	LCMS		0.05	µg/l	Glass		14 days
Monolinuron	§	LCMS		0.05	µg/l	Glass		14 days
Monuron	§	LCMS		0.05	µg/l	Glass		14 days
Metoxuron	§	LCMS/MS		0.05	µg/l	Glass		14 days
Pencycuron	§	LCMS		0.05	µg/l	Glass		14 days
Fluometuron	§	LCMS/MS		0.05	µg/l	Glass		14 days
Microbiology								
Microbiology (natural)	§	See below	U	1	colonies/ml	Sterile Water Bottle		1 day
Microbiology (chlorinated)	§	See below	U	1	colonies/ml	Sterile Water Bottle	Na ₂ S ₂ O ₃	1 day
Legionella	§	Based on BS 6068-4.12:1998; ISO 11731:1998	U	100	colonies/l	Sterile Water Bottle	Na ₂ S ₂ O ₃ , room temp	1 day

TECHNICAL DETAILS SUMMARY WATERS

Further method details are available on request.

Accreditation applies to groundwaters (GW), surface waters (SW), landfill leachates (LL), effluents (Eff).

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Metals											
Aluminium (dissolved)	CE265	Filtered, ICP-MS		U			4.6	µg/l Al	Plastic		4 days
Antimony (dissolved)	CE265	Filtered, ICP-MS					0.8	µg/l Sb	Plastic		20 days
Arsenic (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.1	µg/l As	Plastic		28 days
Barium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.9	µg/l Ba	Plastic		28 days
Beryllium (dissolved)	CE265	Filtered, ICP-MS					0.07	µg/l Be	Plastic		5 days
Boron (dissolved)	CE265	Filtered, ICP-MS					4	µg/l B	Plastic		4 days
Cadmium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.1	µg/l Cd	Plastic		13 days
Calcium (dissolved)	CE265	Filtered, ICP-MS					1	mg/l Ca	Plastic		28 days
Chromium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.5	µg/l Cr	Plastic		7 days
Chromium (hexavalent)	CE050	Colorimetry	U	U	U	U	10	µg/l CrVI	Plastic		4 days
Chromium (hexavalent)	CE050	Colorimetry	U	U	U		10	µg/l CrVI	Plastic	NH4SO4/OH	28 days
Chromium (hexavalent)	CE259	Discrete Analyser	U	U	U	U	1.5	ug/l	Plastic		4 days
Chromium (hexavalent)	CE259	Discrete Analyser	U	U	U	U	1.5	ug/l	Plastic	NH4SO4/OH	28 days
Chromium (III)	CE207	Calculation: Cr (total) - Cr (VI)					10	µg/l CrIII	-		-
Cobalt (dissolved)	CE265	Filtered, ICP-MS	U	U	U	U	0.5	µg/l Co	Plastic		7 days
Copper (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.6	µg/l Cu	Plastic		5 days
Iron (dissolved)	CE265	Filtered, ICP-MS	U	U			35	µg/l Fe	Plastic		3 days
Lead (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.6	µg/l Pb	Plastic		12 days
Lithium (dissolved)	CE265	Filtered, ICP-MS					0.4	µg/l Li	Plastic		28 days
Magnesium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	0.2	mg/l Mg	Plastic		20 days
Manganese (dissolved)	CE265	Filtered, ICP-MS	U	U	U	U	7	µg/l Mn	Plastic		5 days
Mercury (dissolved)	CE265	Filtered, ICP-MS					0.05	µg/l Hg	Plastic		3 days
Molybdenum (dissolved)	CE265	Filtered, ICP-MS					0.9	µg/l Mo	Plastic		8 days
Nickel (dissolved)	CE265	Filtered, ICP-MS	U	U	U	U	0.4	µg/l Ni	Plastic		5 days
Phosphorus (dissolved)	CE265	Filtered, ICP-MS					0.009	mg/l P	Plastic		9 days
Potassium (dissolved)	CE265	Filtered, ICP-MS					0.5	mg/l K	Plastic		21 days
Selenium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	1.1	µg/l Se	Plastic		28 days
Silver (dissolved)	CE265	Filtered, ICP-MS					0.4	µg/l Ag	Plastic		20 days
Sodium (dissolved)	CE265	Filtered, ICP-MS	U				2.1	mg/l Na	Plastic		10 days
Strontium (dissolved)	CE265	Filtered, ICP-MS	U	U			4.6	µg/l Sr	Plastic		28 days
Sulphur (dissolved)	CE265	Filtered, ICP-MS	U	U	U		0.6	µg/l S	Plastic		28 days
Thallium (dissolved)	CE265	Filtered, ICP-MS	U	U	U	U	0.8	µg/l Tl	Plastic		7 days
Tin (dissolved)	CE265	Filtered, ICP-MS					1.5	µg/l Sn	Plastic		5 days
Titanium (dissolved)	CE265	Filtered, ICP-MS					1	µg/l Ti	Plastic		17 days
Vanadium (dissolved)	CE265	Filtered, ICP-MS	U	U		U	1	µg/l V	Plastic		12 days

TECHNICAL DETAILS SUMMARY

WATERS

Further method details are available on request.

Accreditation applies to groundwaters (GW), surface waters (SW), landfill leachates (LL), effluents (Eff).

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Zinc (dissolved)	CE265	Filtered, ICP-MS					3	µg/l Zn	Plastic		3 days
Hardness (by calculation)	CE265	Calculation from Ca/Mg	U	U			1	mg/l CaCO ₃	Plastic		20 days

TECHNICAL DETAILS SUMMARY WATERS

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Metals											
Aluminium (total)	CE265	Acid digestion, ICP-MS					4.6	µg/l Al	Plastic	pH <2 HNO ₃	28 days
Antimony (total)	CE265	Acid digestion, ICP-MS					0.8	µg/l Sb	Plastic	pH <2 HNO ₃	28 days
Arsenic (total)	CE265	Acid digestion, ICP-MS					0.1	µg/l As	Plastic	pH <2 HNO ₃	28 days
Barium (total)	CE265	Acid digestion, ICP-MS					0.9	µg/l Ba	Plastic	pH <2 HNO ₃	28 days
Beryllium (total)	CE265	Acid digestion, ICP-MS					0.07	µg/l Be	Plastic	pH <2 HNO ₃	28 days
Boron (total)	CE265	Acid digestion, ICP-MS					4	µg/l B	Plastic	pH <2 HNO ₃	28 days
Cadmium (total)	CE265	Acid digestion, ICP-MS					0.1	µg/l Cd	Plastic	pH <2 HNO ₃	28 days
Calcium (total)	CE265	Acid digestion, ICP-MS					1	mg/l Ca	Plastic	pH <2 HNO ₃	28 days
Chromium (total)	CE265	Acid digestion, ICP-MS					0.5	µg/l Cr	Plastic	pH <2 HNO ₃	28 days
Cobalt (total)	CE265	Acid digestion, ICP-MS					0.5	µg/l Co	Plastic	pH <2 HNO ₃	28 days
Copper (total)	CE265	Acid digestion, ICP-MS					0.6	µg/l Cu	Plastic	pH <2 HNO ₃	28 days
Iron (total)	CE265	Acid digestion, ICP-MS					35	µg/l Fe	Plastic	pH <2 HNO ₃	28 days
Lead (total)	CE265	Acid digestion, ICP-MS					0.6	µg/l Pb	Plastic	pH <2 HNO ₃	28 days
Lithium (total)	CE265	Acid digestion, ICP-MS					0.4	µg/l Li	Plastic	pH <2 HNO ₃	28 days
Magnesium (total)	CE265	Acid digestion, ICP-MS					0.2	mg/l Mg	Plastic	pH <2 HNO ₃	28 days
Manganese (total)	CE265	Acid digestion, ICP-MS					7	µg/l Mn	Plastic	pH <2 HNO ₃	28 days
Mercury (total)	CE265	Acid digestion, ICP-MS					0.05	µg/l Hg	Plastic	pH <2 HNO ₃	28 days
Molybdenum (total)	CE265	Acid digestion, ICP-MS					0.9	µg/l Mo	Plastic	pH <2 HNO ₃	28 days
Nickel (total)	CE265	Acid digestion, ICP-MS					0.4	µg/l Ni	Plastic	pH <2 HNO ₃	28 days
Phosphorus (total)	CE265	Acid digestion, ICP-MS					0.009	mg/l P	Plastic	pH <2 HNO ₃	28 days
Potassium (total)	CE265	Acid digestion, ICP-MS					0.5	mg/l K	Plastic	pH <2 HNO ₃	28 days
Selenium (total)	CE265	Acid digestion, ICP-MS					1.1	µg/l Se	Plastic	pH <2 HNO ₃	28 days
Silver (total)	CE265	Acid digestion, ICP-MS					0.4	µg/l Ag	Plastic	pH <2 HNO ₃	28 days
Sodium (total)	CE265	Acid digestion, ICP-MS					2.1	mg/l Na	Plastic	pH <2 HNO ₃	28 days
Strontium (total)	CE265	Acid digestion, ICP-MS					4.6	µg/l Sr	Plastic	pH <2 HNO ₃	28 days
Sulphur (total)	CE265	Acid digestion, ICP-MS					0.6	µg/l S	Plastic	pH <2 HNO ₃	28 days
Thallium (total)	CE265	Acid digestion, ICP-MS					0.8	µg/l Tl	Plastic	pH <2 HNO ₃	28 days
Tin (total)	CE265	Acid digestion, ICP-MS					1.5	µg/l Sn	Plastic	pH <2 HNO ₃	28 days
Titanium (total)	CE265	Acid digestion, ICP-MS					1	µg/l Ti	Plastic	pH <2 HNO ₃	28 days
Vanadium (total)	CE265	Acid digestion, ICP-MS					1	µg/l V	Plastic	pH <2 HNO ₃	28 days
Zinc (total)	CE265	Acid digestion, ICP-MS					3	µg/l Zn	Plastic	pH <2 HNO ₃	28 days

TECHNICAL DETAILS SUMMARY WATERS

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					

TECHNICAL DETAILS SUMMARY WATERS

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			GW	SW	LL	Eff					

TECHNICAL DETAILS SUMMARY WATERS

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Inorganics											
pH	CE213	Based on BS 1377, pH Meter	U	U	U	U	0.1	units	Plastic,Glass		7 days
Electrical conductivity	CE214	Conductivity Meter	U	U	U	U	10	µS/cm	Plastic,Glass		7 days
Redox Potential	CE082	ORP meter					±0.1	mV	Plastic,Glass		7 days
Ammonia	CE012	Colorimetry	U	U	U	U	10	µg/l N	Plastic,Glass		1 day
Ammonia	CE012	Colorimetry	U	U	U	U	10	µg/l N	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	21 days
Ammoniacal Nitrogen	CE012	Colorimetry	U	U	U	U	10	µg/l NH ₄	Plastic,Glass		1 day
Ammoniacal Nitrogen	CE012	Colorimetry	U	U	U	U	10	µg/l NH ₄	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	21 days
Bromide	CE049	Ion Chromatography	U		U	U	0.4	mg/l Br	Plastic,Glass		28 days
Chloride	CE049	Ion Chromatography	U		U	U	0.5	mg/l Cl	Plastic,Glass		28 days
Fluoride	CE049	Ion Chromatography	U		U	U	0.1	mg/l F	Plastic,Glass		28 days
Nitrate	CE049	Ion Chromatography	U		U	U	0.3	mg/l NO ₃	Plastic,Glass		1 day
Nitrite	CE049	Ion Chromatography	U		U	U	0.2	mg/l NO ₂	Plastic,Glass		1 day
Total Oxidised Nitrogen (as N)	CE049	Sum of Nitrate and Nitrite					0.2	mg/l N	Plastic,Glass		1 day
Phosphate	CE049	Ion Chromatography	U	U	U	U	0.3	mg/l PO ₄	Plastic,Glass		2 days
Sulphate	CE049	Ion Chromatography	U	U	U	U	1.7	mg/l SO ₄	Plastic,Glass		28 days
Chloride	CE257	Discrete Analyser	U	U	U	U	0.4	mg/l	Plastic,Glass		28 days
Fluoride	CE257	Discrete Analyser	U	U	U	U	0.07	mg/l	Plastic,Glass		28 days
Sulphate	CE257	Discrete Analyser	U	U	U	U	0.3	mg/l	Plastic,Glass		28 days
Phosphate	CE257	Discrete Analyser	U	U		U	0.07	mg/l	Plastic,Glass		28 days
Nitrite as N	CE257	Discrete Analyser	U	U	U	U	0.5	mg/l	Plastic,Glass		28 days
TON	CE257	Discrete Analyser	U	U	U	U	0.2	mg/l	Plastic,Glass		28 days
Nitrate as N	CE257	Discrete Analyser	U	U	U	U	0.2	mg/l	Plastic,Glass		28 days
Nitrite as NO ₂	CE257	Discrete Analyser	U	U	U	U	2	mg/l	Plastic,Glass		28 days
Nitrate as NO ₃	CE257	Discrete Analyser	U	U	U	U	0.6	mg/l	Plastic,Glass		28 days
Salinity	CE257	Discrete Analyser					0.8	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as N	CE258	Discrete Analyser	U	U	U	U	0.03	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₃	CE258	Discrete Analyser	U	U	U	U	0.04	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as NH ₄	CE258	Discrete Analyser	U	U	U	U	0.04	mg/l	Plastic,Glass		28 days
Alkalinity	CE260	Discrete Analyser	U	U			1	mg/l CaCO ₃	Plastic,Glass		28 days
Sulphur (free)	CE034	Solvent extraction, HPLC					5	mg/l S	Plastic,Glass		28 days
Sulphur (dissolved)	CE128	ICP-MS	U	U	U	U	0.2	mg/l S	Plastic,Glass		28 days
Sulphide	CE249	Acid distillation, Titration					100	µg/l S ₂ -	Plastic,Glass	pH >12 NaOH, Zn acetate	7 days
Cyanide (free)	CE147	Continuous Flow Colorimetry					5	µg/l CN	Plastic (dark)	pH >12 NaOH	7 days
Cyanide (complex)	CE147	Calculation: CN (total) - CN (free)					5	µg/l CN	Plastic (dark)	pH >12 NaOH	7 days
Cyanide (total)	CE147	Continuous Flow Colorimetry					5	µg/l CN	Plastic (dark)	pH >12 NaOH	14 days

TECHNICAL DETAILS SUMMARY WATERS

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Cyanide (free)	\$	Continuous Flow Colorimetry					5	µg/l CN	Plastic (dark)	pH >12 NaOH	7 days
Cyanide (total)	\$	Continuous Flow Colorimetry					5	µg/l CN	Plastic (dark)	pH >12 NaOH	14 days
Thiocyanate	CE014	Colorimetry	U	U			200	µg/l SCN	Plastic (dark)	pH >12 NaOH	7 days
Phenols (total)	CE148	Continuous Flow Colorimetry					10	µg/l PhOH	Glass		21 days
Alkalinity (settled)	CE035	Titrimetry	U	U	U	U	2	mg/l CaCO ₃	Plastic,Glass		14 days
Suspended solids	CE038	Gravimetry	U	U	U	U	2	mg/l	Plastic,Glass		7 days
Total dissolved solids	CE039	TDS meter					10	mg/l TDS	Plastic,Glass		28 days
Total solids	CE091	Gravimetry					10	mg/l	Plastic,Glass		7 days
Biological Oxygen Demand	CE036	5 day ATU, DO Meter					1	mg/l O ₂	Plastic,Glass		2 days
Chemical Oxygen Demand (filtered)	CE037	Colorimetry		U	U	U	10	mg/l O ₂	Plastic,Glass		28 days
Chemical Oxygen Demand (filtered)	CE037	Colorimetry		U	U	U	10	mg/l O ₂	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	180 days
Chemical Oxygen Demand (settled)	CE037	Colorimetry		U	U	U	10	mg/l O ₂	Plastic,Glass		5 days
Chemical Oxygen Demand (total)	CE037	Colorimetry		U	U	U	10	mg/l O ₂	Plastic,Glass		5 days
Chemical Oxygen Demand (total)	CE037	Colorimetry		U	U	U	10	mg/l O ₂	Plastic,Glass	pH <2 H ₂ SO ₄	180 days

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Inorganics (cont)											
Dissolved Oxygen	CE040	DO meter					1	mg/l O ₂	Plastic,Glass	Determine in-situ	In-situ
Dissolved Organic Carbon	CE247	Filtration, Combustion TOC analyser					5	mg/l C	Vial		7 days
Total Organic Carbon	CE247	Combustion TOC analyser					5	mg/l C	Vial		7 days
Oil & Grease	CE030	Solvent extraction, Gravimetry					10	mg/l	Glass	pH <2 H ₂ SO ₄	28 days
Detergents	CE221	Colorimetry					0.1	mg/l MBAS	Glass	pH <2 H ₂ SO ₄	2 days
Nitrogen (total)	CE234	Combustion, Nitrogen Analyser					1	mg/l	Plastic,Glass		7 days
Salinity	CE086	Calculation: Chloride x 1.0866					1	mg/l	Plastic,Glass		28 days
Chloride	CE257	Gallery Discrete Analyser					0.4	mg/l	Plastic,Glass		28 days
Fluoride	CE257	Gallery Discrete Analyser					0.07	mg/l	Plastic,Glass		28 days
Sulphate	CE257	Gallery Discrete Analyser					0.3	mg/l	Plastic,Glass		28 days
Phosphate	CE257	Gallery Discrete Analyser					0.07	mg/l	Plastic,Glass		2 days
Nitrite as N	CE257	Gallery Discrete Analyser					0.5	mg/l	Plastic,Glass		1 day
TON	CE257	Gallery Discrete Analyser					0.2	mg/l	Plastic,Glass		1 day
Nitrate as N	CE257	Gallery Discrete Analyser					0.2	mg/l	Plastic,Glass		1 day
Nitrite as NO ₂	CE257	Gallery Discrete Analyser					2	mg/l	Plastic,Glass		1 day
Nitrite as NO ₃	CE257	Gallery Discrete Analyser					0.6	mg/l	Plastic,Glass		1 day
Salinity	CE257	Gallery Discrete Analyser					0.8	mg/l	Plastic,Glass		28 days
Ammoniacal Nitrogen as N	CE258	Gallery Discrete Analyser					0.03	mg/l	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	21 days
Ammoniacal Nitrogen as NH ₃	CE258	Gallery Discrete Analyser					0.04	mg/l	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	21 days
Ammoniacal Nitrogen as NH ₄	CE258	Gallery Discrete Analyser					0.04	mg/l	Plastic,Glass	0.45µm filter, pH <2 H ₂ SO ₄	21 days
Chromium VI (dissolved)	CE259	Gallery Discrete Analyser					1.5	µg/l	Plastic,Glass	NH ₄ SO ₄ /OH	28 days
Alkalinity (as CaCO ₃)	CE260	Gallery Discrete Analyser					1	mg/l	Plastic,Glass		14 days

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
PAHs											
Naphthalene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Acenaphthylene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Acenaphthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Fluorene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Phenanthrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(a)anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Chrysene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(b)fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(k)fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(a)pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Indeno(123cd)pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Dibenz(ah)anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(ghi)perylene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PAH (total of USEPA 16)	CE051	Solvent extraction, GC-MS					1.6	µg/l	Glass		7 days
Coronene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PAH (total of 17)	CE051	Solvent extraction, GC-MS					1.7	µg/l	Glass		7 days

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			GW	SW	LL	Eff					
TPH Banded											
VPH (>C5-C10)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH (>C5-C7)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH (>C7-C8)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH (>C8-C10)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
EPH (>C10-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C44)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C16)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C16-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C20)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C20-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C21)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C21-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C25)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C25-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C28)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C28-C40)	CE052	Solvent extraction, GC-FID					10	µg/l	Glass		7 days
EPH (>C10-C12)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C12-C16)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C16-C21)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C16-C35)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C21-C35)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C35-C40)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days
EPH (>C35-C44)	CE052	Solvent extraction, GC-FID					1	µg/l	Glass		7 days

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			GW	SW	LL	Eff					
TPH Aliphatic/Aromatic											
VPH Aliphatic (>C5-C6)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH Aliphatic (>C6-C8)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH Aliphatic (>C8-C10)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH Aromatic (>EC5-EC7)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH Aromatic (>EC7-EC8)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
VPH Aromatic (>EC8-EC10)	CE175	Headspace GC-FID					1	µg/l	Vial	Fill to brim, no headspace	7 days
EPH Aliphatic (>C10-C12)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Vial		7 days
EPH Aliphatic (>C12-C16)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Vial		7 days
EPH Aliphatic (>C16-C21)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aliphatic (>C16-C35)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aliphatic (>C21-C35)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aliphatic (>C35-C44)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aromatic (>EC10-EC12)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aromatic (>EC12-EC16)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aromatic (>EC16-EC21)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aromatic (>EC21-EC35)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days
EPH Aromatic (>EC35-EC44)	CE251	Solvent extraction, GCxGC-FID					1	µg/l	Glass		7 days

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			GW	SW	LL	Eff					
Volatile Organic Compounds											
MTBE	CE057	Headspace GC-FID	U	U	U	U	2	µg/l	Vial	Fill to brim, no headspace	7 days
Benzene	CE057	Headspace GC-FID	U	U	U	U	1	µg/l	Vial	Fill to brim, no headspace	7 days
Toluene	CE057	Headspace GC-FID	U	U	U	U	1	µg/l	Vial	Fill to brim, no headspace	7 days
Ethylbenzene	CE057	Headspace GC-FID	U	U	U	U	1	µg/l	Vial	Fill to brim, no headspace	7 days
m & p-Xylene	CE057	Headspace GC-FID	U	U	U	U	2	µg/l	Vial	Fill to brim, no headspace	7 days
o-Xylene	CE057	Headspace GC-FID	U	U	U	U	1	µg/l	Vial	Fill to brim, no headspace	7 days
Dichlorodifluoromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Chloromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Vinyl chloride	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Bromomethane	CE066	Headspace GC-MS					3	µg/l	Vial	Fill to brim, no headspace	7 days
Chloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Trichlorofluoromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1-Dichloroethene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Trans-1,2-Dichloroethene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1-Dichloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
2,2-Dichloropropane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Cis-1,2-Dichloroethene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Bromochloromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Chloroform	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1,1-Trichloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Carbon tetrachloride	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1-Dichloro-1-propene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2-Dichloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Trichloroethene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2-Dichloropropane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Dibromomethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Bromodichloromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
cis-1,3-Dichloro-1-propene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
trans-1,3-Dichloro-1-propene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1,2-Trichloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days

TECHNICAL DETAILS SUMMARY WATERS

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Accreditation applies to groundwaters (GW), surface waters (SW), landfill leachates (LL), effluents (Eff).

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Volatile Organic Compounds (cont)											
Tetrachloroethene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,3-Dichloropropane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Dibromochloromethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2-Dibromoethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Chlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1,1,2-Tetrachloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Styrene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Tribromomethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Isopropylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Bromobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,1,2,2-Tetrachloroethane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2,3-Trichloropropane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Propylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
2-Chlorotoluene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
4-Chlorotoluene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,3,5-Trimethylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
tert-Butylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2,4-Trimethylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
sec-Butylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,3-Dichlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
4-Isopropyltoluene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,4-Dichlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2-Dichlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Butylbenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2-Dibromo-3-chloropropane	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2,4-Trichlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
Hexachloro-1,3-butadiene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
1,2,3-Trichlorobenzene	CE066	Headspace GC-MS					1	µg/l	Vial	Fill to brim, no headspace	7 days
VOC Tentatively Identified Compounds	CE066	Headspace GC-MS					10	µg/l	Vial	Fill to brim, no headspace	7 days

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Semi-volatile Organic Compounds											
Naphthalene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Acenaphthylene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Acenaphthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Fluorene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Phenanthrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(a)anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Chrysene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(b)fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(k)fluoranthene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(a)pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Indeno(123cd)pyrene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Dibenz(ah)anthracene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Benzo(ghi)perylene	CE051	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
N-Nitrosodimethylamine	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Phenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Bis(2-chloroethyl)ether	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Chlorophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
1,3-Dichlorobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
1,4-Dichlorobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Methylphenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
1,2-Dichlorobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Bis(2-chloroisopropyl)ether	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
3&4-Methylphenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
N-Nitrosodi-n-propylamine	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Hexachloroethane	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Nitrobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Isophorone	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,4-Dimethylphenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Nitrophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Bis(2-chloroethoxy)methane	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Semi-volatile Organic Compounds (cont)											
2,4-Dichlorophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
1,2,4-Trichlorobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Chloroaniline	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Hexachlorobutadiene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Chloro-3-methylphenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Methylnaphthalene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
1-Methylnaphthalene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Hexachlorocyclopentadiene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,4,6-Trichlorophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,4,5-Trichlorophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Chloronaphthalene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Nitroaniline	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Dimethyl phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,6-Dinitrotoluene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
3-Nitroaniline	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,4-Dinitrophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Nitrophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2,4-Dinitrotoluene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Dibenzofuran	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Diethyl phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Chlorophenylphenyl ether	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Nitroaniline	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
2-Methyl-4,6-dinitrophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Azobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
4-Bromophenylphenyl ether	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Hexachlorobenzene	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Pentachlorophenol	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Carbazole	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Di-n-butyl phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Butylbenzyl phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Bis(2-ethylhexyl)phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
Di-n-octyl phthalate	CE065	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
SVOC Tentatively Identified Compounds	CE065	Solvent extraction, GC-MS					1	µg/l	Glass		7 days

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			GW	SW	LL	Eff					
Phenols (speciated)											
Dimethylphenols	CE065	Solvent extraction, GCMS					0.1	µg/l	Glass		21 days
Methylphenols	CE065	Solvent extraction, GCMS					0.1	µg/l	Glass		21 days
Naphthols	CE065	Solvent extraction, GCMS					0.1	µg/l	Glass		21 days
Phenol	CE065	Solvent extraction, GCMS					0.1	µg/l	Glass		21 days
Trimethylphenol	CE065	Solvent extraction, GCMS					0.1	µg/l	Glass		21 days
PCB (ICES 7)											
PCB Congener 28	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 52	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 101	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 118	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 138	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 153	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 180	CE070	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB (total of ICES 7)	CE070	Solvent extraction, GC-MS					0.7	µg/l	Glass		7 days
PCB (WHO 12)											
PCB Congener 77	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 81	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 105	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 114	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 118	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 123	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 126	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 156	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 157	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 167	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 169	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB Congener 189	CE187	Solvent extraction, GC-MS					0.1	µg/l	Glass		7 days
PCB (total of WHO 12)	CE187	Solvent extraction, GC-MS					1.2	µg/l	Glass		7 days
Organochlorine pesticides											
Alpha-HCH	\$	GCMS					0.02	µg/l	Glass		7 days
Aldrin	\$	GCMS					0.02	µg/l	Glass		7 days
Beta-HCH	\$	GCMS					0.02	µg/l	Glass		7 days
cis-Chlordane	\$	GCMS					0.02	µg/l	Glass		7 days
trans-Chlordane	\$	GCMS					0.02	µg/l	Glass		7 days
Delta-HCH	\$	GCMS					0.02	µg/l	Glass		7 days

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			GW	SW	LL	Eff					
Dieldrin	\$	GCMS					0.02	µg/l	Glass		7 days
Endrin	\$	GCMS					0.02	µg/l	Glass		7 days
Endosulphan A	\$	GCMS					0.02	µg/l	Glass		7 days
Endosulphan B	\$	GCMS					0.02	µg/l	Glass		7 days
Gamma-HCH (Lindane)	\$	GCMS					0.02	µg/l	Glass		7 days
Hexachlorbenzene (HCB)	\$	GCMS					0.02	µg/l	Glass		7 days
Heptachlor Epoxide	\$	GCMS					0.02	µg/l	Glass		7 days
Heptachlor	\$	GCMS					0.02	µg/l	Glass		7 days
Isodrin	\$	GCMS					0.02	µg/l	Glass		7 days
Methoxychlor	\$	GCMS					0.02	µg/l	Glass		7 days
o,p'-DDD (o,p'-TDE)	\$	GCMS					0.02	µg/l	Glass		7 days
o,p'-DDE	\$	GCMS					0.02	µg/l	Glass		7 days
o,p'-DDT	\$	GCMS					0.02	µg/l	Glass		7 days
p,p'-DDD (p,p'-TDE)	\$	GCMS					0.02	µg/l	Glass		7 days
p,p'-DDE	\$	GCMS					0.02	µg/l	Glass		7 days
p,p'-DDT	\$	GCMS					0.02	µg/l	Glass		7 days
technazine	\$	GCMS					0.02	µg/l	Glass		7 days
Propyzamide	\$	LCMS/MS					0.02	µg/l	Glass		7 days
Chlorothalonil	\$	GCMS					0.03	µg/l	Glass		7 days
Triallate	\$	GCMS					0.02	µg/l	Glass		7 days
Triadimefon	\$	GCMS					0.01	µg/l	Glass		7 days
Pendimethalin	\$	GCMS					0.02	µg/l	Glass		7 days
Endosulphan Sulphate	\$	GCMS					0.02	µg/l	Glass		7 days
Endrin Ketone	\$	GCMS					0.02	µg/l	Glass		7 days
Trifluralin	\$	GCMS					0.02	µg/l	Glass		7 days
Organophosphate pesticides											
Azinphos Methyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Chlorfenvinphos, Alpha	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Chlorfenvinphos, Bets	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Chlorpyrifos-mathyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Dichlorvos	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Diazinon	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Dimethoate	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Fenthion	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Fenitrothion	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Malathion	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days

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Mevinphos E	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Mevinphos Z	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Parathion-ethyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Parathion-methyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Phorate	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Methacrifos	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Propetamhos	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Phosphamidon	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Etrmphos	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Pirimiphos-ethyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Ethion	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Triazofos	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Carbophenothion	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Phosalone	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Azinphos-ethyl	\$	Solvent extraction, GC-MS					0.02	µg/l	Glass		7 days
Acid herbicides											
2,3,6-TBA	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,4-D (2,4-Dichlorophenoxyacetic Acid)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,4-DB	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,4,5-T (2,3,4-trichlorophenoxyacetic Acid)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,4,5-TP (Fenoprop, silvex)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,6-Dichlorobenzoic Acid (DBA)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Acifluorfen	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Bentazone	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Bromacil	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Bromoxynil	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Dicamba	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
2,4-DP (Dichlorprop)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Dinoseb (DNBP)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Fluroxypyr	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Imazapyr	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Ioxynil	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
MCPA	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
MCPB	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Mecoprop (MCPP)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Pentachlorophenol (PCP)	\$	LC-MS/MS					0.02	µg/l	Glass		7 days

TECHNICAL DETAILS SUMMARY WATERS

Further method details are available on request.

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Picloram	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Chloramben	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Dalapon	\$	LC-MS/MS					0.02	µg/l	Glass		7 days
Triazines											
Atrazine	\$	LCMS					0.02	µg/l	Glass		7 days
Prometryn	\$	LCMS					0.02	µg/l	Glass		7 days
Propazine	\$	LCMS					0.02	µg/l	Glass		7 days
Simazie	\$	LCMS					0.02	µg/l	Glass		7 days
Terbutylazine	\$	LCMS					0.02	µg/l	Glass		7 days
Terbutryn	\$	LCMS					0.02	µg/l	Glass		7 days
Trietazine	\$	LCMS					0.02	µg/l	Glass		7 days
Organo Nitrogen Pesticides											
Aldicarb	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Carbendazim	\$	LCMS/MS					0.1	µg/l	Glass		7 days
Carbofuran	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Chlorpropham	\$	LCMS/MS					0.1	µg/l	Glass		7 days
Diuron	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Methiocarb	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Methomyl	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Oxamyl	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Propham	\$	LCMS/MS					0.1	µg/l	Glass		7 days
Propoxur	\$	LCMS/MS					0.05	µg/l	Glass		7 days
Thiobencarb	\$	GCMS					0.1	µg/l	Glass		7 days
Organotins											
Monobutyltin	\$	Extraction, GC-MS					0.1	µg/l	Glass		14 days
Dibutyltin	\$	Extraction, GC-MS					0.02	µg/l	Glass		14 days
Tributyltin	\$	Extraction, GC-MS					0.0002	µg/l	Glass		14 days
Dibutyltin	\$	Details on Request						ng Sn/l	Glass		14 days
Tetrabutyltin	\$	Details on Request						ng Sn/l	Glass		14 days
Tributyltin	\$	Details on Request						ng Sn/l	Glass		14 days
Triphenyltin	\$	Details on Request						ng Sn/l	Glass		14 days
Synthetic Pyrethroids											
Cyfluthrin	\$	GCMS					0.1	µg/l	Glass		14 days
Cyhalothrin	\$	GCMS					0.1	µg/l	Glass		14 days
Cypermethrin	\$	GCMS					0.1	µg/l	Glass		14 days
Deltamethrin	\$	GCMS					0.1	µg/l	Glass		14 days

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			GW	SW	LL	Eff					
Fenvalerate	\$	GCMS					0.1	µg/l	Glass		14 days
Permethrin	\$	GCMS					0.1	µg/l	Glass		14 days
Resmethrin	\$	GCMS					0.1	µg/l	Glass		14 days
Tetramethrin	\$	GCMS					0.1	µg/l	Glass		14 days
Phenyl Ureas											
Chlortoluron	\$	LCMS					0.05	µg/l	Glass		14 days
Chloroxuron	\$	LCMS					0.05	µg/l	Glass		14 days
Diflufenzuron	\$	LCMS					0.05	µg/l	Glass		14 days
Diuron	\$	LCMS/MS					0.05	µg/l	Glass		14 days
Dimefuron	\$	LCMS					0.05	µg/l	Glass		14 days
Isoproturon	\$	LCMS					0.05	µg/l	Glass		14 days
Linuron	\$	LCMS					0.05	µg/l	Glass		14 days
Methabenzthiazuron	\$	LCMS					0.05	µg/l	Glass		14 days
Monolinuron	\$	LCMS					0.05	µg/l	Glass		14 days
Monuron	\$	LCMS					0.05	µg/l	Glass		14 days
Metoxuron	\$	LCMS/MS					0.05	µg/l	Glass		14 days
Pencycuron	\$	LCMS					0.05	µg/l	Glass		14 days
Fuometuron	\$	LCMS/MS					0.05	µg/l	Glass		14 days

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
Subcontracted testing											
Glyphosate & AMPA	\$	LC-MS	U	U	U	U	0.2	ug/l	Glass / Amber Glass		14* refrigerated
Absorbable Organic Halides (AOX)	\$	MSSL Method 3023 based upon BS EN ISO 9562	U	U	U	U	20	ug/l	Amber Glass		7 days
Asbestos in Water (Quantitative)	\$	HSG 248	U	U	U	U	3 asbestos fibres in 150 SEM screen areas		Plastic		-
Biphenyl	\$	Details on request					0.002	mg/l	Amber Glass		-
Carbon Disulphide	\$	Details on request					5	ug/l	Glass Vial		14 days
Chlorothalonil & Dichlofluanid	\$	GC-MS					0.3	ug/l	Amber Glass		-
Cypermethrin	\$	GC-MS QQQ					0.1	ug/l	Amber Glass		*14 days
Dioxins & Furans, Dioxin like PCBs	\$	USEPA 1613 method using solvent extraction fol	U	U	U	U	Various		Glass		7 days
Diuron	\$	LC-MS MS					50	ng/l	Amber Glass		7 days
Irgarol	\$	LC-MS MS					0.1	ug/l	Amber Glass		-
Nonylphenol ethoxylates, 4-Nonylphenol	\$	GC-MS QQQ					0.1	ug/l	Amber Glass		7 days
Perfluoroalkyl Surfactants (PFOS)	\$	LC-MS					0.1	ug/l	Glass		*14 days
Perfluoroalkyl Surfactants (PFOA)	\$	LC-MS					0.1	ug/l	Glass		*14 days
Short chained chlorinated paraffins	\$	GC-MS QQQ					0.1	ug/l	Glass		30 days
Total Nitrogen	\$	EPA-600/4-79-020					0.1	mg/l	Plastic,Glass		-
Total Nitrogen (Liquid Waste)	\$	EPA-600/4-79-020 / Kjeldahl					0.01	%	Plastic,Glass		-
Nitrate & Nitrite Nitrogen (Liquid Waste)	\$	EPA-600/4-79-020 / Kjeldahl					10	mg/kg	Plastic,Glass		-
Turbidity	\$	Based on HMSO 1981; ISBN 0117519553	U	U	U	U	0.1	NTU	Plastic,Glass		-
Volatile Fatty Acids	\$	GC-FID					10	mg/l	Glass		-
Dissolved gases											
Methane	\$	Headspace extraction, GC-FID					5	ug/l	Amber Glass		28 days
Ethane	\$	Headspace extraction, GC-FID					10	ug/l	Amber Glass		28 days
Ethene	\$	Headspace extraction, GC-FID					10	ug/l	Amber Glass		28 days
Microbiology											
Legionella	\$	Based on BS 6068-4.12:1998; ISO 11731:1998					25	cfu/500ml	Plastic (dark)	Na ₂ S ₂ O ₃ , room temp	1 day
Enumeration of E.coli	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of Enterococci	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of total coliforms	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of anaerobic SR Clostridia	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of Clostridium perfringens	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of Pseudomonas aeruginosa	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Enumeration of Salmonella	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Total colony count	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Presence/absence of Salmonella	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day
Presence/absence of E.coli	\$	Details on request					1	cfu/100ml	Sterile Bottle		1 day

TECHNICAL DETAILS SUMMARY WATERS

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WATERS	METHOD	METHOD SUMMARY	STATUS				LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
			GW	SW	LL	Eff					
TVC @ 22°C	\$	Details on request				-	1	cfu/100ml	Sterile Bottle		1 day
TVC @ 37°C	\$	Details on request				-	1	cfu/100ml	Sterile Bottle		1 day

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

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ROAD CORES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Preparation								
Core Sample Preparation	CE001	Preparation only	-	-	-	-	-	N/A
Phenols (speciated)								
Dimethylphenols	CE189	Solvent extraction, GCMS		0.1	mg/kg	Glass		N/A
Methylphenols	CE189	Solvent extraction, GCMS		0.1	mg/kg	Glass		N/A
Naphthols	CE189	Solvent extraction, GCMS		0.1	mg/kg	Glass		N/A
Phenol	CE189	Solvent extraction, GCMS		0.1	mg/kg	Glass		N/A
Trimethylphenol	CE189	Solvent extraction, GCMS		0.1	mg/kg	Glass		N/A
Phenols (total)	CE184	Extraction, Continuous Flow Colorimetry		0.5	mg/kg	Plastic,Glass		N/A
PAHs								
Naphthalene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Acenaphthylene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Acenaphthene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Fluorene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Phenanthrene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Anthracene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Fluoranthene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Pyrene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Benzo(a)anthracene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Chrysene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Benzo(b)fluoranthene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Benzo(k)fluoranthene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Benzo(a)pyrene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Indeno(123cd)pyrene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Dibenz(ah)anthracene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
Benzo(ghi)perylene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
PAH (total of USEPA 16)	CE151	Solvent extraction, GC-MS		16	mg/kg	Plastic,Glass		N/A
Coronene	CE151	Solvent extraction, GC-MS		1	mg/kg	Plastic,Glass		N/A
PAH (total of 17)	CE151	Solvent extraction, GC-MS		17	mg/kg	Plastic,Glass		N/A

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

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FILTERS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Metals								
Aluminium (total)	CE074	Acid digestion, ICP-MS		1	µg Al	Plastic,Glass		N/A
Antimony (total)	CE074	Acid digestion, ICP-MS		1	µg Sb	Plastic,Glass		N/A
Arsenic (total)	CE074	Acid digestion, ICP-MS		1	µg As	Plastic,Glass		N/A
Barium (total)	CE074	Acid digestion, ICP-MS		1	µg Ba	Plastic,Glass		N/A
Cadmium (total)	CE074	Acid digestion, ICP-MS		1	µg Cd	Plastic,Glass		N/A
Calcium (total)	CE074	Acid digestion, ICP-MS		1	µg Ca	Plastic,Glass		N/A
Chromium (total)	CE074	Acid digestion, ICP-MS		1	µg Cr	Plastic,Glass		N/A
Chromium (VI)	CE110	Extraction, Colorimetry		1	µg CrVI	Plastic,Glass		N/A
Cobalt (total)	CE074	Acid digestion, ICP-MS		1	µg Co	Plastic,Glass		N/A
Copper (total)	CE074	Acid digestion, ICP-MS		1	µg Cu	Plastic,Glass		N/A
Iron (total)	CE074	Acid digestion, ICP-MS		1	µg Fe	Plastic,Glass		N/A
Lead (total)	CE074	Acid digestion, ICP-MS		1	µg Pb	Plastic,Glass		N/A
Manganese (total)	CE074	Acid digestion, ICP-MS		1	µg Mn	Plastic,Glass		N/A
Mercury (total)	CE074	Acid digestion, ICP-MS		1	µg Hg	Plastic,Glass		N/A
Molybdenum (total)	CE074	Acid digestion, ICP-MS		1	µg Mo	Plastic,Glass		N/A
Nickel (total)	CE074	Acid digestion, ICP-MS		1	µg Ni	Plastic,Glass		N/A
Selenium (total)	CE074	Acid digestion, ICP-MS		1	µg Se	Plastic,Glass		N/A
Zinc (total)	CE074	Acid digestion, ICP-MS		1	µg Zn	Plastic,Glass		N/A
Organics								
Formaldehyde	CE076	Extraction, Colorimetry		5	µg	Plastic,Glass		N/A

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

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FOAMS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Ozone Depleting Substances								
CFCs	CE182	Headspace GC-MS		0.01	% w/w	Plastic,Glass	Minimise headspace	N/A
CFCs (total)	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
Halons (total)	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
Carbon tetrachloride	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
1,1,1-Trichloroethane	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
HCFC (total)	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
HBFC (total)	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
Methyl bromide	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
Bromochloromethane	CE182	Headspace GC-MS		1	mg/kg	Plastic,Glass	Minimise headspace	N/A
Subcontracting tests								
Isocyanates	\$	GCMS & LCMS		0.01	mg/kg	Amber Glass		N/A

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

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PAINTS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Metals (mg/kg)								
Lead (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Aluminium (total)	CE080	Aqua regia digest, ICP-MS		90	mg/kg	Plastic,Glass		N/A
Antimony (total)	CE080	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Arsenic (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Barium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Beryllium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Cadmium (total)	CE080	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Calcium (total)	CE080	Aqua regia digest, ICP-MS		2850	mg/kg	Plastic,Glass		N/A
Chromium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Chromium (hexavalent)	CE146	Acid extraction, Colorimetry		10	mg/kg	Plastic,Glass		N/A
Chromium (III)	CE208	Calculation: Cr (total) - Cr (VI)		10	mg/kg	-		N/A
Cobalt (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Copper (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Iron (total)	CE080	Aqua regia digest, ICP-MS		380	mg/kg	Plastic,Glass		N/A
Magnesium (total)	CE080	Aqua regia digest, ICP-MS		100	mg/kg	Plastic,Glass		N/A
Manganese (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Mercury (total)	CE080	Aqua regia digest, ICP-MS		1	mg/kg	Plastic,Glass		N/A
Molybdenum (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Nickel (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Phosphorus (total)	CE080	Aqua regia digest, ICP-MS		100	mg/kg	Plastic,Glass		N/A
Potassium (total)	CE080	Aqua regia digest, ICP-MS		200	mg/kg	Plastic,Glass		N/A
Selenium (total)	CE080	Aqua regia digest, ICP-MS		3	mg/kg	Plastic,Glass		N/A
Sodium (total)	CE080	Aqua regia digest, ICP-MS		220	mg/kg	Plastic,Glass		N/A
Sulphur (total)	CE080	Aqua regia digest, ICP-MS		1000	mg/kg	Plastic,Glass		N/A
Thallium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Tin (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Titanium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Vanadium (total)	CE080	Aqua regia digest, ICP-MS		10	mg/kg	Plastic,Glass		N/A
Zinc (total)	CE080	Aqua regia digest, ICP-MS		50	mg/kg	Plastic,Glass		N/A

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

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PAINTS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Metals (%w/w)								
Lead (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Aluminium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Antimony (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Arsenic (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Barium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Beryllium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Cadmium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Calcium (total)	CE080	Aqua regia digest, ICP-MS		0.3	% w/w	Plastic,Glass		N/A
Chromium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Chromium (hexavalent)	CE146	Acid extraction, Colorimetry		0.01	% w/w	Plastic,Glass		N/A
Chromium (III)	CE208	Calculation: Cr (total) - Cr (VI)		0.01	% w/w	-		N/A
Cobalt (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Copper (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Iron (total)	CE080	Aqua regia digest, ICP-MS		0.04	% w/w	Plastic,Glass		N/A
Magnesium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Manganese (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Mercury (total)	CE080	Aqua regia digest, ICP-MS		0.001	% w/w	Plastic,Glass		N/A
Molybdenum (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Nickel (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Phosphorus (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Potassium (total)	CE080	Aqua regia digest, ICP-MS		0.02	% w/w	Plastic,Glass		N/A
Selenium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Sodium (total)	CE080	Aqua regia digest, ICP-MS		0.03	% w/w	Plastic,Glass		N/A
Sulphur (total)	CE080	Aqua regia digest, ICP-MS		0.1	% w/w	Plastic,Glass		N/A
Thallium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Tin (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Titanium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Vanadium (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A
Zinc (total)	CE080	Aqua regia digest, ICP-MS		0.01	% w/w	Plastic,Glass		N/A

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

Further method details are available on request.

Key: \$ = Subcontracted

SWABS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
PCB (ICES 7)								
PCB Congener 28	CE186	Solvent extraction, GC-MS		0.016	µg	Glass		N/A
PCB Congener 52	CE186	Solvent extraction, GC-MS		0.016	µg	Glass		N/A
PCB Congener 101	CE186	Solvent extraction, GC-MS		0.032	µg	Glass		N/A
PCB Congener 118	CE186	Solvent extraction, GC-MS		0.024	µg	Glass		N/A
PCB Congener 138	CE186	Solvent extraction, GC-MS		0.024	µg	Glass		N/A
PCB Congener 153	CE186	Solvent extraction, GC-MS		0.036	µg	Glass		N/A
PCB Congener 180	CE186	Solvent extraction, GC-MS		0.032	µg	Glass		N/A
PCB (total of ICES 7)	CE186	Solvent extraction, GC-MS		0.180	µg	Glass		N/A
Subcontracted testing								
Perfluorooctyl sulphonate (PFOS)	\$	LC-MS		0.1	µg/kg	Glass		N/A
Hexabromocyclododecane (HBCDD)	\$	Solvent extraction, GC-MS		0.1	mg/kg	Plastic, Glass		30 days
PBB								
BB-3	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-15	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-29	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-49	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-52	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-77	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-80	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-101	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-103	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-126	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-153	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-169	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-180	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-194	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-206	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days
BB-209	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic, Glass		30 days

TECHNICAL DETAILS SUMMARY

MISCELLANEOUS

Further method details are available on request.

Key: \$ = Subcontracted

SWABS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
PBDE								
PBDE-17	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-28	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-47	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-66	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-71	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-85	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-99	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-100	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-128	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-138	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-153	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-154	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-175	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-183	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-203	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-206	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PBDE-209	\$	Solvent extraction, GC-MS		10	µg/kg	Plastic,Glass		30 days
PFOS & PFOA								
Perfluorooctyl sulphonate (PFOS)	\$	LC-MS		10	µg/kg	Plastic,Glass		N/A
Perfluorooctanoic acid (PFOA)	\$	LC-MS		10	µg/kg	Plastic,Glass		N/A
Polychlorinated Naphthalenes (PCNs)								
Dichloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Trichloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Tetrachloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Pentachloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Hexachloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Heptachloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Octachloranaphthalene	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days
Polychlorinated naphthalenes (total)	\$	Solvent extraction, GC-MS		10	mg/kg	Plastic,Glass		30 days

TECHNICAL DETAILS SUMMARY

BS3882(2015) BS8061(2013)

Further method details are available on request.

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Key: M = MCERTS accredited \$ = Subcontracted
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BS3882: SOILS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Soil Texture	CE118	Soil classification	-	-	-	Plastic,Glass		-
Stone Content	CE118	Sieving	-	0.1	mg/kg	Plastic,Glass		-
Loss On Ignition at 440°C	CE006	Based on BS 1377, Gravimetry	U	0.1	% w/w	Plastic,Glass		28 days
pH	CE004	Based on BS 1377, pH Meter	M	-	units	Plastic,Glass		21 days
Carbonate (by difference)	CE072	Carbon Analyser, calculation TC-TOC		0.1	% w/w	Plastic,Glass		28 days
Nitrogen (total)	CE198	Combustion, Nitrogen analyser		0.01	% w/w	Plastic,Glass		28 days
Carbon:Nitrogen ratio	CE222	Calculation: TOC/Nitrogen (total)		0.1	-	Plastic,Glass		28 days
Phosphorus (extractable)	CE089	Sodium bicarbonate extraction, ICP-MS		1	mg/l	Plastic,Glass		28 days
Potassium (extractable)	CE088	Ammonium Nitrate, ICP-MS		1	mg/l	Plastic,Glass		28 days
Magnesium (extractable)	CE088	Ammonium Nitrate, ICP-MS		1	mg/l	Plastic,Glass		28 days
Sodium (extractable)	CE088	Ammonium Nitrate, ICP-MS		0.1	%	Plastic,Glass		28 days
Electrical conductivity	CE007	Conductivity Meter	U	10	µS/cm	Plastic,Glass		28 days
Copper (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		1	mg/kg	Plastic,Glass		180 days
Nickel (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		1	mg/kg	Plastic,Glass		180 days
Zinc (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		5	mg/kg	Plastic,Glass		180 days
Visible contaminants	-	Visual inspection, gravimetry		0.1	% w/w	Plastic,Glass		-

BS8061:2013 SOILS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Soil Texture	CE118	Soil classification	-	-	-	Plastic,Glass		-
Stone Content	CE118	Sieving	-	0.1	mg/kg	Plastic,Glass		-
Copper (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		1	mg/kg	Plastic,Glass		180 days
Nickel (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		1	mg/kg	Plastic,Glass		180 days
Zinc (nitric acid extractable)	CE127	Nitric acid digest, ICP-MS		5	mg/kg	Plastic,Glass		180 days
Sodium (extractable)	CE088	Ammonium Nitrate, ICP-MS		0.1	%	Plastic,Glass		28 days
pH	CE004	Based on BS 1377, pH Meter	M	-	units	Plastic,Glass		21 days
Electrical conductivity	CE007	Conductivity Meter	U	10	µS/cm	Plastic,Glass		28 days
Loss On Ignition at 440°C	CE006	Based on BS 1377, Gravimetry	U	0.1	% w/w	Plastic,Glass		28 days

TECHNICAL DETAILS SUMMARY TEST SUITES

Further method details are available on request.

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UKWIR: SOILS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
VPH (>C5-C10)	CE067	Headspace GC-FID		0.1	mg/kg	VOC jar	Fill to brim, no headspace	14 days
EPH (>C10-C16)	CE033	Solvent extraction, GC-FID		10	mg/kg	Glass		*14 days
EPH (>C16-C40)	CE033	Solvent extraction, GC-FID		10	mg/kg	Glass		*14 days
EPH (>C10-C20)	CE033	Solvent extraction, GC-FID		10	mg/kg	Glass		*14 days
EPH (>C20-C40)	CE033	Solvent extraction, GC-FID		10	mg/kg	Glass		*14 days
VOC (total) inc TICs	CE066	Headspace GC-MS		0.01	mg/kg	VOC jar	Fill to brim, no headspace	14 days
BTEX & MTBE (total)	CE057	Headspace GC-FID		0.06	mg/kg	VOC jar	Fill to brim, no headspace	14 days
SVOC (total) inc TICs	CE065	Solvent extraction, GC-MS		0.1	mg/kg	Glass		*14 days
Phenols (total)	CE065	Solvent extraction, GC-MS		0.1	mg/kg	Glass		*14 days
Cresols & chlorinated phenols (total)	CE065	Solvent extraction, GC-MS		0.01	mg/kg	Glass		*14 days
Ethers*	CE065	Solvent extraction, GC-MS		0.1	mg/kg	Glass		*14 days
Nitrobenzene*	CE065	Solvent extraction, GC-MS		0.1	mg/kg	Glass		*14 days
Ketones*	CE065	Solvent extraction, GC-MS		0.01	mg/kg	Glass		*14 days
Aldehydes*	CE065	Solvent extraction, GC-MS		0.01	mg/kg	Glass		*14 days
Amines*	CE065	Solvent extraction, GC-MS		0.1	mg/kg	Glass		*14 days
pH	CE004	Based on BS 1377, pH Meter	M	-	units	Plastic,Glass		21 days
Electrical conductivity	CE007	Conductivity Meter	U	10	µS/cm	Plastic,Glass		28 days
Redox potential	CE082	ORP meter		±1	% w/w	Plastic,Glass		28 days

TECHNICAL DETAILS SUMMARY

WAC TESTING

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WAC: SOILS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Antimony (total)	CE264	Aqua regia digest, ICP-MS		5	mg/kg	Plastic,Glass		180 days
Arsenic (total)	CE264	Aqua regia digest, ICP-MS	M	3	mg/kg	Plastic,Glass		180 days
Barium (total)	CE264	Aqua regia digest, ICP-MS	U	4	mg/kg	Plastic,Glass		180 days
Cadmium (total)	CE264	Aqua regia digest, ICP-MS	M	2	mg/kg	Plastic,Glass		180 days
Chromium (total)	CE264	Aqua regia digest, ICP-MS	U	2	mg/kg	Plastic,Glass		180 days
Copper (total)	CE264	Aqua regia digest, ICP-MS	M	2	mg/kg	Plastic,Glass		180 days
Lead (total)	CE264	Aqua regia digest, ICP-MS	U	3	mg/kg	Plastic,Glass		180 days
Mercury (total)	CE264	Aqua regia digest, ICP-MS	U	2	mg/kg	Plastic,Glass		180 days
Molybdenum (total)	CE264	Aqua regia digest, ICP-MS	U	2	mg/kg	Plastic,Glass		180 days
Nickel (total)	CE264	Aqua regia digest, ICP-MS	M	3	mg/kg	Plastic,Glass		180 days
Selenium (total)	CE264	Aqua regia digest, ICP-MS	U	3	mg/kg	Plastic,Glass		180 days
Zinc (total)	CE264	Aqua regia digest, ICP-MS	M	4	mg/kg	Plastic,Glass		180 days
pH	CE004	Based on BS 1377, pH Meter	M	-	units	Plastic,Glass		21 days
Acid Neutralising Capacity	CE083	Aqueous extraction, Titration		0.02	mol/kg	Plastic,Glass		28 days
Total Organic Carbon	CE197	Combustion, Carbon Analyser		0.1	% w/w	Plastic,Glass		28 days
Loss On Ignition at 440°C	CE006	Based on BS 1377, Gravimetry	U	0.1	% w/w	Plastic,Glass		28 days
PAH (total of 17)	CE087	Solvent extraction, GC-MS		0.36	mg/kg	Glass		*14 days
BTEX (total)	CE057	Headspace GC-FID	U	0.06	mg/kg	VOC jar	Fill to brim, no headspace	14 days
EPH (C10-C40)	CE033	Solvent extraction, GC-FID	M	10	mg/kg	Glass		*28 days
Mineral Oil (C10-C40)	CE162	Solvent extraction, clean-up, GC-FID		10	mg/kg	Glass		*28 days
PCB (total of ICES 7)	CE137	Solvent extraction, GC-MS	M	0.045	mg/kg	Glass		*14 days

TECHNICAL DETAILS SUMMARY

WAC TESTING

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WAC: SOLIDS	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Antimony (total)	CE264	Aqua regia digest, ICP-MS		5	mg/kg	Plastic,Glass		N/A
Arsenic (total)	CE264	Aqua regia digest, ICP-MS		3	mg/kg	Plastic,Glass		N/A
Barium (total)	CE264	Aqua regia digest, ICP-MS		4	mg/kg	Plastic,Glass		N/A
Cadmium (total)	CE264	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Chromium (total)	CE264	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Copper (total)	CE264	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Lead (total)	CE264	Aqua regia digest, ICP-MS		3	mg/kg	Plastic,Glass		N/A
Mercury (total)	CE264	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Molybdenum (total)	CE264	Aqua regia digest, ICP-MS		2	mg/kg	Plastic,Glass		N/A
Nickel (total)	CE264	Aqua regia digest, ICP-MS		3	mg/kg	Plastic,Glass		N/A
Selenium (total)	CE264	Aqua regia digest, ICP-MS		3	mg/kg	Plastic,Glass		N/A
Zinc (total)	CE264	Aqua regia digest, ICP-MS		4	mg/kg	Plastic,Glass		N/A
pH	CE004	Based on BS 1377, pH Meter		-	units	Plastic,Glass		N/A
Acid Neutralising Capacity	CE083	Titration		0.02	mol/kg	Plastic,Glass		N/A
Total Organic Carbon	CE197	Combustion, Carbon Analyser		0.1	% w/w	Plastic,Glass		N/A
Loss On Ignition at 440°C	CE006	Based on BS 1377, Gravimetry		0.1	% w/w	Plastic,Glass		N/A
PAH (total of 17)	CE087	Solvent extraction, GC-MS		0.36	mg/kg	Glass		N/A
BTEX (total)	CE057	Headspace GC-FID		0.06	mg/kg	Glass		N/A
EPH (C10-C40)	CE033	Solvent extraction, GC-FID		10	mg/kg	Glass		N/A
Mineral Oil (C10-C40)	CE162	Solvent extraction, clean-up, GC-FID		10	mg/kg	Glass		*28 days
PCB (total of ICES 7)	CE137	Solvent extraction, GC-MS		0.045	mg/kg	Glass		N/A

TECHNICAL DETAILS SUMMARY

WAC TESTING

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WAC: PREPARED LEACHATES	METHOD	METHOD SUMMARY	STATUS	LOD	UNITS	CONTAINER	REQUIREMENTS	HOLDING TIME
Leachate preparation (single-stage)	CE002	BS12457-1 or BS12457-2		-	-	-	-	-
Leachate preparation (two-stage)	CE002	BS12457-3		-	-	-	-	-
Antimony (dissolved)	CE265	ICP-MS		0.8	µg/l Sb	Plastic		180 days
Arsenic (dissolved)	CE265	ICP-MS	U	0.1	µg/l As	Plastic		180 days
Barium (dissolved)	CE265	ICP-MS	U	0.9	µg/l Ba	Plastic		180 days
Cadmium (dissolved)	CE265	ICP-MS	U	0.1	µg/l Cd	Plastic		180 days
Chromium (dissolved)	CE265	ICP-MS	U	0.5	µg/l Cr	Plastic		180 days
Copper (dissolved)	CE265	ICP-MS	U	0.6	µg/l Cu	Plastic		180 days
Lead (dissolved)	CE265	ICP-MS	U	0.6	µg/l Pb	Plastic		180 days
Mercury (dissolved)	CE265	ICP-MS		0.05	µg/l Hg	Plastic		180 days
Molybdenum (dissolved)	CE265	ICP-MS		0.9	µg/l Mo	Plastic		180 days
Nickel (dissolved)	CE265	ICP-MS	U	0.4	µg/l Ni	Plastic		180 days
Selenium (dissolved)	CE265	ICP-MS	U	1.1	µg/l Se	Plastic		180 days
Zinc (dissolved)	CE265	ICP-MS	U	3	µg/l Zn	Plastic		180 days
pH	CE213	Based on BS 1377, pH Meter	U	-	units	Plastic,Glass		21 days
Electrical conductivity	CE214	Conductivity Meter	U	10	µS/cm	Plastic,Glass		21 days
Chloride	CE049	Ion Chromatography	U	1	mg/l	Plastic,Glass		28 days
Fluoride	CE049	Ion Chromatography	U	0.1	mg/l	Plastic,Glass		28 days
Sulphate	CE049	Ion Chromatography	U	10	mg/l	Plastic,Glass		28 days
Total dissolved solids	CE039	TDS meter		10	mg/l	Plastic,Glass		28 days
Dissolved Organic Carbon	CE247	Filtration, Combustion TOC analyser		5	mg/l	Plastic,Glass		28 days
Phenols (total)	CE148	Continuous Flow Colorimetry		10	µg/l	Plastic,Glass		28 days