

Validated
 Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
 » Shown on prev. report

Job Number: 09/10309/02/01
Client: Telford & Wrekin Council
Client Ref. No.:

Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
Cadmium Dissolved (ICP-MS)	<0.22										TM152 [#]	<0.22 ug/l
Mercury Dissolved (CVAF)	0.01										TM183 [#]	<0.01 ug/l
BOD	57										TM045 [#]	<1 mg/l
COD	900										TM107 [#]	<7 mg/l
Sulphide	<0.1										TM101	<0.1 mg/l
Total Ammonia as NH3	770										TM099 [#]	<0.2 mg/l
Total Suspended Solids	38										TM022 [#]	<2 mg/l
Phenols Monohydric	0.04										TM062 [#]	<0.01 mg/l
Total Cyanide	<0.05										TM153 [#]	<0.05 mg/l
Free Cyanide	<0.05										TM153	<0.05 mg/l
pH Value	8.54										TM133 [#]	<1.00 pH Units
Mineral Oil Aqueous	48										TM172 [#]	<10 ug/l

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Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
OCP												
Tecnazene	<10										TM144	<10 ng/l
Trifluralin	<10										TM144	<10 ng/l
Alpha-BHC (Lindane)	<10										TM144	<10 ng/l
Hexachlorobenzene	28										TM144	<10 ng/l
Beta-BHC (Lindane)	<10										TM144	<10 ng/l
Gamma-BHC (Lindane)	<10										TM144	<10 ng/l
Quintozene (PCNB)	<10										TM144	<10 ng/l
Triallate	<10										TM144	<10 ng/l
Chlorothalonil	<10										TM144	<10 ng/l
Heptachlor	<10										TM144	<10 ng/l
Aldrin	<10										TM144	<10 ng/l
Triadimefon	<10										TM144	<10 ng/l
Telodrin	<10										TM144	<10 ng/l
Isodrin	<10										TM144	<10 ng/l
Pendimethalin	<10										TM144	<10 ng/l
Heptachlor Epoxide	<10										TM144	<10 ng/l
trans-Chlordane	<10										TM144	<10 ng/l
o,p'-DDE	<10										TM144	<10 ng/l
Endosulphan I	<10										TM144	<10 ng/l
cis-Chlordane	<10										TM144	<10 ng/l
p,p'-DDE	<10										TM144	<10 ng/l
Dieldrin	<10										TM144	<10 ng/l
p,p'-TDE (DDD)	<10										TM144	<10 ng/l
Endrin	<10										TM144	<10 ng/l
Endosulphan II	<10										TM144	<10 ng/l
o,p'-TDE (DDD)	<10										TM144	<10 ng/l
o,p'-DDT	<10										TM144	<10 ng/l
p,p'-DDT	<10										TM144	<10 ng/l
Endosulphan sulphate	<10										TM144	<10 ng/l
o,p'-Methoxychlor	<10										TM144	<10 ng/l

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Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
OCP (cont)												
p,p'-Methoxychlor	<10										TM144	<10 ng/l
Permethrin I	<10										TM144	<10 ng/l
Permethrin II	<10										TM144	<10 ng/l

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Client Ref. No.:

Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID											Method Code	LoD/Units
Depth (m)	-												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	16.09.09												
Batch	1												
Sample Number(s)	1-13												
OPP													
Dichlorvos	<10											TM145	<10 ng/l
Mevinphos	<10											TM145	<10 ng/l
Dimethoate	<10											TM145	<10 ng/l
Propetamphos	<10											TM145	<10 ng/l
Diazinon	<10											TM145	<10 ng/l
Disulphoton	<10											TM145	<10 ng/l
Etrimphos	<10											TM145	<10 ng/l
Chlorpyriphos methyl	<10											TM145	<10 ng/l
Methyl Parathion	<10											TM145	<10 ng/l
Pirimiphos-methyl	<10											TM145	<10 ng/l
Fenitrothion	<10											TM145	<10 ng/l
Malathion	<10											TM145	<10 ng/l
Fenthion	<10											TM145	<10 ng/l
Chlorpyriphos	<10											TM145	<10 ng/l
Parathion	<10											TM145	<10 ng/l
Chlorfenvinphos	<10											TM145	<10 ng/l
Ethion	<10											TM145	<10 ng/l
Triazophos	<10											TM145	<10 ng/l
Carbophenothion	<10											TM145	<10 ng/l
Phosalone	<10											TM145	<10 ng/l
Azinphos-methyl	<10											TM145	<10 ng/l
Azinphos-ethyl	<10											TM145	<10 ng/l

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Client: Telford & Wrekin Council **Location:** Stoney Hill Landfill
Client Ref. No.: **Client Contact:** [REDACTED]

Sample Identity	NO ID									Method Code	LoD/Units
Depth (m)	-										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	16.09.09										
Batch	1										
Sample Number(s)	1-13										
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1									TM176	<1 ug/l
2-Methylphenol	<1									TM176	<1 ug/l
2-Nitrophenol	<1									TM176	<1 ug/l
2,4-Dichlorophenol	<1									TM176	<1 ug/l
2,4-Dimethylphenol	<1									TM176	<1 ug/l
2,4,5-Trichlorophenol	<1									TM176	<1 ug/l
2,4,6-Trichlorophenol	<1									TM176	<1 ug/l
4-Chloro-3-methylphenol	<1									TM176	<1 ug/l
4-Methylphenol	<1									TM176	<1 ug/l
4-Nitrophenol	<1									TM176	<1 ug/l
Pentachlorophenol	<1									TM176	<1 ug/l
Phenol	<1									TM176	<1 ug/l

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Client Ref. No.:

Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
PAHs												
2-Chloronaphthalene	<1										TM176	<1 ug/l
2-Methylnaphthalene	<1										TM176	<1 ug/l
Acenaphthene	<1										TM176	<1 ug/l
Acenaphthylene	<1										TM176	<1 ug/l
Anthracene	<1										TM176	<1 ug/l
Benzo(a)anthracene	<1										TM176	<1 ug/l
Benzo(a)pyrene	<1										TM176	<1 ug/l
Benzo(b)fluoranthene	<1										TM176	<1 ug/l
Benzo(ghi)perylene	<1										TM176	<1 ug/l
Benzo(k)fluoranthene	<1										TM176	<1 ug/l
Chrysene	<1										TM176	<1 ug/l
Dibenzo(a,h)anthracene	<1										TM176	<1 ug/l
Fluoranthene	<1										TM176	<1 ug/l
Fluorene	<1										TM176	<1 ug/l
Indeno(1,2,3-cd)pyrene	<1										TM176	<1 ug/l
Naphthalene	<1										TM176	<1 ug/l
Phenanthrene	<1										TM176	<1 ug/l
Pyrene	<1										TM176	<1 ug/l
Phthalates												
Bis(2-ethylhexyl) phthalate	5										TM176	<2 ug/l
Butylbenzyl phthalate	<1										TM176	<1 ug/l
Di-n-butyl phthalate	<2										TM176	<1 ug/l
Di-n-Octyl phthalate	<5										TM176	<5 ug/l
Diethyl phthalate	<2										TM176	<1 ug/l
Dimethyl phthalate	<1										TM176	<1 ug/l
Other Semi-volatiles												
1,2-Dichlorobenzene	<1										TM176	<1 ug/l
1,2,4-Trichlorobenzene	<1										TM176	<1 ug/l

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Client Ref. No.:

Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
Other Semi-volatiles (cont)												
1,3-Dichlorobenzene	<1										TM176	<1 ug/l
1,4-Dichlorobenzene	1										TM176	<1 ug/l
2-Nitroaniline	<1										TM176	<1 ug/l
2,4-Dinitrotoluene	<1										TM176	<1 ug/l
2,6-Dinitrotoluene	<1										TM176	<1 ug/l
3-Nitroaniline	<1										TM176	<1 ug/l
4-Bromophenylphenylether	<1										TM176	<1 ug/l
4-Chloroaniline	<1										TM176	<1 ug/l
4-Chlorophenylphenylether	<1										TM176	<1 ug/l
4-Nitroaniline	<1										TM176	<1 ug/l
Azobenzene	<1										TM176	<1 ug/l
Bis(2-chloroethoxy)methane	<1										TM176	<1 ug/l
Bis(2-chloroethyl)ether	<1										TM176	<1 ug/l
Carbazole	<1										TM176	<1 ug/l
Dibenzofuran	<1										TM176	<1 ug/l
Hexachlorobenzene	<1										TM176	<1 ug/l
Hexachlorobutadiene	<1										TM176	<1 ug/l
Hexachlorocyclopentadiene	<2										TM176	<1 ug/l
Hexachloroethane	<1										TM176	<1 ug/l
Isophorone	2										TM176	<1 ug/l
N-nitrosodi-n-propylamine	<1										TM176	<1 ug/l
Nitrobenzene	<1										TM176	<1 ug/l
Triazine Herbicides by GCMS												
Atrazine	<1										PENDING	<1 ug/l
Simazine	<1										PENDING	<1 ug/l

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Client Ref. No.:

Matrix: LIQUID
Location: Stoney Hill Landfill
Client Contact: [REDACTED]

Sample Identity	NO ID											Method Code	LoD/Units
Depth (m)	-												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	16.09.09												
Batch	1												
Sample Number(s)	1-13												
Volatile Organic Compounds													
Dibromofluoromethane % Surrogate Recovery	97											TM208	%
Toluene-d8 % Surrogate Recovery	100											TM208	%
4-Bromofluorobenzene % Surrogate Recovery	110											TM208	%
Dichlorodifluoromethane	<1											TM208 [#]	<1 ug/l
Chloromethane	<1											TM208 [#]	<1 ug/l
Vinyl Chloride	<1											TM208 [#]	<1 ug/l
Bromomethane	<2											TM208 [#]	<2 ug/l
Chloroethane	<2											TM208 [#]	<2 ug/l
Trichlorofluoromethane	<2											TM208 [#]	<2 ug/l
trans-1-2-Dichloroethene	<2											TM208 [#]	<2 ug/l
Dichloromethane	<3											TM208 [#]	<3 ug/l
Carbon Disulphide	<2											TM208 [#]	<2 ug/l
1,1-Dichloroethene	<1											TM208 [#]	<1 ug/l
1,1-Dichloroethane	<1											TM208 [#]	<1 ug/l
Methyl Tertiary Butyl Ether	<2											TM208 [#]	<2 ug/l
cis-1-2-Dichloroethene	<2											TM208 [#]	<2 ug/l
Bromochloromethane	<2											TM208 [#]	<2 ug/l
Chloroform	<2											TM208 [#]	<2 ug/l
2,2-Dichloropropane	<1											TM208	<1 ug/l
1,2-Dichloroethane	<4											TM208 [#]	<4 ug/l
1,1,1-Trichloroethane	<1											TM208 [#]	<1 ug/l
1,1-Dichloropropene	<1											TM208 [#]	<1 ug/l
Benzene	<1											TM208 [#]	<1 ug/l
Carbontetrachloride	<1											TM208 [#]	<1 ug/l
Dibromomethane	<3											TM208 [#]	<3 ug/l
1,2-Dichloropropane	<3											TM208 [#]	<3 ug/l
Bromodichloromethane	<1											TM208 [#]	<1 ug/l
Trichloroethene	<2											TM208 [#]	<2 ug/l
cis-1-3-Dichloropropene	<2											TM208 [#]	<2 ug/l
trans-1-3-Dichloropropene	<3											TM208 [#]	<3 ug/l

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Client: Telford & Wrekin Council

Location: Stoney Hill Landfill

Client Ref. No.:

Client Contact: [REDACTED]

Sample Identity	NO ID										Method Code	LoD/Units
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	16.09.09											
Batch	1											
Sample Number(s)	1-13											
Volatile Organic Compounds (cont)												
1.1.2-Trichloroethane	<2										TM208 [#]	<2 ug/l
Toluene	4										TM208 [#]	<1 ug/l
1.3-Dichloropropane	<2										TM208 [#]	<2 ug/l
Dibromochloromethane	<2										TM208 [#]	<2 ug/l
1.2-Dibromoethane	<2										TM208 [#]	<2 ug/l
Tetrachloroethene	<2										TM208 [#]	<2 ug/l
1.1.1.2-Tetrachloroethane	<1										TM208 [#]	<1 ug/l
Chlorobenzene	<4										TM208 [#]	<4 ug/l
Ethylbenzene	7										TM208 [#]	<2 ug/l
p/m-Xylene	3										TM208 [#]	<2 ug/l
Bromoform	<3										TM208 [#]	<3 ug/l
Styrene	<1										TM208 [#]	<1 ug/l
1.1.2.2-Tetrachloroethane	<5										TM208 [#]	<5 ug/l
o-Xylene	6										TM208 [#]	<1 ug/l
1.2.3-Trichloropropane	<9										TM208 [#]	<9 ug/l
Isopropylbenzene	<2										TM208 [#]	<2 ug/l
Bromobenzene	<1										TM208 [#]	<1 ug/l
2-Chlorotoluene	<2										TM208 [#]	<2 ug/l
Propylbenzene	<3										TM208 [#]	<3 ug/l
4-Chlorotoluene	<2										TM208 [#]	<2 ug/l
1.2.4-Trimethylbenzene	<1										TM208 [#]	<1 ug/l
4-Isopropyltoluene	<3										TM208 [#]	<3 ug/l
1.3.5-Trimethylbenzene	1										TM208 [#]	<1 ug/l
1.2-Dichlorobenzene	<3										TM208 [#]	<3 ug/l
1.4-Dichlorobenzene	<1										TM208 [#]	<1 ug/l
sec-Butylbenzene	<1										TM208 [#]	<1 ug/l
tert-Butylbenzene	<2										TM208 [#]	<2 ug/l
1.3-Dichlorobenzene	<2										TM208 [#]	<2 ug/l
n-Butylbenzene	<2										TM208 [#]	<2 ug/l
1.2-Dibromo-3-chloropropane	<10										TM208 [#]	<10 ug/l

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Table Of Results - Appendix

Job Number: 09/10309/02/01
Client: Telford & Wrekin Council
Client Ref. No.:

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10⁻⁷

NDP	No Determination Possible	*	Subcontracted test
ACM	Asbestos Containing Materia	>>	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
		EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	Accredited	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
PENDING		method details are pending				NA	
TM022	Method 2540D, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part120 1981;BS EN 872	Determination of total suspended solids in waters	✓			NA	
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) by Oxygen Meter	✓			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓			NA	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	✓			NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser				NA	
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit	✓			NA	
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	✓			NA	
TM144	Modified: US EPA Method 8081A	Organochlorine pesticides by GC-MS				NA	
TM145	MEWAM BOOK 60 1980,95 1985, HMSO / Modified: US EPA Method 8141A	Organophosphorus pesticides by GC-MS				NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓			NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser				NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓			NA	
TM172		EPH in Waters	✓			NA	

¹ Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.
WET indicates samples analysed as submitted.

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Client: Telford & Wrekin Council
Client Ref. No.:

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10⁻⁷

NDP	No Determination Possible	*	Subcontracted test
ACM	Asbestos Containing Material	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
		EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM176		Determination of SVOCs in Water by GCMS			NA	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	✓		NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	

¹ Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.
WET indicates samples analysed as submitted.

