

Analytical Services
Torrington Avenue,
Coventry, CV4 9GU

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www.stsanalytical.com

██████████
Telford & Wrekin Council
Lawn Central
Darby House
Telford TF3 4JA
Shropshire

02 September 2011

Test Report: COV/796998/2011

Dear ██████████

Analysis of your sample(s) submitted on 04 August 2011 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out is included with this report.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using Severn Trent Services and we look forward to receiving your next samples.

Yours Sincerely,

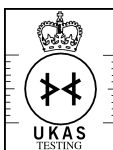
Signed: ██████████

Name: ██████████

Title: Organics Operations Manager



Report Summary



1314
1229
0897
4409



Telford & Wrekin Council
Lawn Central
Darby House
Telford
Shropshire
TF3 4JA

Date of Issue: **02 September 2011**

Report Number: **COV/796998/2011**

Issue **1**

Job Description: Stoneyhill Landfill Monitoring

Job Location: Stoneyhill Landfill Monitoring

Number of Samples
included in this report **12**

Job Received: **04 August 2011**

Number of Test Results
included in this report **1356**

Analysis Commenced: **04 August 2011**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **02 September 2011**

Title:

Organics Operations Manager

Severn Trent Services was not responsible for sampling unless otherwise stated. Sampling is not covered by our UKAS accreditation.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	1.90	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.062	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	<0.0006	mg/l	Y Cov	WAS049
Calcium , Total as Ca	151	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0007	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.007	mg/l	Y Cov	WAS049
Iron , Total as Fe	0.21	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	<0.19	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	49.5	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	4.7	mg/l	N Cov	CALC
Lead , Total as Pb	<0.005	mg/l	Y Cov	WAS049
Manganese , Total as Mn	0.323	mg/l	Y Cov	WAS049
Mercury, Total as Hg	0.0003	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.007	mg/l	Y Cov	WAS049
Potassium , Total as K	13.2	mg/l	Y Cov	WAS049
Sodium , Total as Na	106	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.017	mg/l	Y Cov	WAS049
pH	7.6	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	1350	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	537	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	2.57	mg/l	Y Cov	WAS036
Chloride as Cl	128	mg/l	Y Cov	WAS036
Nitrite as N	<0.006	mg/l	Y Cov	WAS036
Nitrate as N	0.31	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	<0.08	mg/l	Y Cov	WAS036
Sulphate as SO4	<1.0	mg/l	Y Cov	WAS036
Suspended Solids	2380	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	15	mg/l	Y Cov	WAS001
COD (1 hr settled)	80	mg/l	Y Cov	WAS040
TOC (Filtered)	20.4	mg/l	Y Cov	WAS005
Cyanide, Total as CN	11	ug/l	Y Cov	WAS018

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Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.05	mg/l	Y Cov	WAS033
Fluoride as F	0.4	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	<6	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	<4	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	<8	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	<0.004	ug/l	Y Cov	GEO47
Dimethoate	<0.040	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.040	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.040	ug/l	Y Cov	GEO47
Simazine	<0.040	ug/l	Y Cov	GEO47
Terbutryn	<0.040	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	<10.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	<10.0	mg/l	Y Cov	CON17
Volatile acids, Total	<20.0	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	<1.0	ug/l	Y Cov	GEO32
Chloromethane	<1.0	ug/l	Y Cov	GEO32

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Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<1.0	ug/l	Y Cov	GEO32
Bromomethane	<1.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
Dichloromethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<1.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Chloroform	<1.0	ug/l	Y Cov	GEO32
Bromochloromethane	<1.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<1.0	ug/l	Y Cov	GEO32
Benzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Trichloroethene	<1.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<1.0	ug/l	Y Cov	GEO32
Dibromomethane	<1.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
Toluene	<1.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<1.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<1.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<0.5	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<1.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<1.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<1.0	ug/l	Y Cov	GEO32
Chlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<1.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<1.0	ug/l	Y Cov	GEO32
m&p-Xylene	<1.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<1.0	ug/l	Y Cov	GEO32
Styrene	<1.0	ug/l	Y Cov	GEO32
Bromoform	<1.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<1.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<1.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<1.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<1.0	ug/l	Y Cov	GEO32
Bromobenzene	<1.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<1.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<1.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<1.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<1.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<1.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<2.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO32
Naphthalene	<1.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO32
MTBE	<1.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	101.4	%Recovery	N Cov	GEO32
Toluene-d8	99.2	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	94.7	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	5.4	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

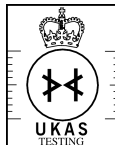
Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<1.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	19.4	ug/l	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	Y Cov	GEO40
Isophorone	<1.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<1.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Naphthalene	<2.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	Y Cov	GEO40

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Issue **1**

Laboratory Number: **12528345**

Sample **1** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 09:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<1.0	ug/l	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	Y Cov	GEO40
Anthracene	<1.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	Y Cov	GEO40
Pyrene	<1.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	Y Cov	GEO40
Chrysene	<1.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	Y Cov	GEO40
2-Fluorophenol	96.8	%Recovery	N Cov	GEO40
Phenol-d6	98.2	%Recovery	N Cov	GEO40
Nitrobenzene-d5	90.7	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	92.7	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	81.0	%Recovery	N Cov	GEO40
Terphenyl-d14	101.0	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.006	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0029	mg/l	Y Cov	WAS051
Methane, Dissolved	1.4	mg/l	N Cov	62

Analyst Comments for 12528345:

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The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.

Integrity breach between Fe (Total, Ferric and Ferrous), results confirmed by repeat analysis.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:



Name:



Date: **02 September 2011**

Title:

Organics Operations Manager

Certificate of Analysis



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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	15.5	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.371	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	<0.0006	mg/l	Y Cov	WAS049
Calcium , Total as Ca	118	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0500	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.021	mg/l	Y Cov	WAS049
Iron , Total as Fe	8.62	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	2.02	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	7.25	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	<0.5	mg/l	N Cov	CALC
Lead , Total as Pb	0.018	mg/l	Y Cov	WAS049
Manganese , Total as Mn	0.346	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.135	mg/l	Y Cov	WAS049
Potassium , Total as K	621	mg/l	Y Cov	WAS049
Sodium , Total as Na	1270	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.087	mg/l	Y Cov	WAS049
pH	8.4	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	12800	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	4000	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	988	mg/l	Y Cov	WAS055
Chloride as Cl	2870	mg/l	Y Cov	WAS036
Nitrite as N	0.012	mg/l	Y Cov	WAS036
Nitrate as N	<0.29	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	1.79	mg/l	Y Cov	WAS036
Sulphate as SO4	24.2	mg/l	Y Cov	WAS036
Suspended Solids	96.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	108	mg/l	Y Cov	WAS001
COD (1 hr settled)	1520	mg/l	Y Cov	WAS040
TOC (Filtered)	444	mg/l	Y Cov	WAS005
Cyanide, Total as CN	11	ug/l	Y Cov	WAS018

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.08	mg/l	Y Cov	WAS033
Fluoride as F	0.9	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	26	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	126	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	24	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	105	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	<8	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	Analyst Comment	ug/l	Y Cov	GEO47
Dimethoate	Analyst Comment	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.040	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.040	ug/l	Y Cov	GEO47
Simazine	<0.040	ug/l	Y Cov	GEO47
Terbutryn	<0.040	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	<10.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	<10.0	mg/l	Y Cov	CON17
Volatile acids, Total	<20.0	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	<10.0	ug/l	Y Cov	GEO32
Chloromethane	<10.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<10.0	ug/l	Y Cov	GEO32
Bromomethane	<10.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
Dichloromethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<10.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Chloroform	<10.0	ug/l	Y Cov	GEO32
Bromochloromethane	<10.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<10.0	ug/l	Y Cov	GEO32
Benzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Trichloroethene	<10.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<10.0	ug/l	Y Cov	GEO32
Dibromomethane	<10.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
Toluene	<10.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<10.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<10.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<5.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<10.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<10.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<10.0	ug/l	Y Cov	GEO32
Chlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<10.0	ug/l	Y Cov	GEO32
Ethyl Benzene	27.4	ug/l	Y Cov	GEO32
m&p-Xylene	43.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	19.7	ug/l	Y Cov	GEO32
Styrene	<10.0	ug/l	Y Cov	GEO32
Bromoform	<10.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<10.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<10.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<10.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<10.0	ug/l	Y Cov	GEO32
Bromobenzene	<10.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<10.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<10.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<10.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	11.6	ug/l	Y Cov	GEO32
sec-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<10.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<20.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO32
Naphthalene	11.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO32
MTBE	<10.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	98.9	%Recovery	N Cov	GEO32
Toluene-d8	99.9	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	92.7	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	1.5	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<1.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	1.4	ug/l	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	2.7	ug/l	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	Y Cov	GEO40
Isophorone	<1.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	3.5	ug/l	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Naphthalene	5.8	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	1.8	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528346**

Sample **2** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 13:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<1.0	ug/l	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	Y Cov	GEO40
Anthracene	<1.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	Y Cov	GEO40
Pyrene	<1.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	Y Cov	GEO40
Chrysene	<1.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	Y Cov	GEO40
2-Fluorophenol	92.0	%Recovery	N Cov	GEO40
Phenol-d6	93.7	%Recovery	N Cov	GEO40
Nitrobenzene-d5	95.8	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	98.5	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	91.9	%Recovery	N Cov	GEO40
Terphenyl-d14	103.5	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.046	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0195	mg/l	Y Cov	WAS051
Methane, Dissolved	12	mg/l	N Cov	62

Analyst Comments for 12528346:

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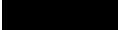
The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.

Results for Dimethoate and Dishlorvos are unavailable due to AQC breaches.
Default. VOC reporting limits raised due to nature of sample matrix.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed: 	Name: 	Date: 02 September 2011
	Title: Organics Operations Manager	

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	0.48	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.064	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0026	mg/l	Y Cov	WAS049
Calcium , Total as Ca	447	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0056	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.009	mg/l	Y Cov	WAS049
Iron , Total as Fe	140	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	22.2	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	7.4	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	21.3	mg/l	N Cov	CALC
Lead , Total as Pb	0.026	mg/l	Y Cov	WAS049
Manganese , Total as Mn	93.4	mg/l	Y Cov	WAS049
Mercury, Total as Hg	0.0002	mg/l	Y Cov	WAS013
Nickel , Total as Ni	1.29	mg/l	Y Cov	WAS049
Potassium , Total as K	22.3	mg/l	Y Cov	WAS049
Sodium , Total as Na	47.9	mg/l	Y Cov	WAS049
Zinc, Total as Zn	4.81	mg/l	Y Cov	WAS049
pH	4.9	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	2630	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	27.5	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	2.79	mg/l	Y Cov	WAS036
Chloride as Cl	50.0	mg/l	Y Cov	WAS036
Nitrite as N	<0.006	mg/l	Y Cov	WAS036
Nitrate as N	<0.29	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	<0.08	mg/l	Y Cov	WAS036
Sulphate as SO4	2130	mg/l	Y Cov	WAS036
Suspended Solids	1100	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	17	mg/l	Y Cov	WAS001
COD (1 hr settled)	140	mg/l	Y Cov	WAS040
TOC (Filtered)	1.58	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.03	mg/l	Y Cov	WAS033
Fluoride as F	0.4	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	<6	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	<4	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	<8	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	Analyst Comment	ug/l	Y Cov	GEO47
Dimethoate	Analyst Comment	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.040	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.040	ug/l	Y Cov	GEO47
Simazine	<0.040	ug/l	Y Cov	GEO47
Terbutryn	<0.040	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	<10.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	<10.0	mg/l	Y Cov	CON17
Volatile acids, Total	<20.0	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	<1.0	ug/l	Y Cov	GEO32
Chloromethane	<1.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<1.0	ug/l	Y Cov	GEO32
Bromomethane	<1.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
Dichloromethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<1.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Chloroform	<1.0	ug/l	Y Cov	GEO32
Bromochloromethane	<1.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<1.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<1.0	ug/l	Y Cov	GEO32
Benzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Trichloroethene	<1.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<1.0	ug/l	Y Cov	GEO32
Dibromomethane	<1.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
Toluene	<1.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<1.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<1.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<1.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<0.5	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<1.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<1.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<1.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<1.0	ug/l	Y Cov	GEO32
Chlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<1.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<1.0	ug/l	Y Cov	GEO32
m&p-Xylene	<1.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<1.0	ug/l	Y Cov	GEO32
Styrene	<1.0	ug/l	Y Cov	GEO32
Bromoform	<1.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<1.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<1.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<1.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<1.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<1.0	ug/l	Y Cov	GEO32
Bromobenzene	<1.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<1.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<1.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<1.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<1.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<1.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<2.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO32
Naphthalene	<1.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO32
MTBE	<1.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	100.8	%Recovery	N Cov	GEO32
Toluene-d8	99.5	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	94.5	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<1.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	<1.0	ug/l	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	Y Cov	GEO40
Isophorone	<1.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<1.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Naphthalene	<2.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528347**

Sample **3** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<1.0	ug/l	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	Y Cov	GEO40
Anthracene	<1.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	Y Cov	GEO40
Pyrene	<1.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	Y Cov	GEO40
Chrysene	<1.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	Y Cov	GEO40
2-Fluorophenol	90.3	%Recovery	N Cov	GEO40
Phenol-d6	74.0	%Recovery	N Cov	GEO40
Nitrobenzene-d5	87.6	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	90.3	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	83.3	%Recovery	N Cov	GEO40
Terphenyl-d14	101.9	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.003	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0022	mg/l	Y Cov	WAS051
Methane, Dissolved	0.037	mg/l	N Cov	62

Analyst Comments for 12528347:

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The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.

Results for Dimethoate and Dichlorvos are unavailable due to AQC breaches.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed:



Name:



Date: **02 September 2011**

Title:

Organics Operations Manager

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	3.55	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.060	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	<0.0006	mg/l	Y Cov	WAS049
Calcium , Total as Ca	248	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0022	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.006	mg/l	Y Cov	WAS049
Iron , Total as Fe	36.9	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	0.23	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	16.4	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	3.3	mg/l	N Cov	CALC
Lead , Total as Pb	<0.005	mg/l	Y Cov	WAS049
Manganese , Total as Mn	8.96	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.022	mg/l	Y Cov	WAS049
Potassium , Total as K	111	mg/l	Y Cov	WAS049
Sodium , Total as Na	266	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.026	mg/l	Y Cov	WAS049
pH	7.2	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	3740	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	1020	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	125	mg/l	Y Cov	WAS036
Chloride as Cl	471	mg/l	Y Cov	WAS036
Nitrite as N	<0.006	mg/l	Y Cov	WAS036
Nitrate as N	<0.29	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	<0.08	mg/l	Y Cov	WAS036
Sulphate as SO4	104	mg/l	Y Cov	WAS036
Suspended Solids	796	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	13	mg/l	Y Cov	WAS001
COD (1 hr settled)	292	mg/l	Y Cov	WAS040
TOC (Filtered)	63.7	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	<0.029	mg/l	Y Cov	WAS033
Fluoride as F	0.4	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	<6	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	28	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	<8	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	Analyst Comment	ug/l	Y Cov	GEO47
Dimethoate	Analyst Comment	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.040	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.040	ug/l	Y Cov	GEO47
Simazine	<0.040	ug/l	Y Cov	GEO47
Terbutryn	<0.040	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	<10.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	<10.0	mg/l	Y Cov	CON17
Volatile acids, Total	<20.0	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	7.9	ug/l	Y Cov	GEO32
Chloromethane	<2.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<2.0	ug/l	Y Cov	GEO32
Bromomethane	<2.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<2.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
Dichloromethane	<2.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<2.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Chloroform	<2.0	ug/l	Y Cov	GEO32
Bromochloromethane	<2.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<2.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<2.0	ug/l	Y Cov	GEO32
Benzene	2.3	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Trichloroethene	<2.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<2.0	ug/l	Y Cov	GEO32
Dibromomethane	<2.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
Toluene	<2.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<2.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<2.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<1.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<2.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<2.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<2.0	ug/l	Y Cov	GEO32
Chlorobenzene	2.8	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<2.0	ug/l	Y Cov	GEO32
Ethyl Benzene	11.6	ug/l	Y Cov	GEO32
m&p-Xylene	10.9	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	3.0	ug/l	Y Cov	GEO32
Styrene	<2.0	ug/l	Y Cov	GEO32
Bromoform	<2.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<2.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<2.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<2.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<2.0	ug/l	Y Cov	GEO32
Bromobenzene	<2.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<2.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<2.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<2.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	3.1	ug/l	Y Cov	GEO32
sec-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<2.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<4.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<2.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<2.0	ug/l	Y Cov	GEO32
Naphthalene	<2.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<2.0	ug/l	Y Cov	GEO32
MTBE	<2.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	100.3	%Recovery	N Cov	GEO32
Toluene-d8	99.4	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	94.8	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<1.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	1.9	ug/l	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	1.4	ug/l	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	Y Cov	GEO40
Isophorone	<1.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	2.1	ug/l	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Naphthalene	<2.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	2.3	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528348**

Sample **4** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 14:00**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<1.0	ug/l	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	Y Cov	GEO40
Anthracene	<1.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	Y Cov	GEO40
Pyrene	<1.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	Y Cov	GEO40
Chrysene	<1.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	Y Cov	GEO40
2-Fluorophenol	88.7	%Recovery	N Cov	GEO40
Phenol-d6	89.1	%Recovery	N Cov	GEO40
Nitrobenzene-d5	94.8	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	91.9	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	91.3	%Recovery	N Cov	GEO40
Terphenyl-d14	63.0	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.011	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0063	mg/l	Y Cov	WAS051
Methane, Dissolved	11	mg/l	N Cov	62

Analyst Comments for 12528348:

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The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.
Results for Dimethoate and Dichlorvos are unavailable due to AQC breaches.
VOC reporting limits raised due to nature of sample matrix.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed: 	Name: 	Date: 02 September 2011
	Title: Organics Operations Manager	

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	7.81	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.230	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	<0.0006	mg/l	Y Cov	WAS049
Calcium , Total as Ca	133	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0590	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.025	mg/l	Y Cov	WAS049
Iron , Total as Fe	11.6	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	2.14	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	3.0	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	<0.5	mg/l	N Cov	CALC
Lead , Total as Pb	0.012	mg/l	Y Cov	WAS049
Manganese , Total as Mn	0.394	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.108	mg/l	Y Cov	WAS049
Potassium , Total as K	709	mg/l	Y Cov	WAS049
Sodium , Total as Na	900	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.072	mg/l	Y Cov	WAS049
pH	7.7	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	10100	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	4290	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	748	mg/l	Y Cov	WAS055
Chloride as Cl	1370	mg/l	Y Cov	WAS036
Nitrite as N	<0.006	mg/l	Y Cov	WAS036
Nitrate as N	<0.29	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	1.91	mg/l	Y Cov	WAS036
Sulphate as SO4	75.5	mg/l	Y Cov	WAS036
Suspended Solids	376	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	340	mg/l	Y Cov	WAS001
COD (1 hr settled)	1370	mg/l	Y Cov	WAS040
TOC (Filtered)	300	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	2.13	mg/l	Y Cov	WAS033
Fluoride as F	0.7	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	72	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	<22	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	27	ng/l	Y Cov	GEO47
Dieldrin	<16	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	127	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	<0.008	ug/l	Y Cov	GEO47
Dimethoate	Analyst Comment	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.080	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.080	ug/l	Y Cov	GEO47
Simazine	<0.080	ug/l	Y Cov	GEO47
Terbutryn	<0.080	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	20.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	11.3	mg/l	Y Cov	CON17
Volatile acids, Total	31.3	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	<10.0	ug/l	Y Cov	GEO32
Chloromethane	<10.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<10.0	ug/l	Y Cov	GEO32
Bromomethane	<10.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
Dichloromethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<10.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Chloroform	<10.0	ug/l	Y Cov	GEO32
Bromochloromethane	<10.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<10.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<10.0	ug/l	Y Cov	GEO32
Benzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Trichloroethene	<10.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<10.0	ug/l	Y Cov	GEO32
Dibromomethane	<10.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
Toluene	12.2	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<10.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<10.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<10.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<5.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<10.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<10.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<10.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<10.0	ug/l	Y Cov	GEO32
Chlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<10.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<10.0	ug/l	Y Cov	GEO32
m&p-Xylene	45.8	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	13.4	ug/l	Y Cov	GEO32
Styrene	<10.0	ug/l	Y Cov	GEO32
Bromoform	<10.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<10.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<10.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<10.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<10.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<10.0	ug/l	Y Cov	GEO32
Bromobenzene	<10.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<10.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<10.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<10.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	14.5	ug/l	Y Cov	GEO32
sec-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<10.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<20.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO32
Naphthalene	<10.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO32
MTBE	<10.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	102.4	%Recovery	N Cov	GEO32
Toluene-d8	99.3	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	96.4	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	156	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<20.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<20.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO40
2-Methylphenol	<20.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	102	ug/l	N Cov	GEO40
Dibenzofuran	<20.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<20.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<20.0	ug/l	Y Cov	GEO40
Hexachloroethane	<20.0	ug/l	Y Cov	GEO40
Nitrobenzene	<20.0	ug/l	Y Cov	GEO40
Isophorone	<20.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	29.2	ug/l	Y Cov	GEO40
2-Nitrophenol	<20.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<20.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<20.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<20.0	ug/l	Y Cov	GEO40
Naphthalene	<40.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<20.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<20.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<20.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<20.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<20.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<20.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<20.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<20.0	ug/l	Y Cov	GEO40
Acenaphthylene	<20.0	ug/l	Y Cov	GEO40
Acenaphthene	<20.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<20.0	ug/l	Y Cov	GEO40
Diethylphthalate	<20.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<100	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<20.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528349**

Sample **5** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 11:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<20.0	ug/l	Y Cov	GEO40
Diphenylamine	<20.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<20.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<20.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<20.0	ug/l	Y Cov	GEO40
Phenanthrene	<20.0	ug/l	Y Cov	GEO40
Anthracene	<20.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<20.0	ug/l	Y Cov	GEO40
Fluoranthene	<20.0	ug/l	Y Cov	GEO40
Pyrene	<20.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<20.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<20.0	ug/l	Y Cov	GEO40
Chrysene	<20.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<100	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<20.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<20.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<20.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<20.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<20.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<20.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<20.0	ug/l	Y Cov	GEO40
2-Fluorophenol	93.0	%Recovery	N Cov	GEO40
Phenol-d6	93.1	%Recovery	N Cov	GEO40
Nitrobenzene-d5	94.6	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	92.6	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	93.7	%Recovery	N Cov	GEO40
Terphenyl-d14	100.8	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.026	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0188	mg/l	Y Cov	WAS051
Methane, Dissolved	8.7	mg/l	N Cov	62

Analyst Comments for 12528349:

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The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.

Reporting limits raised for some GCMSMS Pesticide results as sample required re-extraction and there was a limited sample volume remaining. Result for Dimethoate is unavailable due to AQC breach.

Raised reporting limits for SVOCs due to sample matrix.



VOC reporting limits raised due to nature of sample matrix.

Reporting limit raised further for b-HCH due to matrix interference.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed: 	Name: 	Date: 02 September 2011
	Title: Organics Operations Manager	

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	1.71	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.059	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0012	mg/l	Y Cov	WAS049
Calcium , Total as Ca	154	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0061	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.009	mg/l	Y Cov	WAS049
Iron , Total as Fe	1.08	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	<0.19	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	<0.5	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	<0.5	mg/l	N Cov	CALC
Lead , Total as Pb	0.007	mg/l	Y Cov	WAS049
Manganese , Total as Mn	0.345	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.014	mg/l	Y Cov	WAS049
Potassium , Total as K	71.8	mg/l	Y Cov	WAS049
Sodium , Total as Na	172	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.015	mg/l	Y Cov	WAS049
pH	7.4	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	2730	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	1030	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	84.7	mg/l	Y Cov	WAS036
Chloride as Cl	223	mg/l	Y Cov	WAS036
Nitrite as N	<0.006	mg/l	Y Cov	WAS036
Nitrate as N	<0.29	mg/l	Y Cov	WAS036
Phosphate, Ortho as P	<0.08	mg/l	Y Cov	WAS036
Sulphate as SO4	83.3	mg/l	Y Cov	WAS036
Suspended Solids	102	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	<1	mg/l	Y Cov	WAS001
COD (1 hr settled)	177	mg/l	Y Cov	WAS040
TOC (Filtered)	48.4	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **COV/796998/2011**

Laboratory Number: **12528350**

Issue **1**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.06	mg/l	Y Cov	WAS033
Fluoride as F	0.4	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	45	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
Aldrin	<8	ng/l	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	Y Cov	GEO47
alpha-HCH	<6	ng/l	Y Cov	GEO47
beta-Endosulphan	<8	ng/l	Y Cov	GEO47
beta-HCH	<6	ng/l	Y Cov	GEO47
alpha-Chlordane	<4	ng/l	Y Cov	GEO47
Dichlobenil	9	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	<8	ng/l	N Cov	GEO47
gamma-HCH	<6	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<4	ng/l	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<14	ng/l	Y Cov	GEO47
Isodrin	<8	ng/l	Y Cov	GEO47
o,p - DDE	<4	ng/l	Y Cov	GEO47
p,p - DDE	<4	ng/l	Y Cov	GEO47
o,p - TDE	<4	ng/l	Y Cov	GEO47
p,p - TDE	<4	ng/l	Y Cov	GEO47
o,p - DDT	<4	ng/l	Y Cov	GEO47
p,p - DDT	<4	ng/l	Y Cov	GEO47
Tecnazene	<20	ng/l	Y Cov	GEO47
gamma-Chlordane	<8	ng/l	Y Cov	GEO47
Triallate	<20	ng/l	Y Cov	GEO47
Trifluralin	<60	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.008	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	Y Cov	GEO47

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.004	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	Y Cov	GEO47
Diazinon	<0.006	ug/l	Y Cov	GEO47
Dichlorvos	Analyst Comment	ug/l	Y Cov	GEO47
Dimethoate	Analyst Comment	ug/l	Y Cov	GEO47
Fenitrothion	<0.004	ug/l	Y Cov	GEO47
Fenthion	<0.004	ug/l	Y Cov	GEO47
Malathion	<0.008	ug/l	Y Cov	GEO47
Mevinphos	<0.040	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.006	ug/l	Y Cov	GEO47
Parathion-methyl	<0.006	ug/l	Y Cov	GEO47
Phorate	<0.008	ug/l	Y Cov	GEO47
Phosalone	<0.008	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.010	ug/l	Y Cov	GEO47
Propetamphos	<0.006	ug/l	Y Cov	GEO47
Triazophos	<0.004	ug/l	Y Cov	GEO47
Atrazine	<0.040	ug/l	Y Cov	GEO47
Prometryne	<0.040	ug/l	Y Cov	GEO47
Propazine	<0.040	ug/l	Y Cov	GEO47
Simazine	<0.040	ug/l	Y Cov	GEO47
Terbutryn	<0.040	ug/l	Y Cov	GEO47
Trietazine	<0.020	ug/l	Y Cov	GEO47
Acetic acid	<10.0	mg/l	Y Cov	CON17
Iso-butyric acid	<10.0	mg/l	Y Cov	CON17
Iso-valeric acid	<10.0	mg/l	Y Cov	CON17
N-butyric acid	<10.0	mg/l	Y Cov	CON17
N-valeric acid	<10.0	mg/l	Y Cov	CON17
Propionic acid	<10.0	mg/l	Y Cov	CON17
Volatile acids, Total	<20.0	mg/l	Y Cov	CON17
VOC	Y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	<2.0	ug/l	Y Cov	GEO32
Chloromethane	<2.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<2.0	ug/l	Y Cov	GEO32
Bromomethane	<2.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<2.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
Dichloromethane	3.3	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<2.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Chloroform	<2.0	ug/l	Y Cov	GEO32
Bromochloromethane	<2.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<2.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<2.0	ug/l	Y Cov	GEO32
Benzene	<2.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Trichloroethene	<2.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<2.0	ug/l	Y Cov	GEO32
Dibromomethane	<2.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
Toluene	<2.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<2.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<2.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<2.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<1.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<2.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<2.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<2.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<2.0	ug/l	Y Cov	GEO32
Chlorobenzene	<2.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<2.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<2.0	ug/l	Y Cov	GEO32
m&p-Xylene	<2.0	ug/l	Y Cov	GEO32

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<2.0	ug/l	Y Cov	GEO32
Styrene	<2.0	ug/l	Y Cov	GEO32
Bromoform	<2.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<2.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<2.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<2.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<2.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<2.0	ug/l	Y Cov	GEO32
Bromobenzene	<2.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<2.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<2.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<2.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<2.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<2.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<2.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<4.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<2.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<2.0	ug/l	Y Cov	GEO32
Naphthalene	<2.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<2.0	ug/l	Y Cov	GEO32
MTBE	<2.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	97.6	%Recovery	N Cov	GEO32
Toluene-d8	98.8	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	97.6	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<1.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	<1.0	ug/l	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	Y Cov	GEO40
Isophorone	<1.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<1.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	Y Cov	GEO40
Naphthalene	<2.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	Y Cov	GEO40

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12528350**

Sample **6** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<1.0	ug/l	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	Y Cov	GEO40
Anthracene	<1.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	Y Cov	GEO40
Pyrene	<1.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	Y Cov	GEO40
Chrysene	<1.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	Y Cov	GEO40
2-Fluorophenol	91.6	%Recovery	N Cov	GEO40
Phenol-d6	94.6	%Recovery	N Cov	GEO40
Nitrobenzene-d5	95.7	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	92.9	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	84.5	%Recovery	N Cov	GEO40
Terphenyl-d14	70.5	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.006	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0030	mg/l	Y Cov	WAS051
Methane, Dissolved	11	mg/l	N Cov	62

Analyst Comments for 12528350:

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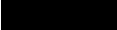
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The ferrous iron analysis was not carried out on site and there is the possibility of change in the ferrous-ferric ratio between sampling and analysis.
Results for Dimethoate and Dichlorvos are unavailable due to AQC breaches.
VOC reporting limits raised due to nature of sample matrix.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed: 	Name: 	Date: 02 September 2011
	Title: Organics Operations Manager	

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529847**

Sample **7** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.083	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.006	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.019	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	2.86	mg/l	Y Cov	WAS036
Sulphide as S	<0.029	mg/l	Y Cov	WAS033

Analyst Comments for 12529847:

Sample filtered through a 0.45um filter prior to analysis

For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

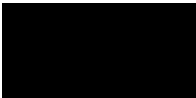
Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:



Name:



Date: **02 September 2011**

Title:

Organics Operations Manager

Severn Trent Services

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529848**

Sample **8** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 1 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.135	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.027	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.035	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	1130	mg/l	Y Cov	WAS055
Sulphide as S	0.05	mg/l	Y Cov	WAS033

Analyst Comments for 12529848:

Sample filtered through a 20-25um filter prior to analysis
For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.
I/S=Insufficient sample

Signed:

Name:

Date: **02 September 2011**

Title:

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529849**

Sample **9** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.037	mg/l	Y Cov	WAS049
Copper, Total as Cu	<0.001	mg/l	Y Cov	WAS049
Zinc, Total as Zn	5.23	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	2.75	mg/l	Y Cov	WAS036
Sulphide as S	<0.029	mg/l	Y Cov	WAS033

Analyst Comments for 12529849:

Sample filtered through a 0.45um filter prior to analysis

For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:

Name:

Date: **02 September 2011**

Title:

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529850**

Sample **10** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 17 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.049	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.003	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.019	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	122	mg/l	Y Cov	WAS036
Sulphide as S	<0.029	mg/l	Y Cov	WAS033

Analyst Comments for 12529850:

Sample filtered through a 0.45um filter prior to analysis

For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:

Name:

Date: **02 September 2011**

Title:

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529851**

Sample **11** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 5 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.201	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.019	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.058	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	837	mg/l	Y Cov	WAS055
Sulphide as S	0.04	mg/l	Y Cov	WAS033

Analyst Comments for 12529851:

Sample filtered through a 20-25um filter prior to analysis
For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:

Name:

Date: **02 September 2011**

Title:

Organics Operations Manager

Severn Trent Services

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Report Number: **COV/796998/2011**

Issue **1**

Laboratory Number: **12529852**

Sample **12** of **12**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW 2 Filtered**

Sample Matrix: **Ground waters**

Sample Date/Time: **04 August 2011 12:30**

Sample Received: **04 August 2011**

Analysis Complete: **22 August 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.052	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.003	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.015	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	86.0	mg/l	Y Cov	WAS036
Sulphide as S	<0.029	mg/l	Y Cov	WAS033

Analyst Comments for 12529852:

Sample filtered through a 0.45um filter prior to analysis

For Sulphide Analyse, sample was taken from 1L PET bottle as no sample pot was provided.

Accreditation Codes: Y = UKAS Accredited, N = Not UKAS Accredited, M = MCERTS.

Analysed at: Brd = Bridgend, Cov = Coventry, Rea = Reading, Run = Runcorn, S = Subcontracted, Wak = Wakefield.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered. Relating to Legionella volume analysed 1g is approximately equivalent to 1ml.

I/S=Insufficient sample

Signed:



Name:



Date: **02 September 2011**

Title:

Organics Operations Manager

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