

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

29 September 2011

Test Report: BRD/804793/2011

Dear ██████████

Analysis of your sample(s) submitted on 08 September 2011 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)16 5664 7557 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,

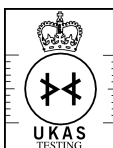
Signed: ██████████

Name: ██████████

Title: Inorganics Operations Manager



Report Summary



1314
1229
0897
4409



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

Date of Issue: **29 September 2011**

Report Number: **BRD/804793/2011**

Issue **1**

Job Description: Stoneyhill Landfill Monitoring

Job Location: Stoneyhill Landfill Monitoring

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

Job Received: **08 September 2011**

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

Analysis Commenced: **08 September 2011**

Signed:

Name:

Date: **29 September 2011**

Title: **Inorganics 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: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587896**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	6.91	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.121	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0014	mg/l	Y Cov	WAS049
Calcium , Total as Ca	157	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0474	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.012	mg/l	Y Cov	WAS049
Iron , Total as Fe	11.4	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	3.08	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	7.8	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	<0.5	mg/l	N Cov	CALC
Lead , Total as Pb	0.033	mg/l	Y Cov	WAS049
Manganese , Total as Mn	1.15	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.114	mg/l	Y Cov	WAS049
Potassium , Total as K	608	mg/l	Y Cov	WAS049
Sodium , Total as Na	1160	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.094	mg/l	Y Cov	WAS049
pH	8.0	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	10300	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3810	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	736	mg/l	Y Cov	WAS036
Chloride as Cl	1590	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	3.59	mg/l	Y Cov	WAS036
Sulphate as SO4	9.8	mg/l	Y Cov	WAS036
Suspended Solids	66.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	114	mg/l	Y Cov	WAS001
COD (1 hr settled)	1320	mg/l	Y Cov	WAS040
TOC (Filtered)	298	mg/l	Y Cov	WAS005
Cyanide, Total as CN	11	ug/l	Y Cov	WAS018

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Issue **1**

Laboratory Number: **12587896**

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Sample Source: **Telford & Wrekin Council**

Sample Point Description:

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Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	<0.029	mg/l	Y Cov	WAS033
Fluoride as F	0.8	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<20	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	66	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	115	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: **12587896**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	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	0.008	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	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<10.0	ug/l	Y Cov	GEO32

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	<10.0	ug/l	Y Cov	GEO32
m&p-Xylene	15.7	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587896**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<10.0	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	<10.0	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	97.7	%Recovery	N Cov	GEO32
Toluene-d8	100.3	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	94.0	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<10.0	ug/l	Y Cov	GEO40

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Issue **1**

Laboratory Number: **12587896**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<10.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
2-Methylphenol	<10.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	<10.0	ug/l	N Cov	GEO40
Dibenzofuran	<10.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<10.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<10.0	ug/l	Y Cov	GEO40
Hexachloroethane	<10.0	ug/l	Y Cov	GEO40
Nitrobenzene	<10.0	ug/l	Y Cov	GEO40
Isophorone	<10.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	19.3	ug/l	Y Cov	GEO40
2-Nitrophenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<10.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<10.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Naphthalene	<20.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<10.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<10.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<10.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<10.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Acenaphthylene	<10.0	ug/l	Y Cov	GEO40
Acenaphthene	<10.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Diethylphthalate	<10.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<50.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587896**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<10.0	ug/l	Y Cov	GEO40
Diphenylamine	<10.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<10.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<10.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<10.0	ug/l	Y Cov	GEO40
Phenanthrene	<10.0	ug/l	Y Cov	GEO40
Anthracene	<10.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<10.0	ug/l	Y Cov	GEO40
Fluoranthene	<10.0	ug/l	Y Cov	GEO40
Pyrene	<10.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<10.0	ug/l	Y Cov	GEO40
Chrysene	<10.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<50.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<10.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<10.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<10.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<10.0	ug/l	Y Cov	GEO40
2-Fluorophenol	144.8	%Recovery	N Cov	GEO40
Phenol-d6	100.9	%Recovery	N Cov	GEO40
Nitrobenzene-d5	99.6	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	96.2	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	91.0	%Recovery	N Cov	GEO40
Terphenyl-d14	84.5	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.002	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0096	mg/l	Y Cov	WAS051
Methane, Dissolved	3.8	mg/l	N Cov	62

Analyst Comments for 12587896:

Severn Trent Services

Analytical Services, 2 Technology Drive, Bridgend Science Park, Bridgend, CF31 3NA
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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 SVOCs due to sample matrix.

Unable to report Dimethoate due to aqc failure.

Unable to report Dimethoate due to aqc failure.

VOC reporting limits raised due to nature of sample matrix.



Dichlorodifluoromethane result given as an indication only of <10ug/L due to a QC breach.

Please see attached report for VOC-TIC results.

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: 29 September 2011
	Title: Inorganics Operations Manager	

Certificate of Analysis



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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	1.23	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.754	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0028	mg/l	Y Cov	WAS049
Calcium , Total as Ca	409	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0134	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.011	mg/l	Y Cov	WAS049
Iron , Total as Fe	133	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	50	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	37.6	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	3.7	mg/l	N Cov	CALC
Lead , Total as Pb	0.039	mg/l	Y Cov	WAS049
Manganese , Total as Mn	64.0	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.925	mg/l	Y Cov	WAS049
Potassium , Total as K	165	mg/l	Y Cov	WAS049
Sodium , Total as Na	268	mg/l	Y Cov	WAS049
Zinc, Total as Zn	4.52	mg/l	Y Cov	WAS049
pH	6.9	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	5550	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	1310	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	249	mg/l	Y Cov	WAS036
Chloride as Cl	483	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	1610	mg/l	Y Cov	WAS036
Suspended Solids	628	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	115	mg/l	Y Cov	WAS001
COD (1 hr settled)	572	mg/l	Y Cov	WAS040
TOC (Filtered)	99.5	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.06	mg/l	Y Cov	WAS033
Fluoride as F	0.6	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	12	ng/l	Y Cov	GEO47
Dieldrin	<8	ng/l	Y Cov	GEO47
Endrin	14	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: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	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	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<4.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<4.0	ug/l	Y Cov	GEO32
Bromomethane	<4.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<4.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<4.0	ug/l	Y Cov	GEO32
Dichloromethane	<4.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<4.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<4.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<4.0	ug/l	Y Cov	GEO32
Chloroform	<4.0	ug/l	Y Cov	GEO32
Bromochloromethane	<4.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<4.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<4.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<4.0	ug/l	Y Cov	GEO32
Benzene	<4.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<4.0	ug/l	Y Cov	GEO32
Trichloroethene	<4.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<4.0	ug/l	Y Cov	GEO32
Dibromomethane	<4.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<4.0	ug/l	Y Cov	GEO32
Toluene	<4.0	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<4.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<4.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<4.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<2.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<4.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<4.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<4.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<4.0	ug/l	Y Cov	GEO32
Chlorobenzene	<4.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<4.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<4.0	ug/l	Y Cov	GEO32
m&p-Xylene	<4.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<4.0	ug/l	Y Cov	GEO32
Styrene	<4.0	ug/l	Y Cov	GEO32
Bromoform	<4.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<4.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<4.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<4.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<4.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<4.0	ug/l	Y Cov	GEO32
Bromobenzene	<4.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<4.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<4.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<4.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<4.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<4.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<4.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<4.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<4.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<4.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<4.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<4.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<8.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<4.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<4.0	ug/l	Y Cov	GEO32
Naphthalene	<4.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<4.0	ug/l	Y Cov	GEO32
MTBE	<4.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	96.6	%Recovery	N Cov	GEO32
Toluene-d8	101.6	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	93.3	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	23.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<10.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
2-Methylphenol	<10.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	36.1	ug/l	N Cov	GEO40
Dibenzofuran	<10.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<10.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<10.0	ug/l	Y Cov	GEO40
Hexachloroethane	<10.0	ug/l	Y Cov	GEO40
Nitrobenzene	<10.0	ug/l	Y Cov	GEO40
Isophorone	<10.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<10.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<10.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<10.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Naphthalene	<20.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<10.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<10.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<10.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<10.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Acenaphthylene	<10.0	ug/l	Y Cov	GEO40
Acenaphthene	<10.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Diethylphthalate	<10.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<50.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587897**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<10.0	ug/l	Y Cov	GEO40
Diphenylamine	<10.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<10.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<10.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<10.0	ug/l	Y Cov	GEO40
Phenanthrene	<10.0	ug/l	Y Cov	GEO40
Anthracene	<10.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<10.0	ug/l	Y Cov	GEO40
Fluoranthene	<10.0	ug/l	Y Cov	GEO40
Pyrene	<10.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<10.0	ug/l	Y Cov	GEO40
Chrysene	<10.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<50.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<10.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<10.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<10.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<10.0	ug/l	Y Cov	GEO40
2-Fluorophenol	138.3	%Recovery	N Cov	GEO40
Phenol-d6	98.7	%Recovery	N Cov	GEO40
Nitrobenzene-d5	97.7	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	94.2	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	102.2	%Recovery	N Cov	GEO40
Terphenyl-d14	92.3	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.0028	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0064	mg/l	Y Cov	WAS051
Methane, Dissolved	0.69	mg/l	N Cov	62

Analyst Comments for 12587897:



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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 SVOCs due to sample matrix.

VOC reporting limits raised due to nature of sample matrix.
Dichlorodifluoromethane result given as an indication only of <4ug/L due to a QC breach.
Please see attached report for VOC-TIC results.

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: 29 September 2011
	Title: Inorganics Operations Manager	

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	8.07	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.606	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0137	mg/l	Y Cov	WAS049
Calcium , Total as Ca	87.4	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0705	mg/l	Y Cov	WAS049
Copper, Total as Cu	<0.001	mg/l	Y Cov	WAS049
Iron , Total as Fe	1800	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	1400	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	1990	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	114	mg/l	N Cov	CALC
Lead , Total as Pb	0.085	mg/l	Y Cov	WAS049
Manganese , Total as Mn	53.6	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.127	mg/l	Y Cov	WAS049
Potassium , Total as K	874	mg/l	Y Cov	WAS049
Sodium , Total as Na	1350	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.223	mg/l	Y Cov	WAS049
pH	6.2	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	19100	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	11000	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	52.5	mg/l	Y Cov	WAS036
Chloride as Cl	1960	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	283	mg/l	Y Cov	WAS036
Suspended Solids	1670	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	15800	mg/l	Y Cov	WAS001
COD (1 hr settled)	44900	mg/l	Y Cov	WAS040
TOC (Filtered)	959	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.29	mg/l	Y Cov	WAS033
Fluoride as F	<0.2	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	23	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	75	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	6	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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SERVICES

Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	0.007	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	22000	mg/l	Y Cov	CON17
Iso-butyric acid	2720	mg/l	Y Cov	CON17
Iso-valeric acid	1880	mg/l	Y Cov	CON17
N-butyric acid	Analyst Comment	mg/l	Y Cov	CON17
N-valeric acid	3590	mg/l	Y Cov	CON17
Propionic acid	14400	mg/l	Y Cov	CON17
Volatile acids, Total	Analyst Comment	mg/l	Y Cov	CON17
VOC	y	ug/l	Y Cov	GEO32
Dichlorodifluoromethane	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<40.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	53.2	ug/l	Y Cov	GEO32
Bromomethane	<40.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<40.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<40.0	ug/l	Y Cov	GEO32
Dichloromethane	<40.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<40.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<40.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<40.0	ug/l	Y Cov	GEO32
Chloroform	<40.0	ug/l	Y Cov	GEO32
Bromochloromethane	<40.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<40.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<40.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<40.0	ug/l	Y Cov	GEO32
Benzene	<40.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<40.0	ug/l	Y Cov	GEO32
Trichloroethene	<40.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<40.0	ug/l	Y Cov	GEO32
Dibromomethane	<40.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<40.0	ug/l	Y Cov	GEO32
Toluene	209	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<40.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<40.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<40.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<20.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<40.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<40.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<40.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<40.0	ug/l	Y Cov	GEO32
Chlorobenzene	<40.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<40.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<40.0	ug/l	Y Cov	GEO32
m&p-Xylene	52.4	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<40.0	ug/l	Y Cov	GEO32
Styrene	<40.0	ug/l	Y Cov	GEO32
Bromoform	<40.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<40.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<40.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<40.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<40.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<40.0	ug/l	Y Cov	GEO32
Bromobenzene	<40.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<40.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<40.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<40.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<40.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<40.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<40.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<40.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<40.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<80.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<40.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<40.0	ug/l	Y Cov	GEO32
Naphthalene	<40.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<40.0	ug/l	Y Cov	GEO32
MTBE	<40.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	101.7	%Recovery	N Cov	GEO32
Toluene-d8	238.5	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	87.8	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	2770	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<10.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
2-Methylphenol	46.6	ug/l	Y Cov	GEO40
3&4-Methylphenol	21100	ug/l	N Cov	GEO40
Dibenzofuran	<10.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<10.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<10.0	ug/l	Y Cov	GEO40
Hexachloroethane	<10.0	ug/l	Y Cov	GEO40
Nitrobenzene	<10.0	ug/l	Y Cov	GEO40
Isophorone	<10.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<10.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<10.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<10.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Naphthalene	<20.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<10.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<10.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<10.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<10.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Acenaphthylene	<10.0	ug/l	Y Cov	GEO40
Acenaphthene	<10.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Diethylphthalate	189	ug/l	Y Cov	GEO40
4-Nitrophenol	<50.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587898**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<10.0	ug/l	Y Cov	GEO40
Diphenylamine	<10.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<10.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<10.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<10.0	ug/l	Y Cov	GEO40
Phenanthrene	<10.0	ug/l	Y Cov	GEO40
Anthracene	<10.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	10.1	ug/l	Y Cov	GEO40
Fluoranthene	<10.0	ug/l	Y Cov	GEO40
Pyrene	<10.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<10.0	ug/l	Y Cov	GEO40
Chrysene	<10.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<50.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<10.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<10.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<10.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<10.0	ug/l	Y Cov	GEO40
2-Fluorophenol	111.6	%Recovery	N Cov	GEO40
Phenol-d6	55.2	%Recovery	N Cov	GEO40
Nitrobenzene-d5	108.4	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	97.4	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	109.9	%Recovery	N Cov	GEO40
Terphenyl-d14	87.9	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.005	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0204	mg/l	Y Cov	WAS051
Methane, Dissolved	8.8	mg/l	N Cov	62



Analyst Comments for 12587898:

Severn Trent Services

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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 SVOCs due to sample matrix.
Results for Dimethoate, Dichlorvos, Simazine, Atrazine, Propazine, Prometryn and Terbutryn are given as an indication only due to surrogate failure. Sample was re-extracted but failure still occurred.
VOC reporting limits raised due to nature of sample matrix - surrogate failure due to sample matrix.
Dichlorodifluoromethane result given as an indication only of <40ug/L due to a QC breach.
Please see attached report for VOC-TIC results.
Result for n-Butyric acid and total volatile acids given as an indication only due to n-Butyric acid is over the calibration range and the total has been calculated using this value. Indicative results are OBG: 7860 mg/l and OU7: 52500 mg/l.

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: 29 September 2011
	Title: Inorganics Operations Manager	

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	10.3	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.524	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0039	mg/l	Y Cov	WAS049
Calcium , Total as Ca	134	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.1288	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.022	mg/l	Y Cov	WAS049
Iron , Total as Fe	8.25	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	1.13	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	23.2	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	12.7	mg/l	N Cov	CALC
Lead , Total as Pb	0.043	mg/l	Y Cov	WAS049
Manganese , Total as Mn	0.849	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.254	mg/l	Y Cov	WAS049
Potassium , Total as K	1430	mg/l	Y Cov	WAS049
Sodium , Total as Na	1860	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.612	mg/l	Y Cov	WAS049
pH	7.8	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	17700	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	8470	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	1340	mg/l	Y Cov	WAS036
Chloride as Cl	2180	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	3.84	mg/l	Y Cov	WAS036
Sulphate as SO4	290	mg/l	Y Cov	WAS036
Suspended Solids	272	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	285	mg/l	Y Cov	WAS001
COD (1 hr settled)	2440	mg/l	Y Cov	WAS040
TOC (Filtered)	670	mg/l	Y Cov	WAS005
Cyanide, Total as CN	12	ug/l	Y Cov	WAS018

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	12.23	mg/l	Y Cov	WAS033
Fluoride as F	0.5	mg/l	Y Cov	WAS029
1,2,3-Trichlorobenzene	<400	ng/l	Y Cov	GEO47
1,2,4-Trichlorobenzene	<400	ng/l	Y Cov	GEO47
1,3,5-Trichlorobenzene	<400	ng/l	Y Cov	GEO47
Aldrin	<160	ng/l	Y Cov	GEO47
alpha-Endosulphan	<160	ng/l	Y Cov	GEO47
alpha-HCH	<120	ng/l	Y Cov	GEO47
beta-Endosulphan	<160	ng/l	Y Cov	GEO47
beta-HCH	0.152	ng/l	Y Cov	GEO47
alpha-Chlordane	<80	ng/l	Y Cov	GEO47
Dichlobenil	<80	ng/l	Y Cov	GEO47
Dieldrin	<160	ng/l	Y Cov	GEO47
Endrin	<160	ng/l	N Cov	GEO47
gamma-HCH	<120	ng/l	Y Cov	GEO47
Heptachlor Epoxide	<80	ng/l	Y Cov	GEO47
Hexachlorobenzene	<80	ng/l	Y Cov	GEO47
Hexachlorobutadiene	<280	ng/l	Y Cov	GEO47
Isodrin	<160	ng/l	Y Cov	GEO47
o,p - DDE	<80	ng/l	Y Cov	GEO47
p,p - DDE	<80	ng/l	Y Cov	GEO47
o,p - TDE	<80	ng/l	Y Cov	GEO47
p,p - TDE	<80	ng/l	Y Cov	GEO47
o,p - DDT	<80	ng/l	Y Cov	GEO47
p,p - DDT	<80	ng/l	Y Cov	GEO47
Tecnazene	<400	ng/l	Y Cov	GEO47
gamma-Chlordane	<160	ng/l	Y Cov	GEO47
Triallate	<400	ng/l	Y Cov	GEO47
Trifluralin	<1200	ng/l	Y Cov	GEO47
Azinphos-ethyl	<0.160	ug/l	Y Cov	GEO47
Azinphos-methyl	<0.080	ug/l	Y Cov	GEO47
Carbophenothion	<0.120	ug/l	Y Cov	GEO47

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Chlorfenvinphos	<0.080	ug/l	Y Cov	GEO47
Chlorpyrifos	<0.080	ug/l	Y Cov	GEO47
Diazinon	<0.120	ug/l	Y Cov	GEO47
Dichlorvos	<0.080	ug/l	Y Cov	GEO47
Dimethoate	<0.800	ug/l	Y Cov	GEO47
Fenitrothion	<0.080	ug/l	Y Cov	GEO47
Fenthion	<0.080	ug/l	Y Cov	GEO47
Malathion	<0.160	ug/l	Y Cov	GEO47
Mevinphos	<0.800	ug/l	Y Cov	GEO47
Parathion-ethyl	<0.120	ug/l	Y Cov	GEO47
Parathion-methyl	<0.120	ug/l	Y Cov	GEO47
Phorate	<0.160	ug/l	Y Cov	GEO47
Phosalone	<0.160	ug/l	Y Cov	GEO47
Pirimiphos-methyl	<0.200	ug/l	Y Cov	GEO47
Propetamphos	<0.120	ug/l	Y Cov	GEO47
Triazophos	<0.080	ug/l	Y Cov	GEO47
Atrazine	<0.800	ug/l	Y Cov	GEO47
Prometryne	<0.800	ug/l	Y Cov	GEO47
Propazine	<0.800	ug/l	Y Cov	GEO47
Simazine	<0.800	ug/l	Y Cov	GEO47
Terbutryn	<0.800	ug/l	Y Cov	GEO47
Trietazine	<0.400	ug/l	Y Cov	GEO47
Acetic acid	15.9	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	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<20.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<20.0	ug/l	Y Cov	GEO32
Bromomethane	<20.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<20.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<20.0	ug/l	Y Cov	GEO32
Dichloromethane	<20.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<20.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<20.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<20.0	ug/l	Y Cov	GEO32
Chloroform	<20.0	ug/l	Y Cov	GEO32
Bromochloromethane	<20.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<20.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<20.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<20.0	ug/l	Y Cov	GEO32
Benzene	<20.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<20.0	ug/l	Y Cov	GEO32
Trichloroethene	<20.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<20.0	ug/l	Y Cov	GEO32
Dibromomethane	<20.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<20.0	ug/l	Y Cov	GEO32
Toluene	25.4	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<20.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<20.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<20.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<10.0	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<20.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<20.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<20.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<20.0	ug/l	Y Cov	GEO32
Chlorobenzene	<20.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<20.0	ug/l	Y Cov	GEO32
Ethyl Benzene	<20.0	ug/l	Y Cov	GEO32
m&p-Xylene	51.8	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<20.0	ug/l	Y Cov	GEO32
Styrene	<20.0	ug/l	Y Cov	GEO32
Bromoform	<20.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<20.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<20.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<20.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<20.0	ug/l	Y Cov	GEO32
n-Propylbenzene	<20.0	ug/l	Y Cov	GEO32
Bromobenzene	<20.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<20.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	<20.0	ug/l	Y Cov	GEO32
4-Chlorotoluene	<20.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<20.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	<20.0	ug/l	Y Cov	GEO32
sec-Butylbenzene	<20.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<20.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<20.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<20.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<40.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<20.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<20.0	ug/l	Y Cov	GEO32
Naphthalene	<20.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<20.0	ug/l	Y Cov	GEO32
MTBE	<20.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	98.1	%Recovery	N Cov	GEO32
Toluene-d8	100.2	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	95.4	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<40.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<40.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<40.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO40
2-Methylphenol	<40.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	52.0	ug/l	N Cov	GEO40
Dibenzofuran	<40.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<40.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<40.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<40.0	ug/l	Y Cov	GEO40
Hexachloroethane	<40.0	ug/l	Y Cov	GEO40
Nitrobenzene	<40.0	ug/l	Y Cov	GEO40
Isophorone	<40.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<40.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<40.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<40.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<40.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<40.0	ug/l	Y Cov	GEO40
Naphthalene	<80.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<40.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<40.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<40.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<40.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<40.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<40.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<40.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<40.0	ug/l	Y Cov	GEO40
Acenaphthylene	<40.0	ug/l	Y Cov	GEO40
Acenaphthene	<40.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<40.0	ug/l	Y Cov	GEO40
Diethylphthalate	<40.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<200	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<40.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587899**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<40.0	ug/l	Y Cov	GEO40
Diphenylamine	<40.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<40.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<40.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<40.0	ug/l	Y Cov	GEO40
Phenanthrene	<40.0	ug/l	Y Cov	GEO40
Anthracene	<40.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<40.0	ug/l	Y Cov	GEO40
Fluoranthene	<40.0	ug/l	Y Cov	GEO40
Pyrene	<40.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<40.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<40.0	ug/l	Y Cov	GEO40
Chrysene	<40.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<200	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<40.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<40.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<40.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<40.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<40.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<40.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<40.0	ug/l	Y Cov	GEO40
2-Fluorophenol	145.7	%Recovery	N Cov	GEO40
Phenol-d6	102.6	%Recovery	N Cov	GEO40
Nitrobenzene-d5	99.3	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	95.9	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	95.3	%Recovery	N Cov	GEO40
Terphenyl-d14	88.5	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.004	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0876	mg/l	Y Cov	WAS051
Methane, Dissolved	8.2	mg/l	N Cov	62

Analyst Comments for 12587899:

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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 SVOCs due to sample matrix.

Reporting limits raised for GCMSMS Pesticide results due to nature of sample matrix.

VOC reporting limits raised due to nature of sample matrix.

Dichlorodifluoromethane result given as an indication only of <20ug/L due to a QC breach.



Please see attached report for VOC-TIC results.

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: 29 September 2011
	Title: Inorganics Operations Manager	

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	0.683	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.884	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0013	mg/l	Y Cov	WAS049
Calcium , Total as Ca	218	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0035	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.004	mg/l	Y Cov	WAS049
Iron , Total as Fe	26.8	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	0.35	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	38.3	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	1.1	mg/l	N Cov	CALC
Lead , Total as Pb	0.020	mg/l	Y Cov	WAS049
Manganese , Total as Mn	1.81	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.009	mg/l	Y Cov	WAS049
Potassium , Total as K	28.3	mg/l	Y Cov	WAS049
Sodium , Total as Na	82.7	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.039	mg/l	Y Cov	WAS049
pH	7.2	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	1780	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	807	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	46.3	mg/l	Y Cov	WAS036
Chloride as Cl	168	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	14.5	mg/l	Y Cov	WAS036
Suspended Solids	238	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	21	mg/l	Y Cov	WAS001
COD (1 hr settled)	111	mg/l	Y Cov	WAS040
TOC (Filtered)	31.3	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.10	mg/l	Y Cov	WAS033
Fluoride as F	0.5	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: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<5.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Chloroethane	<5.0	ug/l	Y Cov	GEO32
Bromomethane	<5.0	ug/l	Y Cov	GEO32
Trichlorofluoromethane	<5.0	ug/l	Y Cov	GEO32
1,1-Dichloroethene	<5.0	ug/l	Y Cov	GEO32
Dichloromethane	<5.0	ug/l	Y Cov	GEO32
1,1-Dichloroethane	<5.0	ug/l	Y Cov	GEO32
cis-1,2-Dichloroethene	<5.0	ug/l	Y Cov	GEO32
2,2-Dichloropropane	<5.0	ug/l	Y Cov	GEO32
Chloroform	<5.0	ug/l	Y Cov	GEO32
Bromochloromethane	<5.0	ug/l	Y Cov	GEO32
1,1,1-Trichloroethane	<5.0	ug/l	Y Cov	GEO32
1,1-Dichloropropene	<5.0	ug/l	Y Cov	GEO32
1,2-Dichloroethane	<5.0	ug/l	Y Cov	GEO32
Benzene	<5.0	ug/l	Y Cov	GEO32
1,2-Dichloropropane	<5.0	ug/l	Y Cov	GEO32
Trichloroethene	<5.0	ug/l	Y Cov	GEO32
Bromodichloromethane	<5.0	ug/l	Y Cov	GEO32
Dibromomethane	<5.0	ug/l	Y Cov	GEO32
cis-1,3-Dichloropropene	<5.0	ug/l	Y Cov	GEO32
Toluene	21.4	ug/l	Y Cov	GEO32
trans-1,3-Dichloropropene	<5.0	ug/l	Y Cov	GEO32
1,1,2-Trichloroethane	<5.0	ug/l	Y Cov	GEO32
Carbon Tetrachloride	<5.0	ug/l	Y Cov	GEO32
Vinyl Chloride	<2.5	ug/l	Y Cov	GEO32
1,3-Dichloropropane	<5.0	ug/l	Y Cov	GEO32
Tetrachloroethene	<5.0	ug/l	Y Cov	GEO32
Dibromochloromethane	<5.0	ug/l	Y Cov	GEO32
1,2-Dibromoethane	<5.0	ug/l	Y Cov	GEO32
Chlorobenzene	<5.0	ug/l	Y Cov	GEO32
1,1,1,2-Tetrachloroethane	<5.0	ug/l	Y Cov	GEO32
Ethyl Benzene	53.6	ug/l	Y Cov	GEO32
m&p-Xylene	269	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	77.0	ug/l	Y Cov	GEO32
Styrene	<5.0	ug/l	Y Cov	GEO32
Bromoform	<5.0	ug/l	Y Cov	GEO32
trans-1,2-Dichloroethene	<5.0	ug/l	Y Cov	GEO32
Isopropylbenzene	<5.0	ug/l	Y Cov	GEO32
1,1,2,2-Tetrachloroethane	<5.0	ug/l	Y Cov	GEO32
1,2,3-Trichloropropane	<5.0	ug/l	Y Cov	GEO32
n-Propylbenzene	5.2	ug/l	Y Cov	GEO32
Bromobenzene	<5.0	ug/l	Y Cov	GEO32
2-Chlorotoluene	<5.0	ug/l	Y Cov	GEO32
1,3,5-Trimethylbenzene	32.7	ug/l	Y Cov	GEO32
4-Chlorotoluene	<5.0	ug/l	Y Cov	GEO32
tert-Butylbenzene	<5.0	ug/l	Y Cov	GEO32
1,2,4-Trimethylbenzene	106	ug/l	Y Cov	GEO32
sec-Butylbenzene	<5.0	ug/l	Y Cov	GEO32
p-Isopropyltoluene	<5.0	ug/l	Y Cov	GEO32
1,3-Dichlorobenzene	<5.0	ug/l	Y Cov	GEO32
1,4-Dichlorobenzene	<5.0	ug/l	Y Cov	GEO32
n-Butylbenzene	<5.0	ug/l	Y Cov	GEO32
1,2-Dichlorobenzene	<5.0	ug/l	Y Cov	GEO32
1,2-Dibromo-3-chloropropane	<10.0	ug/l	Y Cov	GEO32
1,2,4-Trichlorobenzene	<5.0	ug/l	Y Cov	GEO32
Hexachlorobutadiene	<5.0	ug/l	Y Cov	GEO32
Naphthalene	<5.0	ug/l	Y Cov	GEO32
1,2,3-Trichlorobenzene	<5.0	ug/l	Y Cov	GEO32
MTBE	<5.0	ug/l	Y Cov	GEO32
Dibromofluoromethane	96.7	%Recovery	N Cov	GEO32
Toluene-d8	99.8	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	94.8	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	2.7	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<2.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<2.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO40
2-Methylphenol	2.9	ug/l	Y Cov	GEO40
3&4-Methylphenol	70.5	ug/l	N Cov	GEO40
Dibenzofuran	<2.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<2.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<2.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<2.0	ug/l	Y Cov	GEO40
Hexachloroethane	<2.0	ug/l	Y Cov	GEO40
Nitrobenzene	<2.0	ug/l	Y Cov	GEO40
Isophorone	<2.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	6.3	ug/l	Y Cov	GEO40
2-Nitrophenol	<2.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<2.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<2.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<2.0	ug/l	Y Cov	GEO40
Naphthalene	<4.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<2.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<2.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<2.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<2.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<2.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<2.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<2.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<2.0	ug/l	Y Cov	GEO40
Acenaphthylene	<2.0	ug/l	Y Cov	GEO40
Acenaphthene	<2.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<2.0	ug/l	Y Cov	GEO40
Diethylphthalate	5.4	ug/l	Y Cov	GEO40
4-Nitrophenol	<10.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<2.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587900**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<2.0	ug/l	Y Cov	GEO40
Diphenylamine	<2.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<2.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<2.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<2.0	ug/l	Y Cov	GEO40
Phenanthrene	<2.0	ug/l	Y Cov	GEO40
Anthracene	<2.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<2.0	ug/l	Y Cov	GEO40
Fluoranthene	<2.0	ug/l	Y Cov	GEO40
Pyrene	<2.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<2.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<2.0	ug/l	Y Cov	GEO40
Chrysene	<2.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<10.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<2.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<2.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<2.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<2.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<2.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<2.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<2.0	ug/l	Y Cov	GEO40
2-Fluorophenol	136.5	%Recovery	N Cov	GEO40
Phenol-d6	95.8	%Recovery	N Cov	GEO40
Nitrobenzene-d5	95.8	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	91.9	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	97.3	%Recovery	N Cov	GEO40
Terphenyl-d14	75.2	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.001	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0113	mg/l	Y Cov	WAS051
Methane, Dissolved	6.7	mg/l	N Cov	62

Analyst Comments for 12587900:



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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 SVOCs due to sample matrix.

Reporting limits raised for VOCs due to elevated levels of VOCs present in the sample.
Dichlorodifluoromethane result given as an indication only of <5ug/L due to a QC breach.
Please see attached report for VOC-TIC results.

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: 29 September 2011
	Title: Inorganics Operations Manager	

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Bromide	3.82	mg/l	Y Cov	CON27
Aluminium, Total as Al	0.703	mg/l	Y Cov	WAS049
Cadmium , Total as Cd	0.0013	mg/l	Y Cov	WAS049
Calcium , Total as Ca	269	mg/l	Y Cov	WAS049
Chromium , Total as Cr	0.0295	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.005	mg/l	Y Cov	WAS049
Iron , Total as Fe	18.5	mg/l	Y Cov	WAS049
Iron, Filtered as Fe	1.30	mg/l	Y Cov	WAS049
Ferrous Iron fixed with HCL	7.4	mg/l	N Cov	WAS043
Ferric Iron Fixed with HCL	8.1	mg/l	N Cov	CALC
Lead , Total as Pb	0.020	mg/l	Y Cov	WAS049
Manganese , Total as Mn	1.28	mg/l	Y Cov	WAS049
Mercury, Total as Hg	<0.0001	mg/l	Y Cov	WAS013
Nickel , Total as Ni	0.069	mg/l	Y Cov	WAS049
Potassium , Total as K	446	mg/l	Y Cov	WAS049
Sodium , Total as Na	840	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.048	mg/l	Y Cov	WAS049
pH	7.3	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	7910	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3140	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	433	mg/l	Y Cov	WAS036
Chloride as Cl	1100	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, total as SO4 by I.C.	24.5	mg/l	Y Cov	CON27
Suspended Solids	276	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	32	mg/l	Y Cov	WAS001
COD (1 hr settled)	1030	mg/l	Y Cov	WAS040
TOC (Filtered)	275	mg/l	Y Cov	WAS005
Cyanide, Total as CN	<10	ug/l	Y Cov	WAS018

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Sulphide as S	0.14	mg/l	Y Cov	WAS033
Fluoride as F	0.3	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	50	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: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	Analyst Comment	ug/l	Y Cov	GEO32
Chloromethane	<10.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 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	<10.0	ug/l	Y Cov	GEO32
m&p-Xylene	<10.0	ug/l	Y Cov	GEO32

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
o-Xylene	<10.0	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	<10.0	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	95.8	%Recovery	N Cov	GEO32
Toluene-d8	101.1	%Recovery	N Cov	GEO32
4-Bromofluorobenzene	91.3	%Recovery	N Cov	GEO32
SVOC	y	ug/l	Y Cov	GEO40
Phenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethyl)ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
2-Chlorophenol	<10.0	ug/l	Y Cov	GEO40
1,3-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
1,4-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
2-Methylphenol	<10.0	ug/l	Y Cov	GEO40
3&4-Methylphenol	<10.0	ug/l	N Cov	GEO40
Dibenzofuran	<10.0	ug/l	N Cov	GEO40
1,2-Dichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<10.0	ug/l	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<10.0	ug/l	Y Cov	GEO40
Hexachloroethane	<10.0	ug/l	Y Cov	GEO40
Nitrobenzene	<10.0	ug/l	Y Cov	GEO40
Isophorone	<10.0	ug/l	Y Cov	GEO40
2,4-Dimethylphenol	<10.0	ug/l	Y Cov	GEO40
2-Nitrophenol	<10.0	ug/l	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<10.0	ug/l	Y Cov	GEO40
2,4-Dichlorophenol	<10.0	ug/l	Y Cov	GEO40
1,2,4-Trichlorobenzene	<10.0	ug/l	Y Cov	GEO40
Naphthalene	<20.0	ug/l	Y Cov	GEO40
Hexachlorobutadiene	<10.0	ug/l	Y Cov	GEO40
4-Chloro-3-methylphenol	<10.0	ug/l	Y Cov	GEO40
2-Methylnaphthalene	<10.0	ug/l	Y Cov	GEO40
2,4,6-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2,4,5-Trichlorophenol	<10.0	ug/l	Y Cov	GEO40
2-Chloronaphthalene	<10.0	ug/l	Y Cov	GEO40
Dimethylphthalate	<10.0	ug/l	Y Cov	GEO40
2,6-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Acenaphthylene	<10.0	ug/l	Y Cov	GEO40
Acenaphthene	<10.0	ug/l	Y Cov	GEO40
2,4-Dinitrotoluene	<10.0	ug/l	Y Cov	GEO40
Diethylphthalate	<10.0	ug/l	Y Cov	GEO40
4-Nitrophenol	<50.0	ug/l	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<10.0	ug/l	Y Cov	GEO40

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587901**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Fluorene	<10.0	ug/l	Y Cov	GEO40
Diphenylamine	<10.0	ug/l	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<10.0	ug/l	Y Cov	GEO40
Hexachlorobenzene	<10.0	ug/l	Y Cov	GEO40
Pentachlorophenol	<10.0	ug/l	Y Cov	GEO40
Phenanthrene	<10.0	ug/l	Y Cov	GEO40
Anthracene	<10.0	ug/l	Y Cov	GEO40
di-n-Butylphthalate	<10.0	ug/l	Y Cov	GEO40
Fluoranthene	<10.0	ug/l	Y Cov	GEO40
Pyrene	<10.0	ug/l	Y Cov	GEO40
Benzyl Butyl Phthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(a)anthracene	<10.0	ug/l	Y Cov	GEO40
Chrysene	<10.0	ug/l	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<50.0	ug/l	Y Cov	GEO40
Di-n-octylphthalate	<10.0	ug/l	Y Cov	GEO40
Benzo(b)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(k)fluoranthene	<10.0	ug/l	Y Cov	GEO40
Benzo(a)pyrene	<10.0	ug/l	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<10.0	ug/l	Y Cov	GEO40
Dibenz(a,h)anthracene	<10.0	ug/l	Y Cov	GEO40
Benzo(g,h,i)perylene	<10.0	ug/l	Y Cov	GEO40
2-Fluorophenol	143.9	%Recovery	N Cov	GEO40
Phenol-d6	99.6	%Recovery	N Cov	GEO40
Nitrobenzene-d5	102.5	%Recovery	N Cov	GEO40
2-Fluorobiphenyl	97.0	%Recovery	N Cov	GEO40
2,4,6-Tribromophenol	98.2	%Recovery	N Cov	GEO40
Terphenyl-d14	90.4	%Recovery	N Cov	GEO40
Selenium, Total as Se	0.002	mg/l	Y Cov	WAS051
Arsenic, Total as As	0.0101	mg/l	Y Cov	WAS051
Methane, Dissolved	7.4	mg/l	N Cov	62

Analyst Comments for 12587901:

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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.
Sulphate analysed by ion chromatography due to interference with turbidimetric determination
Reporting limits raised for SVOCs due to sample matrix.

VOC reporting limits raised due to nature of sample matrix.
Dichlorodifluoromethane result given as an indication only of <10ug/L due to a QC breach.
Please see attached report for VOC-TIC results.

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: 29 September 2011
	Title: Inorganics Operations Manager	

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587902**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 10:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.056	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.042	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.043	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	750	mg/l	Y Cov	WAS036
Sulphide as S	0.05	mg/l	Y Cov	WAS033

Analyst Comments for 12587902:

Sample filtered through a 0.45um filter prior to 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: **29 September 2011**

Title:

Inorganics Operations Manager

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587903**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 15 Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 11:15**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	<0.032	mg/l	Y Cov	WAS049
Copper, Total as Cu	<0.001	mg/l	Y Cov	WAS049
Zinc, Total as Zn	2.56	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	236	mg/l	Y Cov	WAS036
Sulphide as S	0.08	mg/l	Y Cov	WAS033

Analyst Comments for 12587903:

Sample filtered through a 0.45um filter prior to 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: **29 September 2011**

Title:

Inorganics Operations Manager

Severn Trent Services

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587904**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 18 Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 12:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.400	mg/l	Y Cov	WAS049
Copper, Total as Cu	<0.001	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.095	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	1020	mg/l	Y Cov	WAS036
Sulphide as S	Analyst Comment	mg/l	Y Cov	WAS033

Analyst Comments for 12587904:

Sample filtered through a 20-25um filter prior to analysis
Unable to analysis for sulphide due to colometric 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 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: **29 September 2011**

Title:

Inorganics Operations Manager

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587905**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Gew 6 Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 13:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.436	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.023	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.389	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	1280	mg/l	Y Cov	WAS036
Sulphide as S	5.01	mg/l	Y Cov	WAS033

Analyst Comments for 12587905:

Sample filtered through a 20-25um filter prior to 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: **29 September 2011**

Title:

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587906**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 12 Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 14:30**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.039	mg/l	Y Cov	WAS049
Copper, Total as Cu	<0.001	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.011	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	42.4	mg/l	Y Cov	WAS036
Sulphide as S	0.05	mg/l	Y Cov	WAS033

Analyst Comments for 12587906:

Sample filtered through a 0.45um filter prior to 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: **29 September 2011**

Title:

Inorganics Operations Manager

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Report Number: **BRD/804793/2011**

Issue **1**

Laboratory Number: **12587907**

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

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2 Filtered**

Sample Matrix: **Waste waters**

Sample Date/Time: **08 September 2011 15:00**

Sample Received: **08 September 2011**

Analysis Complete: **29 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.124	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.009	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.029	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	404	mg/l	Y Cov	WAS036
Sulphide as S	0.25	mg/l	Y Cov	WAS033

Analyst Comments for 12587907:

Sample filtered through a 0.45um filter prior to 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: **29 September 2011**

Title:

Inorganics Operations Manager

Severn Trent Services

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