

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

08 September 2011

Test Report: BRD/801220/2011

Dear ██████████

Analysis of your sample(s) submitted on 23 August 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,

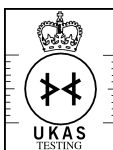
Signed: ██████████

Name: ██████████

Title: Chemistry Operations Manager



Report Summary



1314
1229
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4409



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

Date of Issue: **08 September 2011**

Report Number: **BRD/801220/2011**

Issue **1**

Job Description: Stoneyhill Landfill Monitoring

Job Location: Stoneyhill Landfill Monitoring

Number of Samples
included in this report **18**

Job Received: **23 August 2011**

Number of Test Results
included in this report **189**

Analysis Commenced: **23 August 2011**

Signed:

Name:

Date: **08 September 2011**

Title:

Chemistry 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/801220/2011**

Issue **1**

Laboratory Number: **12560412**

Sample **1** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 10:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.137	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.015	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.076	mg/l	Y Cov	WAS049
pH	8.1	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	9410	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3710	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	795	mg/l	Y Cov	WAS055
Chloride as Cl	1470	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
Sulphate as SO4	8.9	mg/l	Y Cov	WAS036
Suspended Solids	56.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	80	mg/l	Y Cov	WAS001
COD (1 hr settled)	1220	mg/l	Y Cov	WAS040
Sulphide as S	0.09	mg/l	Y Cov	WAS033
Methane, Dissolved	4.9	mg/l	N Cov	62

Analyst Comments for 12560412:

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: **08 September 2011**

Title:

Chemistry Operations Manager

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560413**

Sample **2** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW2**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 10:45**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.430	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.155	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.127	mg/l	Y Cov	WAS049
pH	7.3	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	2590	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	1530	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	86.9	mg/l	Y Cov	WAS036
Chloride as Cl	234	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
Sulphate as SO4	78.9	mg/l	Y Cov	WAS036
Suspended Solids	88.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	7	mg/l	Y Cov	WAS001
COD (1 hr settled)	184	mg/l	Y Cov	WAS040
Sulphide as S	0.16	mg/l	Y Cov	WAS033
Methane, Dissolved	7.9	mg/l	N Cov	62

Analyst Comments for 12560413:



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: 08 September 2011
	Title: Chemistry Operations Manager	

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560414**

Sample **3** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW3**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 11:20**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	11.1	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.119	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.614	mg/l	Y Cov	WAS049
pH	7.7	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	5140	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	2300	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	298	mg/l	Y Cov	WAS055
Chloride as Cl	707	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
Sulphate, total as SO4 by I.C.	<5.00	mg/l	Y Cov	CON27
Suspended Solids	11200	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	138	mg/l	Y Cov	WAS001
COD (1 hr settled)	599	mg/l	Y Cov	WAS040
Sulphide as S	208.40	mg/l	Y Cov	WAS033
Methane, Dissolved	12	mg/l	N Cov	62

Analyst Comments for 12560414:

Sample filtered through a 0.45um filter prior to analysis

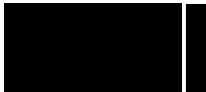

Sulphate analysed by ion chromatography due to interference with turbidimetric determination

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: 08 September 2011
	Title: Chemistry Operations Manager	

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560415**

Sample **4** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 11:45**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.193	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.006	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.046	mg/l	Y Cov	WAS049
pH	7.6	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	1370	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	713	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	3.34	mg/l	Y Cov	WAS036
Chloride as Cl	129	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
Sulphate as SO4	<1.0	mg/l	Y Cov	WAS036
Suspended Solids	43.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	18	mg/l	Y Cov	WAS001
COD (1 hr settled)	77	mg/l	Y Cov	WAS040
Sulphide as S	<0.029	mg/l	Y Cov	WAS033
Methane, Dissolved	1.3	mg/l	N Cov	62

Analyst Comments for 12560415:



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: 08 September 2011
	Title: Chemistry Operations Manager	

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560416**

Sample **5** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 20**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 12:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.262	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.010	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.080	mg/l	Y Cov	WAS049
pH	7.5	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	11300	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	4800	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	930	mg/l	Y Cov	WAS055
Chloride as Cl	1540	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
Sulphate, total as SO4 by I.C.	<5.00	mg/l	Y Cov	CON27
Suspended Solids	52.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	76	mg/l	Y Cov	WAS001
COD (1 hr settled)	1260	mg/l	Y Cov	WAS040
Sulphide as S	0.23	mg/l	Y Cov	WAS033
Methane, Dissolved	14	mg/l	N Cov	62

Analyst Comments for 12560416:

Sample filtered through a 0.45um filter prior to analysis



Sulphate analysed by ion chromatography due to interference with turbidimetric determination

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: 08 September 2011
	Title: Chemistry Operations Manager	

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560417**

Sample **6** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 4**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 13:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.163	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.022	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.115	mg/l	Y Cov	WAS049
pH	7.9	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	8300	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3450	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	684	mg/l	Y Cov	WAS055
Chloride as Cl	1140	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
Sulphate as SO4	12.5	mg/l	Y Cov	WAS036
Suspended Solids	70.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	70	mg/l	Y Cov	WAS001
COD (1 hr settled)	1100	mg/l	Y Cov	WAS040
Sulphide as S	0.11	mg/l	Y Cov	WAS033
Methane, Dissolved	13	mg/l	N Cov	62

Analyst Comments for 12560417:

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: **08 September 2011**

Title:

Chemistry Operations Manager

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560418**

Sample **7** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 13:50**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.1022	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.00472	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.0222	mg/l	Y Cov	WAS049
pH	7.3	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	7530	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3390	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	438	mg/l	Y Cov	WAS055
Chloride as Cl	1040	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
Sulphate, total as SO4 by I.C.	16.8	mg/l	Y Cov	CON27
Suspended Solids	160	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	21	mg/l	Y Cov	WAS001
COD (1 hr settled)	934	mg/l	Y Cov	WAS040
Sulphide as S	0.24	mg/l	Y Cov	WAS033
Methane, Dissolved	12	mg/l	N Cov	62

Analyst Comments for 12560418:

Sample filtered through a 0.45um filter prior to analysis



Sulphate analysed by ion chromatography due to interference with turbidimetric determination

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: 08 September 2011
	Title: Chemistry Operations Manager	

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560419**

Sample **8** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 1**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 14:30**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.148	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.026	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.079	mg/l	Y Cov	WAS049
pH	7.6	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	8060	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	3870	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	629	mg/l	Y Cov	WAS055
Chloride as Cl	953	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
Sulphate as SO4	3.0	mg/l	Y Cov	WAS036
Suspended Solids	60.0	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	41	mg/l	Y Cov	WAS001
COD (1 hr settled)	768	mg/l	Y Cov	WAS040
Sulphide as S	0.28	mg/l	Y Cov	WAS033
Methane, Dissolved	18	mg/l	N Cov	62

Analyst Comments for 12560419:

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: **08 September 2011**

Title:

Chemistry Operations Manager

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12560420**

Sample **9** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW5**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 15:00**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.528	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.028	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.127	mg/l	Y Cov	WAS049
pH	7.4	pH units	Y Cov	WAS039
Conductivity- Electrical 20C	6730	uS/cm	Y Cov	WAS039
Alkalinity as CaCO3	2720	mg/l	Y Cov	WAS025
Ammoniacal Nitrogen as N	514	mg/l	Y Cov	WAS055
Chloride as Cl	792	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
Sulphate, total as SO4 by I.C.	<5.00	mg/l	Y Cov	CON27
Suspended Solids	154	mg/l	Y Cov	WAS006
BOD + ATU (5 day)	28	mg/l	Y Cov	WAS001
COD (1 hr settled)	817	mg/l	Y Cov	WAS040
Sulphide as S	0.18	mg/l	Y Cov	WAS033
Methane, Dissolved	4.4	mg/l	N Cov	62

Analyst Comments for 12560420:

Sample filtered through a 0.45um filter prior to analysis

{/*}Incorrect sample container received for Dissolved Methane, therefore the result is indicative only.{*/}

Sulphate analysed by ion chromatography due to interference with turbidimetric determination

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: **08 September 2011**

Title:

Chemistry Operations Manager

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561014**

Sample **10** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Tank FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 10:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.056	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.039	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.052	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	729	mg/l	Y Cov	WAS055
Sulphide as S	0.07	mg/l	Y Cov	WAS033

Analyst Comments for 12561014:

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: **08 September 2011**

Title:

Chemistry Operations Manager

Severn Trent Services

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561015**

Sample **11** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW2 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 10:45**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.066	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.025	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.043	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	86.3	mg/l	Y Cov	WAS036
Sulphide as S	0.18	mg/l	Y Cov	WAS033

Analyst Comments for 12561015:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561016**

Sample **12** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW3 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 11:20**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.056	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.035	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.043	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	284	mg/l	Y Cov	WAS055
Sulphide as S	44.51	mg/l	Y Cov	WAS033

Analyst Comments for 12561016:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561017**

Sample **13** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 8 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 11:45**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.050	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.023	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.044	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	5.87	mg/l	Y Cov	WAS036
Sulphide as S	0.13	mg/l	Y Cov	WAS033

Analyst Comments for 12561017:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561018**

Sample **14** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 20 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 12:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.061	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.037	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.063	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	926	mg/l	Y Cov	WAS055
Sulphide as S	0.14	mg/l	Y Cov	WAS033

Analyst Comments for 12561018:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561019**

Sample **15** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 4 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 13:15**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.073	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.058	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.075	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	662	mg/l	Y Cov	WAS055
Sulphide as S	0.06	mg/l	Y Cov	WAS033

Analyst Comments for 12561019:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561020**

Sample **16** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 2 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 13:50**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.172	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.031	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.075	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	427	mg/l	Y Cov	WAS055
Sulphide as S	0.30	mg/l	Y Cov	WAS033

Analyst Comments for 12561020:

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: **08 September 2011**

Title:

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561021**

Sample **17** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Well 1 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 14:30**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.064	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.042	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.050	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	494	mg/l	Y Cov	WAS055
Sulphide as S	0.25	mg/l	Y Cov	WAS033

Analyst Comments for 12561021:

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:

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Date: **08 September 2011**

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Report Number: **BRD/801220/2011**

Issue **1**

Laboratory Number: **12561022**

Sample **18** of **18**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **GEW5 FILTERED**

Sample Matrix: **Ground waters**

Sample Date/Time: **23 August 2011 15:00**

Sample Received: **23 August 2011**

Analysis Complete: **08 September 2011**

Test Description	Result	Units	Accreditation	Method
Aluminium, Total as Al	0.155	mg/l	Y Cov	WAS049
Copper, Total as Cu	0.070	mg/l	Y Cov	WAS049
Zinc, Total as Zn	0.243	mg/l	Y Cov	WAS049
Ammoniacal Nitrogen as N	604	mg/l	Y Cov	WAS055
Sulphide as S	0.22	mg/l	Y Cov	WAS033

Analyst Comments for 12561022:

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: **08 September 2011**

Title:

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