

Certificate of Analysis

Sample Number:

5230822

Date Issued: 06-Oct-2020

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FAO: Glyn Leppitt
PCC Chelson Meadow
Yetta Farm
Mount
Bodmin
CORNWALL
PL30 4EZ

From: SWW Laboratory Services
Exeter Laboratories
Bridge Road
Exeter
EX2 7AA
Tel: 01392 205700
Fax: 01392 205756

Sampler	Glyn Leppitt (GLEPPITT)
Sampled date	25-Aug-2020 08:10
Sampling point	PRIVATE SAMPLES (PRIVATE)
Collected from	CMBH100
Sample matrix	Ground Water
Material code	Groundwater (E03)
Purpose code	Private (P)
Sampling method	Single spot (S)
Date Sample Received	26-Aug-2020 09:36
Date authorised	6-Oct-2020 13:51

ONSITE MEASUREMENT AND OBSERVATIONS

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>
Temperature	15.5	°C		N

ORGANIC CHEMISTRY

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>	<u>Method Reference</u>
List 1 - See Sub Contracted Lab C of A	1915874			U #	SUB-CONTRACTED



1361

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Comments

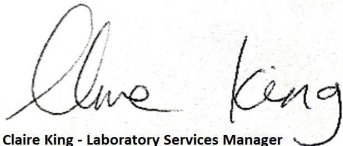
None

KEY TO ABBREVIATIONS AND NOTES

- U Analysis is UKAS ISO17025 accredited
- N Analysis is not accredited
- # Analysis subcontracted

LIMIT DESCRIPTION

Under the authority of



Claire King - Laboratory Services Manager

Details of date(s) analysis commenced, analytical methods and estimated uncertainty of results are available from the Laboratory address above. The results are given for the sample as received by the laboratory. Sampling is outside the scope of UKAS accreditation. Opinions and interpretations are outside the scope of UKAS accreditation. This Certificate of Analysis shall not be reproduced except in full, without the written approval of the laboratory. The validity of results with 'Associated Deviations' on the Certificate of Analysis may be compromised. The validity of results may be compromised when a result is highlighted on the Certificate of Analysis as analysed or received outside sample stability time or is missing a date and time of sampling. Stability times have not been allocated to calculated results. Validity of calculated results may be compromised if an associated analysis on your C of A has been analysed outside of its recommended stability time.



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Sample Point Description: **South West Water**
Sample Description: **E20/010194**
Sample Matrix: **Ground Water**
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Analysis Complete: **01 October 2020**

Issue **1**
Sample **4** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Cadmium , Total as Cd	0.001	mg/l	03/09/2020	Y Cov	WAS049
Mercury, Total as Hg	0.00058	mg/l	08/09/2020	Y Cov	WAS013
Cyanide, Total as CN	<0.009	mg/l	01/09/2020	Y Cov	WAS018
1,2,3-Trichlorobenzene	<10	ng/l	01/10/2020	Y Cov	GEO47
1,2,4-Trichlorobenzene	<10	ng/l	01/10/2020	Y Cov	GEO47
1,3,5-Trichlorobenzene	<10	ng/l	22/09/2020	N Cov	GEO47
SVOC with TICs	Y	ug/l	02/09/2020	N Cov	GEO40
Aldrin	<5	ng/l	01/10/2020	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	22/09/2020	Y Cov	GEO47
alpha-HCH	<4	ng/l	22/09/2020	Y Cov	GEO47
beta-Endosulphan	<6	ng/l	22/09/2020	Y Cov	GEO47
beta-HCH	<4	ng/l	22/09/2020	Y Cov	GEO47
alpha-Chlordane	<6	ng/l	22/09/2020	Y Cov	GEO47
Dichlobenil	<4	ng/l	22/09/2020	Y Cov	GEO47
Dieldrin	<5	ng/l	22/09/2020	Y Cov	GEO47
Endrin	<6	ng/l	22/09/2020	Y Cov	GEO47
gamma-HCH	<4.3	ng/l	22/09/2020	Y Cov	GEO47
Heptachlor Epoxide	<6	ng/l	01/10/2020	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	22/09/2020	Y Cov	GEO47
Hexachlorobutadiene	<7	ng/l	22/09/2020	N Cov	GEO47
Isodrin	<6	ng/l	01/10/2020	Y Cov	GEO47
o,p - DDE	<4	ng/l	22/09/2020	Y Cov	GEO47
p,p - DDE	<4	ng/l	22/09/2020	Y Cov	GEO47

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Test Description	Result	Units	Analysis Date	Accreditation	Method
o,p - TDE	<4	ng/l	22/09/2020	Y Cov	GEO47
p,p - TDE	<4	ng/l	22/09/2020	Y Cov	GEO47
o,p - DDT	<5	ng/l	22/09/2020	Y Cov	GEO47
p,p - DDT	<6	ng/l	22/09/2020	Y Cov	GEO47
Tecnazene	<14	ng/l	22/09/2020	Y Cov	GEO47
gamma-Chlordane	<6	ng/l	22/09/2020	Y Cov	GEO47
Triallate	<17	ng/l	22/09/2020	Y Cov	GEO47
Trifluralin	<30	ng/l	22/09/2020	Y Cov	GEO47
Azinphos-ethyl	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	22/09/2020	Y Cov	GEO47
Chlorfenvinphos	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Diazinon	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Dichlorvos	<0.002	ug/l	01/10/2020	Y Cov	GEO47
Dimethoate	<0.02	ug/l	01/10/2020	Y Cov	GEO47
Fenitrothion	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Fenthion	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Malathion	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Mevinphos	<0.020	ug/l	01/10/2020	Y Cov	GEO47
Parathion-ethyl	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Parathion-methyl	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Phorate	<0.006	ug/l	22/09/2020	Y Cov	GEO47
Phosalone	<0.007	ug/l	22/09/2020	Y Cov	GEO47

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Pirimiphos-methyl	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Propetamphos	<0.003	ug/l	01/10/2020	Y Cov	GEO47
Triazophos	<0.004	ug/l	22/09/2020	Y Cov	GEO47
2,3,6 - TBA	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4 - D	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4 - DB	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4,5 - T	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Benazolin	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Bentazone	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Chlopyralid	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Bromoxynil	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dicamba	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dichlorprop	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Fenoprop	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Ioxynil	<0.10	ug/l	07/09/2020	Y Cov	GEO20
MCPA	<0.10	ug/l	07/09/2020	Y Cov	GEO20
MCPB	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Triclopyr	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Mecoprop	0.17	ug/l	07/09/2020	Y Cov	GEO20
EH >C6 - C40	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C6 - C8	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C8 - C10	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C16 - C24	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C24 - C40	<10	ug/l	02/09/2020	N Cov	GEO35

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EH >C10 - C16	<10	ug/l	02/09/2020	N Cov	GEO35
Organo-tin	<0.02	ug/l	07/09/2020	N Cov	GEO24
Tributyl Tin	<0.02	ug/l	07/09/2020	Y Cov	GEO24
Triphenyl Tin	<0.02	ug/l	07/09/2020	Y Cov	GEO24
SVOC	Y	ug/l	02/09/2020	N Cov	GEO40
Phenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Chlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,4-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
3&4-Methylphenol	<1.0	ug/l	02/09/2020	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	02/09/2020	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Isophorone	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dimethylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40

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Naphthalene	<2.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	02/09/2020	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Fluorene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	02/09/2020	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
di-n-Butylphthalate	3.8	ug/l	02/09/2020	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40

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Pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Chrysene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	02/09/2020	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Fluorophenol	78.1	%Recovery	02/09/2020	N Cov	GEO40
Phenol-d6	76.9	%Recovery	02/09/2020	N Cov	GEO40
Nitrobenzene-d5	80.8	%Recovery	02/09/2020	N Cov	GEO40
2-Fluorobiphenyl	80.9	%Recovery	02/09/2020	N Cov	GEO40
2,4,6-Tribromophenol	91.2	%Recovery	02/09/2020	N Cov	GEO40
Terphenyl-d14	92.9	%Recovery	02/09/2020	N Cov	GEO40
Fluoroxypyr	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dichlorodifluoromethane	<1.00	ug/l	02/09/2020	N Cov	GEO76
Chloromethane	<2.00	ug/l	02/09/2020	Y Cov	GEO76
Vinyl Chloride	<0.500	ug/l	02/09/2020	Y Cov	GEO76
Bromomethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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Trichlorofluoromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dichloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
MTBE	<4.00	ug/l	08/09/2020	Y Cov	GEO76
trans-1,2-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
cis-1,2-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
2,2-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromochloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chloroform	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,1-Trichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Carbon Tetrachloride	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Benzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Trichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dibromomethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromodichloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
cis-1,3-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Toluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
trans-1,3-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,2-Trichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Tetrachloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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1,3-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dibromochloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dibromoethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,1,2-Tetrachloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Ethyl Benzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
m&p Xylene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
o-Xylene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Styrene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromoform	<1.00	ug/l	02/09/2020	Y Cov	GEO76
iso-Propylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,2,2-Tetrachloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,3-Trichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
n-propylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
2-Chlorotoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,3,5-Trimethylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
4-Chlorotoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
tert-Butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,4-Trimethylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
sec-butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
p-isopropyltoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,3-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,4-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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ANALYSED BY



Report Number: **COV/1915874/2020**
Laboratory Number: **19623628**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010194**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020** **08:10**
Sample Received: **26 August 2020**
Analysis Complete: **01 October 2020**

Issue **1**
Sample **4** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
n-butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dibromo-3-chloropropane	<2.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,4-Trichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Hexachlorobutadiene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Naphthalene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,3-Trichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Xylene, Total	<1.00	ug/l	02/09/2020	N Cov	GEO76
VOC with TIC	0	ug/l	02/09/2020	N Cov	GEO76
Chlorotoluron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Diuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Isoproturon	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Linuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Methabenzthiazuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Monolinuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Monuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37

Analyst Comments for 19623628:

This sample has been analysed for Pesticides method GEO47 outside recommended stability times. It is therefore possible that the results provided may be compromised. See attached SVOC TIC report. {*/} Please see attached report for VOC-TIC results. Reporting limits raised for VOC analysis due to nature of sample matrix.

This sample was re-analysed for VOC analysis due to quality failure on the original analysis and sample for repeat was taken with the presence of headspace created from the original analysis. It is therefore possible that the results provided could be compromised.

{*/}

Acid Herbicides & Pesticides reporting limits raised due to nature of sample matrix.

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This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG), F = Data supplied by customer.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:



Name: **A. Zunzunegui**

Date: **01 October 2020**

Title: **Dept Organic Technical Manager**

Certificate of Analysis

Sample Number:

5230825

Date Issued: 06-Oct-2020

Page 1 of 2

FAO: Glyn Leppitt
PCC Chelson Meadow
Yetta Farm
Mount
Bodmin
CORNWALL
PL30 4EZ

From: SWW Laboratory Services
Exeter Laboratories
Bridge Road
Exeter
EX2 7AA
Tel: 01392 205700
Fax: 01392 205756

Sampler	Glyn Leppitt (GLEPPITT)
Sampled date	25-Aug-2020 08:10
Sampling point	PRIVATE SAMPLES (PRIVATE)
Collected from	CMBH100
Sample matrix	Ground Water
Material code	Groundwater (E03)
Purpose code	Private (P)
Sampling method	Single spot (S)
Date Sample Received	25-Aug-2020 14:10
Date authorised	6-Oct-2020 14:08

ONSITE MEASUREMENT AND OBSERVATIONS

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>
Temperature	15.1	°C		N

ORGANIC CHEMISTRY

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>	<u>Method Reference</u>
List 2 - See Sub Contracted Lab C of A	1915870			U #	SUB-CONTRACTED



1361

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Comments

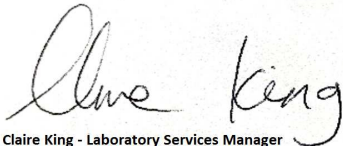
None

KEY TO ABBREVIATIONS AND NOTES

- U Analysis is UKAS ISO17025 accredited
- N Analysis is not accredited
- # Analysis subcontracted

LIMIT DESCRIPTION

Under the authority of



Claire King - Laboratory Services Manager

Details of date(s) analysis commenced, analytical methods and estimated uncertainty of results are available from the Laboratory address above. The results are given for the sample as received by the laboratory. Sampling is outside the scope of UKAS accreditation. Opinions and interpretations are outside the scope of UKAS accreditation. This Certificate of Analysis shall not be reproduced except in full, without the written approval of the laboratory. The validity of results with 'Associated Deviations' on the Certificate of Analysis may be compromised. The validity of results may be compromised when a result is highlighted on the Certificate of Analysis as analysed or received outside sample stability time or is missing a date and time of sampling. Stability times have not been allocated to calculated results. Validity of calculated results may be compromised if an associated analysis on your C of A has been analysed outside of its recommended stability time.

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Certificate of Analysis

ANALYSED BY



Report Number: **COV/1915870/2020**
Laboratory Number: **19623613**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010141**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020 08:10**
Sample Received: **26 August 2020**
Analysis Complete: **11 September 2020**

Issue **1**
Sample **4** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Silver , Total as Ag	<0.0007	mg/l	10/09/2020	N Cov	WAS049
Ammoniacal Nitrogen as N	32.1	mg/l	30/08/2020	N Cov	WAS036
Nitrate as N	<0.7	mg/l	30/08/2020	N Cov	WAS036
Fluoride as F	1.4	mg/l	01/09/2020	Y Cov	WAS029
Beryllium, total as Be (mg/l)	<0.0060	mg/l	10/09/2020	Y Cov	WAS076
Boron, total as B (mg/l)	4.8	mg/l	10/09/2020	Y Cov	WAS076
Phosphorus, total as P (mg/l)	0.45	mg/l	10/09/2020	Y Cov	WAS076
Titanium, total as Ti (mg/l)	0.017	mg/l	10/09/2020	Y Cov	WAS076
Vanadium, total as V (mg/l)	0.030	mg/l	10/09/2020	Y Cov	WAS076
Chromium, total as Cr (mg/l)	0.016	mg/l	10/09/2020	Y Cov	WAS076
Cobalt, total as Co (mg/l)	0.049	mg/l	10/09/2020	Y Cov	WAS076
Nickel, total as Ni (mg/l)	0.13	mg/l	10/09/2020	Y Cov	WAS076
Copper, total as Cu (mg/l)	0.19	mg/l	10/09/2020	Y Cov	WAS076
Zinc, total as Zn (mg/l)	0.28	mg/l	10/09/2020	Y Cov	WAS076
Arsenic, total as As (mg/l)	0.038	mg/l	10/09/2020	Y Cov	WAS076
Selenium, total as Se (mg/l)	<0.0060	mg/l	10/09/2020	Y Cov	WAS076
Molybdenum, total as Mo (mg/l)	<0.027	mg/l	10/09/2020	Y Cov	WAS076
Tin, total as Sn (mg/l)	<0.015	mg/l	10/09/2020	Y Cov	WAS076
Antimony, total as Sb (mg/l)	<0.016	mg/l	10/09/2020	Y Cov	WAS076
Tellurium, total as Te (mg/l)	<0.0035	mg/l	10/09/2020	Y Cov	WAS076
Barium, total as Ba (mg/l)	0.74	mg/l	10/09/2020	Y Cov	WAS076
Thallium, total as Tl (mg/l)	<0.0075	mg/l	10/09/2020	Y Cov	WAS076
Lead, total as Pb (mg/l)	0.58	mg/l	10/09/2020	Y Cov	WAS076

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Report Number: **COV/1915870/2020**
Laboratory Number: **19623613**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010141**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020 08:10**
Sample Received: **26 August 2020**
Analysis Complete: **11 September 2020**

Issue **1**
Sample **4** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Uranium, total as U(mg/l)	0.039	mg/l	10/09/2020	Y Cov	WAS076

Analyst Comments for 19623613:

This sample has been analysed for Nitrate as N, Boron, total as B(mg/l), Tin, total as Sn(mg/l) outside recommended stability times. It is therefore possible that the results provided may be compromised. {*/}
Reporting limit raised for metals due to interference from sample matrix.{*/}

This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG), F = Data supplied by customer.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:

Name: **A. Zunzunegui**

Date: **11 September 2020**

Title: **Dept Organic Technical Manager**

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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 20-28289

Issue: 1

Date of Issue: 04/06/2020

Contact: Glyn Leppitt

Customer Details: Leppitt Associates
Yetta
Mount
Bodmin
Cornwall PL30 4EZ

Quotation No: Q17-00783

Order No: Not Supplied

Customer Reference: Not Supplied

Date Received: 29/05/2020

Date Approved: 04/06/2020

Details: Chelson LTP

Approved by: 

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 20-28289, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
204957	CM1	27/05/2020	29/05/2020	Silty loam	
204958	CM2	27/05/2020	29/05/2020	Silty loam	

CM1 OUTSIDE LTP

CM2 WITHIN LTP

Results Summary

Report No.: 20-28289, issue number 1

ELAB Reference	204957	204958
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	CM1	CM2
Sample Depth (m)		
Sampling Date	27/05/2020	27/05/2020

Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None
Metals					
Arsenic	M	mg/kg	1	41.6	26.1
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	39.5	34.7
Copper	M	mg/kg	5	51.7	50.9
Lead	M	mg/kg	5	105	84.2
Mercury	M	mg/kg	0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	45.7	37.4
Selenium	M	mg/kg	1	< 1.0	< 1.0
Zinc	M	mg/kg	5	190	187
Inorganics					
Elemental Sulphur	M	mg/kg	20	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2
Thiocyanate	N	mg/kg	4	< 4.0	< 4.0
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0
Acid Soluble Sulphate (SO ₄)	U	%	0.02	0.06	0.06
Water Soluble Boron	N	mg/kg	0.5	1.6	1.6
Miscellaneous					
pH	M	pH units	0.1	7.4	7.5
Total Organic Carbon	N	%	0.01	4.0	4.2
Polyaromatic hydrocarbons					
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.3	0.4
Anthracene	M	mg/kg	0.1	< 0.1	0.1
Fluoranthene	M	mg/kg	0.1	1.2	0.7
Pyrene	M	mg/kg	0.1	0.5	0.6
Benzo(a)anthracene	M	mg/kg	0.1	0.3	0.4
Chrysene	M	mg/kg	0.1	0.3	0.4
Benzo(b)fluoranthene	M	mg/kg	0.1	0.6	0.5
Benzo(k)fluoranthene	M	mg/kg	0.1	0.6	0.6
Benzo(a)pyrene	M	mg/kg	0.1	0.3	0.4
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.3	0.2
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.3	0.3
Total PAH(16)	M	mg/kg	0.4	4.8	4.8
Total PAH (Including Coronene GC-FID)	N	mg/kg	2	5	5



2683



Results Summary

Report No.: 20-28289, issue number 1

ELAB Reference	204957	204958
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	CM1	CM2
Sample Depth (m)		
Sampling Date	27/05/2020	27/05/2020

Determinand	Codes	Units	LOD		
BTEX					
Benzene	M	ug/kg	10	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	< 10.0
Total BTEX	N	mg/kg	0.01	< 0.01	< 0.01
TPH CWG					
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	9.4	5.6
>C35-C40 Aliphatic	N	mg/kg	1	4.8	2.7
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	1.2	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	2.6	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	26.9	14.1
>C35-C40 Aromatic	N	mg/kg	1	16.6	11.4
Total (>C5-C40) Ali/Aro	N	mg/kg	1	61.5	33.8
Total Petroleum Hydrocarbons					
Mineral Oil	M	mg/kg	5	^ 39	^ 25
PCB (ICES 7 congeners)					
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03	< 0.03



Results Summary

2683

Report No.: 20-28289, issue number 1

WAC Analysis

Elab Ref:	204958					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	27/05/2020					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	CM2							
Depth (m)								
Site:	Chelson LTP							
Determinand		Code	Units					
Total Organic Carbon		N	%	4.20	3	5	6	
Loss on Ignition		M	%		--	--	10	
Total BTEX		M	mg/kg	< 0.01	6	--	--	
Total PCBs (7 congeners)		M	mg/kg	< 0.03	1	--	--	
TPH Total WAC		M	mg/kg	25	500	--	--	
Total (of 17) PAHs		N	mg/kg	5.0	100	--	--	
pH		M		7.5	--	>6	--	
Acid Neutralisation Capacity		N	mol/kg		--	To evaluate	To evaluate	

Eluate Analysis

			10:1	10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l	mg/kg			
Arsenic	N	< 0.005	< 0.05	0.5	2	25	
Barium	N	0.012	0.12	20	100	300	
Cadmium	N	< 0.001	< 0.01	0.04	1	5	
Chromium	N	< 0.005	< 0.05	0.5	10	70	
Copper	N	0.008	0.08	2	50	100	
Mercury	N	< 0.005	< 0.01	0.01	0.2	2	
Molybdenum	N	< 0.005	< 0.05	0.5	10	30	
Nickel	N	< 0.001	< 0.05	0.4	10	40	
Lead	N	0.002	< 0.05	0.5	10	50	
Antimony	N	< 0.005	< 0.05	0.06	0.7	5	
Selenium	N	< 0.005	< 0.05	0.1	0.5	7	
Zinc	N	0.009	0.09	4	50	200	
Chloride	N	< 5	< 50	800	15000	25000	
Fluoride	N	< 5	< 10	10	150	500	
Sulphate	N	2	23.10	1000	20000	50000	
Total Dissolved Solids	N	173	1730.00	4000	60000	100000	
Phenol Index	N	< 0.01	< 0.10	1	-	-	
Dissolved Organic Carbon	N	16.500	165.00	500	800	1000	

Leach Test Information

pH	N	10.0				
Conductivity (uS/cm)	N	258				
Dry mass of test portion (g)		100.000				
Dry Matter (%)		90				
Moisture (%)		12				
Eluent Volume (ml)		952				

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

2683

Report No.: 20-28289, issue number 1

WAC Analysis

Elab Ref:					Landfill Waste Acceptance Criteria Limits*		
204957					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample Date:							
27/05/2020							
Sample ID:							
CM1							
Depth (m)							
Site:							
Chelson LTP							
Determinand	Code	Units					
Total Organic Carbon	N	%	4.00	3	5	6	
Loss on Ignition	M	%		--	--	10	
Total BTEX	M	mg/kg	< 0.01	6	--	--	
Total PCBs (7 congeners)	M	mg/kg	< 0.03	1	--	--	
TPH Total WAC	M	mg/kg	39	500	--	--	
Total (of 17) PAHs	N	mg/kg	5.0	100	--	--	
pH	M		7.4	--	>6	--	
Acid Neutralisation Capacity	N	mol/kg		--	To evaluate	To evaluate	

Eluate Analysis

	Code	10:1	10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
		mg/l	mg/kg			
Arsenic	N	< 0.005	< 0.05	0.5	2	25
Barium	N	0.008	0.08	20	100	300
Cadmium	N	< 0.001	< 0.01	0.04	1	5
Chromium	N	< 0.005	< 0.05	0.5	10	70
Copper	N	0.007	0.07	2	50	100
Mercury	N	< 0.005	< 0.01	0.01	0.2	2
Molybdenum	N	< 0.005	< 0.05	0.5	10	30
Nickel	N	< 0.001	< 0.05	0.4	10	40
Lead	N	0.002	< 0.05	0.5	10	50
Antimony	N	< 0.005	< 0.05	0.06	0.7	5
Selenium	N	< 0.005	< 0.05	0.1	0.5	7
Zinc	N	0.006	0.06	4	50	200
Chloride	N	< 5	< 50	800	15000	25000
Fluoride	N	< 5	< 10	10	150	500
Sulphate	N	3	25.70	1000	20000	50000
Total Dissolved Solids	N	147	1470.00	4000	60000	100000
Phenol Index	N	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon	N	15.500	155.00	500	800	1000

Leach Test Information

pH	N	7.9				
Conductivity (uS/cm)	N	219				
Dry mass of test portion (g)		100.000				
Dry Matter (%)		88				
Moisture (%)		14				
Eluent Volume (ml)		954				

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Method Summary

Report No.: 20-28289, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	04/06/2020	109	Colorimetry
Hexavalent chromium	N	As submitted sample	01/06/2020	110	Colorimetry
pH	M	Air dried sample	02/06/2020	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	02/06/2020	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	01/06/2020	118	ICPMS
Elemental Sulphur	M	Air dried sample	01/06/2020	122	HPLC
PAH (GC-FID)	M	As submitted sample	01/06/2020	133	GC-FID
Thiocyanate	N	As submitted sample	02/06/2020	146	Colorimetry
Low range Aliphatic hydrocarbons soil	N	As submitted sample	03/06/2020	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	03/06/2020	181	GC-MS
Water soluble boron	N	Air dried sample	01/06/2020	202	Colorimetry
Total cyanide	M	As submitted sample	01/06/2020	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	01/06/2020	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	03/06/2020	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	01/06/2020	214	GC-FID
Leachate					
Arsenic	N		03/06/2020	101	ICPMS
Cadmium	N		03/06/2020	101	ICPMS
Chromium	N		03/06/2020	101	ICPMS
Lead	N		03/06/2020	101	ICPMS
Nickel	N		03/06/2020	101	ICPMS
Copper	N		03/06/2020	101	ICPMS
Zinc	N		03/06/2020	101	ICPMS
Mercury	N		03/06/2020	101	ICPMS
Selenium	N		03/06/2020	101	ICPMS
Antimony	N		03/06/2020	101	ICPMS
Barium	N		03/06/2020	101	ICPMS
Molybdenum	N		03/06/2020	101	ICPMS
pH Value	N		03/06/2020	113	Electrometric
Electrical Conductivity	N		03/06/2020	136	Probe
Dissolved Organic Carbon	N		03/06/2020	102	TOC analyser
Chloride	N		03/06/2020	131	Ion Chromatography
Fluoride	N		03/06/2020	131	Ion Chromatography
Sulphate	N		03/06/2020	131	Ion Chromatography
Total Dissolved Solids	N		03/06/2020	144	Gravimetric
Phenol index	N		03/06/2020	121	HPLC
WAC Solids analysis	N				
Total Organic Carbon	N	Air dried sample	03/06/2020	210	IR
Total BTEX	M	As submitted sample	03/06/2020	181	GCMS
Mineral Oil	M	As submitted sample	01/06/2020	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	02/06/2020	120	GCMS
Total PAH (17)	N	As submitted sample	03/06/2020	133	GCFID

Tests marked N are not UKAS accredited



Report Information

Report No.: 20-28289, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

Date Issued: 06-Oct-2020

Page 1 of 2

FAO: Glyn Leppitt
PCC Chelson Meadow
Yetta Farm
Mount
Bodmin
CORNWALL
PL30 4EZ

From: SWW Laboratory Services
Exeter Laboratories
Bridge Road
Exeter
EX2 7AA
Tel: 01392 205700
Fax: 01392 205756

Sampler	Glyn Leppitt (GLEPPITT)
Sampled date	25-Aug-2020 09:45
Sampling point	PRIVATE SAMPLES (PRIVATE)
Collected from	CMBH101
Sample matrix	Ground Water
Material code	Groundwater (E03)
Purpose code	Private (P)
Sampling method	Single spot (S)
Date Sample Received	26-Aug-2020 09:36
Date authorised	6-Oct-2020 13:51

ONSITE MEASUREMENT AND OBSERVATIONS

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>
Temperature	15.1	°C		N

ORGANIC CHEMISTRY

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>	<u>Method Reference</u>
List 1 - See Sub Contracted Lab C of A	1915874			U #	SUB-CONTRACTED



LABORATORY SERVICES

Date Issued: 06-Oct-2020

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Comments

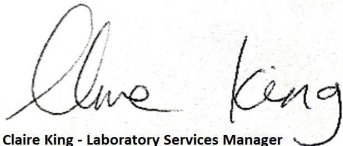
None

KEY TO ABBREVIATIONS AND NOTES

- U Analysis is UKAS ISO17025 accredited
- N Analysis is not accredited
- # Analysis subcontracted

LIMIT DESCRIPTION

Under the authority of



Claire King - Laboratory Services Manager

Details of date(s) analysis commenced, analytical methods and estimated uncertainty of results are available from the Laboratory address above. The results are given for the sample as received by the laboratory. Sampling is outside the scope of UKAS accreditation. Opinions and interpretations are outside the scope of UKAS accreditation. This Certificate of Analysis shall not be reproduced except in full, without the written approval of the laboratory. The validity of results with 'Associated Deviations' on the Certificate of Analysis may be compromised. The validity of results may be compromised when a result is highlighted on the Certificate of Analysis as analysed or received outside sample stability time or is missing a date and time of sampling. Stability times have not been allocated to calculated results. Validity of calculated results may be compromised if an associated analysis on your C of A has been analysed outside of its recommended stability time.

LABORATORY SERVICES

South West Water Ltd. Registered in England No. 2366665
A subsidiary of Pennon Group PLC. Registered office: Peninsula House, Rydon Lane, Exeter, EX2 7HR
Any queries please contact the Customer Support section on 01392 205700



Certificate of Analysis

ANALYSED BY



Report Number: **COV/1915874/2020**
Laboratory Number: **19623625**
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Issue **1**
Sample **1** of **4**

09:45

Test Description	Result	Units	Analysis Date	Accreditation	Method
Cadmium , Total as Cd	0.0052	mg/l	10/09/2020	Y Cov	WAS049
Mercury, Total as Hg	<0.00020	mg/l	28/08/2020	Y Cov	WAS013
Cyanide, Total as CN	<0.009	mg/l	01/09/2020	Y Cov	WAS018
1,2,3-Trichlorobenzene	<10	ng/l	01/10/2020	Y Cov	GEO47
1,2,4-Trichlorobenzene	<10	ng/l	01/10/2020	Y Cov	GEO47
1,3,5-Trichlorobenzene	<10	ng/l	22/09/2020	N Cov	GEO47
SVOC with TICs	Y	ug/l	02/09/2020	N Cov	GEO40
Aldrin	<5	ng/l	01/10/2020	Y Cov	GEO47
alpha-Endosulphan	<8	ng/l	22/09/2020	Y Cov	GEO47
alpha-HCH	<4	ng/l	22/09/2020	Y Cov	GEO47
beta-Endosulphan	<6	ng/l	22/09/2020	Y Cov	GEO47
beta-HCH	<4	ng/l	22/09/2020	Y Cov	GEO47
alpha-Chlordane	<6	ng/l	22/09/2020	Y Cov	GEO47
Dichlobenil	<4	ng/l	22/09/2020	Y Cov	GEO47
Dieldrin	<5	ng/l	22/09/2020	Y Cov	GEO47
Endrin	<6	ng/l	22/09/2020	Y Cov	GEO47
gamma-HCH	<4.3	ng/l	22/09/2020	Y Cov	GEO47
Heptachlor Epoxide	<6	ng/l	01/10/2020	Y Cov	GEO47
Hexachlorobenzene	<4	ng/l	22/09/2020	Y Cov	GEO47
Hexachlorobutadiene	<7	ng/l	22/09/2020	N Cov	GEO47
Isodrin	<6	ng/l	01/10/2020	Y Cov	GEO47
o,p - DDE	<4	ng/l	22/09/2020	Y Cov	GEO47
p,p - DDE	<4	ng/l	22/09/2020	Y Cov	GEO47

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Sample Description: **E20/010191**

Sample Matrix: **Ground Water**

Sample Date/Time: **25 August 2020 09:45**

Sample Received: **26 August 2020**

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Issue **1**

Sample **1** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
o,p - TDE	<4	ng/l	22/09/2020	Y Cov	GEO47
p,p - TDE	<4	ng/l	22/09/2020	Y Cov	GEO47
o,p - DDT	<5	ng/l	22/09/2020	Y Cov	GEO47
p,p - DDT	<6	ng/l	22/09/2020	Y Cov	GEO47
Tecnazene	<14	ng/l	22/09/2020	Y Cov	GEO47
gamma-Chlordane	<6	ng/l	22/09/2020	Y Cov	GEO47
Triallate	<17	ng/l	22/09/2020	Y Cov	GEO47
Trifluralin	<30	ng/l	22/09/2020	Y Cov	GEO47
Azinphos-ethyl	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Azinphos-methyl	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Carbophenothion	<0.006	ug/l	22/09/2020	Y Cov	GEO47
Chlorfenvinphos	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Chlorpyrifos	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Diazinon	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Dichlorvos	<0.002	ug/l	01/10/2020	Y Cov	GEO47
Dimethoate	<0.02	ug/l	01/10/2020	Y Cov	GEO47
Fenitrothion	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Fenthion	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Malathion	<0.004	ug/l	22/09/2020	Y Cov	GEO47
Mevinphos	<0.020	ug/l	01/10/2020	Y Cov	GEO47
Parathion-ethyl	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Parathion-methyl	<0.004	ug/l	01/10/2020	Y Cov	GEO47
Phorate	<0.006	ug/l	22/09/2020	Y Cov	GEO47
Phosalone	<0.007	ug/l	22/09/2020	Y Cov	GEO47

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Pirimiphos-methyl	<0.005	ug/l	01/10/2020	Y Cov	GEO47
Propetamphos	<0.003	ug/l	01/10/2020	Y Cov	GEO47
Triazophos	<0.004	ug/l	22/09/2020	Y Cov	GEO47
2,3,6 - TBA	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4 - D	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4 - DB	<0.10	ug/l	07/09/2020	Y Cov	GEO20
2,4,5 - T	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Benazolin	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Bentazone	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Chlopyralid	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Bromoxynil	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dicamba	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dichlorprop	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Fenoprop	<0.10	ug/l	07/09/2020	Y Cov	GEO20
loxynil	<0.10	ug/l	07/09/2020	Y Cov	GEO20
MCPA	<0.10	ug/l	07/09/2020	Y Cov	GEO20
MCPB	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Triclopyr	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Mecoprop	<0.08	ug/l	07/09/2020	Y Cov	GEO20
EH >C6 - C40	22	ug/l	02/09/2020	N Cov	GEO35
EH >C6 - C8	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C8 - C10	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C16 - C24	<10	ug/l	02/09/2020	N Cov	GEO35
EH >C24 - C40	22	ug/l	02/09/2020	N Cov	GEO35

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 Sample **1** of **4**

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Test Description	Result	Units	Analysis Date	Accreditation	Method
EH >C10 - C16	<10	ug/l	02/09/2020	N Cov	GEO35
Organo-tin	<0.02	ug/l	07/09/2020	N Cov	GEO24
Tributyl Tin	<0.02	ug/l	07/09/2020	Y Cov	GEO24
Triphenyl Tin	<0.02	ug/l	07/09/2020	Y Cov	GEO24
SVOC	Y	ug/l	02/09/2020	N Cov	GEO40
Phenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroethyl)ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Chlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,3-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,4-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Methylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
3&4-Methylphenol	<1.0	ug/l	02/09/2020	N Cov	GEO40
Dibenzofuran	<1.0	ug/l	02/09/2020	N Cov	GEO40
1,2-Dichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroisopropyl)ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
n-Nitrosodi-n-propylamine	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachloroethane	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Nitrobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Isophorone	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dimethylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Nitrophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-chloroethoxy)methane	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
1,2,4-Trichlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40

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Sample **1** of **4**

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Test Description	Result	Units	Analysis Date	Accreditation	Method
Naphthalene	<2.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachlorobutadiene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
4-Chloro-3-methylphenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Methylnaphthalene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4,6-Trichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4,5-Trichlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Chloronaphthalene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Dimethylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,6-Dinitrotoluene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Acenaphthylene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Acenaphthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2,4-Dinitrotoluene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Diethylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
4-Nitrophenol	<5.0	ug/l	02/09/2020	Y Cov	GEO40
4-Chlorophenyl phenyl ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Fluorene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Diphenylamine	<1.0	ug/l	02/09/2020	N Cov	GEO40
4-Bromophenyl Phenyl Ether	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Hexachlorobenzene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Pentachlorophenol	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Phenanthrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
di-n-Butylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40

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Sample **1** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzyl Butyl Phthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(a)anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Chrysene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Bis(2-ethylhexyl)phthalate	<5.0	ug/l	02/09/2020	Y Cov	GEO40
Di-n-octylphthalate	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(b)fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(k)fluoranthene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(a)pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Indeno(1,2,3-c,d)pyrene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Dibenz(a,h)anthracene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
Benzo(g,h,i)perylene	<1.0	ug/l	02/09/2020	Y Cov	GEO40
2-Fluorophenol	83.3	%Recovery	02/09/2020	N Cov	GEO40
Phenol-d6	72.7	%Recovery	02/09/2020	N Cov	GEO40
Nitrobenzene-d5	82.8	%Recovery	02/09/2020	N Cov	GEO40
2-Fluorobiphenyl	85.6	%Recovery	02/09/2020	N Cov	GEO40
2,4,6-Tribromophenol	87.2	%Recovery	02/09/2020	N Cov	GEO40
Terphenyl-d14	92.5	%Recovery	02/09/2020	N Cov	GEO40
Fluoroxypyr	<0.10	ug/l	07/09/2020	Y Cov	GEO20
Dichlorodifluoromethane	<1.00	ug/l	02/09/2020	N Cov	GEO76
Chloromethane	<2.00	ug/l	02/09/2020	Y Cov	GEO76
Vinyl Chloride	<0.500	ug/l	02/09/2020	Y Cov	GEO76
Bromomethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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09:45

Test Description	Result	Units	Analysis Date	Accreditation	Method
Trichlorofluoromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dichloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
MTBE	<1.00	ug/l	02/09/2020	Y Cov	GEO76
trans-1,2-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
cis-1,2-Dichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
2,2-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromochloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chloroform	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,1-Trichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Carbon Tetrachloride	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Benzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Trichloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dibromomethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromodichloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
cis-1,3-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Toluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
trans-1,3-Dichloropropene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,2-Trichloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Tetrachloroethene	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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Test Description	Result	Units	Analysis Date	Accreditation	Method
1,3-Dichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Dibromochloromethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dibromoethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Chlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,1,2-Tetrachloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Ethyl Benzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
m&p Xylene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
o-Xylene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Styrene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromoform	<1.00	ug/l	02/09/2020	Y Cov	GEO76
iso-Propylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,1,2,2-Tetrachloroethane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,3-Trichloropropane	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Bromobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
n-propylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
2-Chlorotoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,3,5-Trimethylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
4-Chlorotoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
tert-Butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,4-Trimethylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
sec-butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
p-isopropyltoluene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,3-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,4-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76

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Certificate of Analysis

ANALYSED BY



Report Number: **COV/1915874/2020**
Laboratory Number: **19623625**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010191**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020**
Sample Received: **26 August 2020**
Analysis Complete: **01 October 2020**

Issue **1**
Sample **1** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
n-butylbenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2-Dibromo-3-chloropropane	<2.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,4-Trichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Hexachlorobutadiene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Naphthalene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
1,2,3-Trichlorobenzene	<1.00	ug/l	02/09/2020	Y Cov	GEO76
Xylene, Total	<1.00	ug/l	02/09/2020	N Cov	GEO76
VOC with TIC	0	ug/l	02/09/2020	N Cov	GEO76
Chlorotoluron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Diuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Isoproturon	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Linuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Methabenzthiazuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Monolinuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37
Monuron	<0.50	ug/l	09/09/2020	Y Cov	GEO37

Analyst Comments for 19623625:

This sample has been analysed for Pesticides method GEO47 outside recommended stability times. It is therefore possible that the results provided may be compromised. {*/}Reporting limit raised for mercury due to sample matrix interference.
Please see attached report for VOC-TIC results.{*/}
See attached SVOC TIC report.
Acid Herbicides & Pesticides reporting limits raised due to nature of sample matrix.
Raised reporting limit for Sub Ureas due to nature of sample matrix.

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This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG), F = Data supplied by customer.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:



Name: **A. Zunzunegui**

Date: **01 October 2020**

Title: **Dept Organic Technical Manager**

FAO: Glyn Leppitt
PCC Chelson Meadow
Yetta Farm
Mount
Bodmin
CORNWALL
PL30 4EZ

From: SWW Laboratory Services
Exeter Laboratories
Bridge Road
Exeter
EX2 7AA
Tel: 01392 205700
Fax: 01392 205756

Sampler	Glyn Leppitt (GLEPPITT)
Sampled date	25-Aug-2020 09:45
Sampling point	PRIVATE SAMPLES (PRIVATE)
Collected from	CMB101
Sample matrix	Ground Water
Material code	Groundwater (E03)
Purpose code	Private (P)
Sampling method	Single spot (S)
Date Sample Received	25-Aug-2020 14:10
Date authorised	6-Oct-2020 14:08

ONSITE MEASUREMENT AND OBSERVATIONS

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>
Temperature	15.1	°C		N

ORGANIC CHEMISTRY

<u>On Site Measurements</u>	<u>Result</u>	<u>Unit</u>	<u>Limits</u>	<u>Notes</u>	<u>Method Reference</u>
List 2 - See Sub Contracted Lab C of A	1915870			U #	SUB-CONTRACTED



LABORATORY SERVICES

Comments

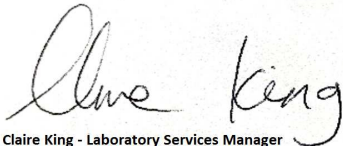
None

KEY TO ABBREVIATIONS AND NOTES

- U Analysis is UKAS ISO17025 accredited
- N Analysis is not accredited
- # Analysis subcontracted

LIMIT DESCRIPTION

Under the authority of



Claire King - Laboratory Services Manager

Details of date(s) analysis commenced, analytical methods and estimated uncertainty of results are available from the Laboratory address above. The results are given for the sample as received by the laboratory. Sampling is outside the scope of UKAS accreditation. Opinions and interpretations are outside the scope of UKAS accreditation. This Certificate of Analysis shall not be reproduced except in full, without the written approval of the laboratory. The validity of results with 'Associated Deviations' on the Certificate of Analysis may be compromised. The validity of results may be compromised when a result is highlighted on the Certificate of Analysis as analysed or received outside sample stability time or is missing a date and time of sampling. Stability times have not been allocated to calculated results. Validity of calculated results may be compromised if an associated analysis on your C of A has been analysed outside of its recommended stability time.

LABORATORY SERVICES

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Any queries please contact the Customer Support section on 01392 205700



Certificate of Analysis

ANALYSED BY



Report Number: **COV/1915870/2020**
Laboratory Number: **19623610**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010138**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020 09:45**
Sample Received: **26 August 2020**
Analysis Complete: **11 September 2020**

Issue **1**
Sample **1** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Silver , Total as Ag	<0.0007	mg/l	10/09/2020	N Cov	WAS049
Ammoniacal Nitrogen as N	20.8	mg/l	30/08/2020	N Cov	WAS036
Nitrate as N	<0.7	mg/l	30/08/2020	N Cov	WAS036
Fluoride as F	0.6	mg/l	01/09/2020	Y Cov	WAS029
Beryllium, total as Be (mg/l)	<0.0006	mg/l	09/09/2020	Y Cov	WAS076
Boron, total as B (mg/l)	0.58	mg/l	09/09/2020	Y Cov	WAS076
Phosphorus, total as P (mg/l)	1.3	mg/l	09/09/2020	Y Cov	WAS076
Titanium, total as Ti (mg/l)	0.0059	mg/l	09/09/2020	Y Cov	WAS076
Vanadium, total as V (mg/l)	0.0065	mg/l	09/09/2020	Y Cov	WAS076
Chromium, total as Cr (mg/l)	0.0019	mg/l	09/09/2020	Y Cov	WAS076
Cobalt, total as Co (mg/l)	0.0057	mg/l	09/09/2020	Y Cov	WAS076
Nickel, total as Ni (mg/l)	0.013	mg/l	09/09/2020	Y Cov	WAS076
Copper, total as Cu (mg/l)	0.010	mg/l	09/09/2020	Y Cov	WAS076
Zinc, total as Zn (mg/l)	0.045	mg/l	09/09/2020	Y Cov	WAS076
Arsenic, total as As (mg/l)	0.72	mg/l	10/09/2020	Y Cov	WAS076
Selenium, total as Se (mg/l)	<0.00060	mg/l	09/09/2020	Y Cov	WAS076
Molybdenum, total as Mo (mg/l)	0.0060	mg/l	09/09/2020	Y Cov	WAS076
Tin, total as Sn (mg/l)	<0.0015	mg/l	09/09/2020	Y Cov	WAS076
Antimony, total as Sb (mg/l)	0.0019	mg/l	09/09/2020	Y Cov	WAS076
Tellurium, total as Te (mg/l)	<0.00035	mg/l	09/09/2020	Y Cov	WAS076
Barium, total as Ba (mg/l)	0.28	mg/l	09/09/2020	Y Cov	WAS076
Thallium, total as Tl (mg/l)	<0.00075	mg/l	09/09/2020	Y Cov	WAS076
Lead, total as Pb (mg/l)	0.044	mg/l	09/09/2020	Y Cov	WAS076

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Certificate of Analysis

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Report Number: **COV/1915870/2020**
Laboratory Number: **19623610**
Sample Source: **South West Water**
Sample Point Description: **South West Water**
Sample Description: **E20/010138**
Sample Matrix: **Ground Water**
Sample Date/Time: **25 August 2020** **09:45**
Sample Received: **26 August 2020**
Analysis Complete: **11 September 2020**

Issue **1**
Sample **1** of **4**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Uranium, total as U(mg/l)	0.0013	mg/l	09/09/2020	Y Cov	WAS076

Analyst Comments for 19623610:

This sample has been analysed for Nitrate as N, Boron, total as B(mg/l), Tin, total as Sn(mg/l) outside recommended stability times. It is therefore possible that the results provided may be compromised.

This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG), F = Data supplied by customer.

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:

Name: **A. Zunzunegui**

Date: **11 September 2020**

Title: **Dept Organic Technical Manager**

ALS Environmental Ltd

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