

**Gareth Vernau**

Quantum Laboratories  
Quantum Geotechnical  
Ty Berwig  
Bynea  
Llanelli  
Carmarthenshire  
SA14 9ST

**t:** 01554 744880

**e:** GarethVernau@quantum-geotech.co.uk

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

**t:** 01923 225404

**f:** 01923 237404

**e:** reception@i2analytical.com

## **Analytical Report Number : 17-56404**

<b>Project / Site name:</b>	Torfaen 6th Form, Cwmbran	<b>Samples received on:</b>	02/08/2017
<b>Your job number:</b>	G40063	<b>Samples instructed on:</b>	04/08/2017
<b>Your order number:</b>		<b>Analysis completed by:</b>	14/08/2017
<b>Report Issue Number:</b>	1	<b>Report issued on:</b>	14/08/2017
<b>Samples Analysed:</b>	17 water samples		

**Signed:** 

Dr Claire Stone  
Quality Manager  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794014	794015	794016	794017	794018
Sample Reference				DBH3	DBH3	DBH2	BH129	BH202
Sample Number				1	1	1	1	1
Depth (m)				14.70	2.70	6.50	3.65	13.70
Date Sampled				28/07/2017	28/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### General Inorganics

pH	pH Units	N/A	ISO 17025	7.7	8.5	-	-	7.6
Electrical Conductivity at 20 °C	µS/cm	10	NONE	560	380	-	-	630
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1	< 1	-	-	< 1
Sulphate as SO <sub>4</sub>	µg/l	45	ISO 17025	67400	51300	-	-	25800
Sulphate as SO <sub>4</sub>	mg/l	0.045	ISO 17025	67	51	-	-	26
Chloride	mg/l	0.15	ISO 17025	32	31	-	-	65
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	32	-	-	< 15
Total Nitrogen (Kjeldahl)	mg/l	0.1	NONE	1.7	4.4	-	-	4.4
Nitrate as N	mg/l	0.01	ISO 17025	0.55	0.11	-	-	1.36
Nitrite as N	µg/l	1	ISO 17025	23	41	-	-	85
Alkalinity	mgCaCO <sub>3</sub> /l	3	ISO 17025	220	100	-	-	240
Total Oxidised Nitrogen (TON)	mg/l	0.3	NONE	0.6	< 0.3	-	-	1.4
Ionic Balance	+/-	-100	NONE	-9.9	-24	-	-	-21

#### Phenols by GC-MS

Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	< 0.05

#### Total Phenols

Total Phenols (GC-MS)	µg/l	1	NONE	< 1.0	< 1.0	-	-	< 1.0
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#### Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01

#### Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	< 0.16	-	-	< 0.16
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Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794014	794015	794016	794017	794018
Sample Reference				DBH3	DBH3	DBH2	BH129	BH202
Sample Number				1	1	1	1	1
Depth (m)				14.70	2.70	6.50	3.65	13.70
Date Sampled				28/07/2017	28/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### Heavy Metals / Metalloids

Phosphorus (total)	µg/l	20	ISO 17025	570	790	-	-	50
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.34	0.77	-	-	0.66
Boron (dissolved)	µg/l	10	ISO 17025	< 10	< 10	-	-	95
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	-	-	< 0.02
Calcium (dissolved)	mg/l	0.012	ISO 17025	86	35	-	-	63
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.4	< 0.2	-	-	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	0.8	1.2	-	-	1.1
Lead (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	-	-	0.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025	14	6.8	-	-	16
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	0.28	-	-	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.2	1.1	-	-	0.9
Potassium (dissolved)	mg/l	0.025	ISO 17025	3.4	3.9	-	-	7.4
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	1.1	-	-	< 0.6
Sodium (dissolved)	mg/l	0.01	ISO 17025	18	22	-	-	35
Zinc (dissolved)	µg/l	0.5	ISO 17025	4.8	2.4	-	-	4.7

#### Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	-	-	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	260	< 10	-	-	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	2200	< 10	-	-	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	1800	410	-	-	< 10
<b>TPH-CWG - Aliphatic (C5 - C35)</b>	µg/l	10	NONE	4200	410	-	-	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	-	-	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	-	-	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	-	-	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	-	-	< 10
<b>TPH-CWG - Aromatic (C5 - C35)</b>	µg/l	10	NONE	< 10	< 10	-	-	< 10



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794014	794015	794016	794017	794018
Sample Reference				DBH3	DBH3	DBH2	BH129	BH202
Sample Number				1	1	1	1	1
Depth (m)				14.70	2.70	6.50	3.65	13.70
Date Sampled				28/07/2017	28/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	3.5	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	5.7	18.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	4.7	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	4.2	13.7	4.0	6.2	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

U/S = Unsuitable Sample I/S = Insufficient Sample

Iss No 17-56404-1 Torfaen 6th Form, Cwmbran G40063

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The results included within the report are representative of the samples submitted for analysis.

Page 4 of 17



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794019	794020	794021	794022	794023
Sample Reference				BH202	DBH9	DBH9	DBH8	DBH8
Sample Number				1	1	1	1	1
Depth (m)				2.80	4.00	10.00	4.80	15.00
Date Sampled				31/07/2017	31/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### General Inorganics

pH	pH Units	N/A	ISO 17025	7.2	7.0	-	-	-
Electrical Conductivity at 20 °C	µS/cm	10	NONE	660	860	-	-	-
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1	< 1	-	-	-
Sulphate as SO <sub>4</sub>	µg/l	45	ISO 17025	43000	194000	-	-	-
Sulphate as SO <sub>4</sub>	mg/l	0.045	ISO 17025	43	190	-	-	-
Chloride	mg/l	0.15	ISO 17025	79	36	-	-	-
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	38	54	-	-	-
Total Nitrogen (Kjeldahl)	mg/l	0.1	NONE	2.1	4.7	-	-	-
Nitrate as N	mg/l	0.01	ISO 17025	1.34	0.18	-	-	-
Nitrite as N	µg/l	1	ISO 17025	15	35	-	-	-
Alkalinity	mgCaCO <sub>3</sub> /l	3	ISO 17025	220	360	-	-	-
Total Oxidised Nitrogen (TON)	mg/l	0.3	NONE	1.4	< 0.3	-	-	-
Ionic Balance	+/-	-100	NONE	-21	-22	-	-	-

#### Phenols by GC-MS

Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-

#### Total Phenols

Total Phenols (GC-MS)	µg/l	1	NONE	< 1.0	< 1.0	-	-	-
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#### Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	-
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-	-

#### Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	< 0.16	-	-	-
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Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794019	794020	794021	794022	794023
Sample Reference				BH202	DBH9	DBH9	DBH8	DBH8
Sample Number				1	1	1	1	1
Depth (m)				2.80	4.00	10.00	4.80	15.00
Date Sampled				31/07/2017	31/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### Heavy Metals / Metalloids

Phosphorus (total)	µg/l	20	ISO 17025	31	51	-	-	-
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.15	0.33	-	-	-
Boron (dissolved)	µg/l	10	ISO 17025	42	260	-	-	-
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	0.28	-	-	-
Calcium (dissolved)	mg/l	0.012	ISO 17025	75	110	-	-	-
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.2	-	-	-
Copper (dissolved)	µg/l	0.5	ISO 17025	1.6	2.8	-	-	-
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	1.0	-	-	-
Magnesium (dissolved)	mg/l	0.005	ISO 17025	13	24	-	-	-
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.33	0.16	-	-	-
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.5	7.6	-	-	-
Potassium (dissolved)	mg/l	0.025	ISO 17025	7.5	9.1	-	-	-
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	-	-	-
Sodium (dissolved)	mg/l	0.01	ISO 17025	36	41	-	-	-
Zinc (dissolved)	µg/l	0.5	ISO 17025	6.7	6.1	-	-	-

#### Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	-	-	-
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	-	-	-
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	91	-	-	-
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	140	-	-	-
<b>TPH-CWG - Aliphatic (C5 - C35)</b>	µg/l	10	NONE	< 10	230	-	-	-

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-	-
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	-	-	-
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	-	-	-
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	-	-	-
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	-	-	-
<b>TPH-CWG - Aromatic (C5 - C35)</b>	µg/l	10	NONE	< 10	< 10	-	-	-



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794019	794020	794021	794022	794023
Sample Reference				BH202	DBH9	DBH9	DBH8	DBH8
Sample Number				1	1	1	1	1
Depth (m)				2.80	4.00	10.00	4.80	15.00
Date Sampled				31/07/2017	31/07/2017	31/07/2017	31/07/2017	31/07/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	1.6	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	76.8	9.3	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	3.1	1.9	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

U/S = Unsuitable Sample I/S = Insufficient Sample

Iss No 17-56404-1 Torfaen 6th Form, Cwmbran G40063

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The results included within the report are representative of the samples submitted for analysis.

Page 7 of 17



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794024	794025	794026	794027	794028
Sample Reference				DBH10	BH1005	DBH11	BH121	DBH7
Sample Number				1	1	1	1	1
Depth (m)				4.00	3.60	15.00	3.60	15.00
Date Sampled				01/08/2017	01/08/2017	01/08/2017	01/08/2017	01/08/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### General Inorganics

pH	pH Units	N/A	ISO 17025	7.7	-	7.6	-	-
Electrical Conductivity at 20 °C	µS/cm	10	NONE	520	-	410	-	-
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1	-	< 1	-	-
Sulphate as SO <sub>4</sub>	µg/l	45	ISO 17025	92900	-	12200	-	-
Sulphate as SO <sub>4</sub>	mg/l	0.045	ISO 17025	93	-	12	-	-
Chloride	mg/l	0.15	ISO 17025	42	-	35	-	-
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	100	-	24	-	-
Total Nitrogen (Kjeldahl)	mg/l	0.1	NONE	5.6	-	4.8	-	-
Nitrate as N	mg/l	0.01	ISO 17025	0.48	-	0.08	-	-
Nitrite as N	µg/l	1	ISO 17025	100	-	30	-	-
Alkalinity	mgCaCO <sub>3</sub> /l	3	ISO 17025	150	-	190	-	-
Total Oxidised Nitrogen (TON)	mg/l	0.3	NONE	0.6	-	< 0.3	-	-
Ionic Balance	+/-	-100	NONE	-26	-	-17	-	-

#### Phenols by GC-MS

Phenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2-Methylphenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-
4-Methylphenol	µg/l	0.05	NONE	< 0.05	-	< 0.05	-	-

#### Total Phenols

Total Phenols (GC-MS)	µg/l	1	NONE	< 1.0	-	< 1.0	-	-
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#### Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Fluorene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Anthracene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Pyrene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Chrysene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	-	< 0.01	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	-	< 0.01	-	-
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	-	< 0.01	-	-
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	-	< 0.01	-	-

#### Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	-	< 0.16	-	-
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Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794024	794025	794026	794027	794028
Sample Reference				DBH10	BH1005	DBH11	BH121	DBH7
Sample Number				1	1	1	1	1
Depth (m)				4.00	3.60	15.00	3.60	15.00
Date Sampled				01/08/2017	01/08/2017	01/08/2017	01/08/2017	01/08/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### Heavy Metals / Metalloids

Phosphorus (total)	µg/l	20	ISO 17025	53	-	150	-	-
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.78	-	< 0.15	-	-
Boron (dissolved)	µg/l	10	ISO 17025	48	-	< 10	-	-
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	-	0.16	-	-
Calcium (dissolved)	mg/l	0.012	ISO 17025	53	-	58	-	-
Chromium (dissolved)	µg/l	0.2	ISO 17025	1.9	-	0.3	-	-
Copper (dissolved)	µg/l	0.5	ISO 17025	2.3	-	3.9	-	-
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	-	2.3	-	-
Magnesium (dissolved)	mg/l	0.005	ISO 17025	8.6	-	6.7	-	-
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.24	-	0.12	-	-
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.6	-	2.9	-	-
Potassium (dissolved)	mg/l	0.025	ISO 17025	12	-	1.9	-	-
Selenium (dissolved)	µg/l	0.6	ISO 17025	3.4	-	< 0.6	-	-
Sodium (dissolved)	mg/l	0.01	ISO 17025	42	-	19	-	-
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.4	-	3.2	-	-

#### Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
Toluene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
p & m-xylene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
o-xylene	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	-	60	-	-
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	-	57	-	-
<b>TPH-CWG - Aliphatic (C5 - C35)</b>	µg/l	10	NONE	< 10	-	120	-	-

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	-	< 1.0	-	-
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	-	< 10	-	-
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	-	< 10	-	-
<b>TPH-CWG - Aromatic (C5 - C35)</b>	µg/l	10	NONE	< 10	-	< 10	-	-



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794024	794025	794026	794027	794028
Sample Reference				DBH10	BH1005	DBH11	BH121	DBH7
Sample Number				1	1	1	1	1
Depth (m)				4.00	3.60	15.00	3.60	15.00
Date Sampled				01/08/2017	01/08/2017	01/08/2017	01/08/2017	01/08/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

#### VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	29.6	30.8	4.7	7.4
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	1.9	7.2	68.8	3.3	12.9
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	2.5
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

U/S = Unsuitable Sample I/S = Insufficient Sample

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The results included within the report are representative of the samples submitted for analysis.

Page 10 of 17



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794029	794030			
Sample Reference				DBH7	BH1008			
Sample Number				1	1			
Depth (m)				3.60	3.50			
Date Sampled				01/08/2017	01/08/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

#### General Inorganics

pH	pH Units	N/A	ISO 17025	7.6	-			
Electrical Conductivity at 20 °C	µS/cm	10	NONE	530	-			
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1	-			
Sulphate as SO <sub>4</sub>	µg/l	45	ISO 17025	59400	-			
Sulphate as SO <sub>4</sub>	mg/l	0.045	ISO 17025	59	-			
Chloride	mg/l	0.15	ISO 17025	33	-			
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	< 15	-			
Total Nitrogen (Kjeldahl)	mg/l	0.1	NONE	4.5	-			
Nitrate as N	mg/l	0.01	ISO 17025	0.11	-			
Nitrite as N	µg/l	1	ISO 17025	34	-			
Alkalinity	mgCaCO <sub>3</sub> /l	3	ISO 17025	200	-			
Total Oxidised Nitrogen (TON)	mg/l	0.3	NONE	< 0.3	-			
Ionic Balance	+/-	-100	NONE	-14	-			

#### Phenols by GC-MS

Phenol	µg/l	0.05	NONE	< 0.05	-			
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-			
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	-			
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	-			
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	-			
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	-			
2-Methylphenol	µg/l	0.05	NONE	< 0.05	-			
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	-			
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	-			
4-Methylphenol	µg/l	0.05	NONE	< 0.05	-			

#### Total Phenols

Total Phenols (GC-MS)	µg/l	1	NONE	< 1.0	-			
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#### Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	-			
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	-			
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	-			
Fluorene	µg/l	0.01	ISO 17025	< 0.01	-			
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	-			
Anthracene	µg/l	0.01	ISO 17025	< 0.01	-			
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-			
Pyrene	µg/l	0.01	ISO 17025	< 0.01	-			
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	-			
Chrysene	µg/l	0.01	ISO 17025	< 0.01	-			
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-			
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	-			
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	-			
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	-			
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	-			
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	-			

#### Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	-			
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Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794029	794030			
Sample Reference				DBH7	BH1008			
Sample Number				1	1			
Depth (m)				3.60	3.50			
Date Sampled				01/08/2017	01/08/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

#### Heavy Metals / Metalloids

Phosphorus (total)	µg/l	20	ISO 17025	100	-			
Arsenic (dissolved)	µg/l	0.15	ISO 17025	< 0.15	-			
Boron (dissolved)	µg/l	10	ISO 17025	93	-			
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	-			
Calcium (dissolved)	mg/l	0.012	ISO 17025	68	-			
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.2	-			
Copper (dissolved)	µg/l	0.5	ISO 17025	2.7	-			
Lead (dissolved)	µg/l	0.2	ISO 17025	0.5	-			
Magnesium (dissolved)	mg/l	0.005	ISO 17025	13	-			
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.11	-			
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.8	-			
Potassium (dissolved)	mg/l	0.025	ISO 17025	5.9	-			
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	-			
Sodium (dissolved)	mg/l	0.01	ISO 17025	19	-			
Zinc (dissolved)	µg/l	0.5	ISO 17025	10	-			

#### Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	-			
Toluene	µg/l	1	ISO 17025	< 1.0	-			
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	-			
p & m-xylene	µg/l	1	ISO 17025	< 1.0	-			
o-xylene	µg/l	1	ISO 17025	< 1.0	-			
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	-			

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	-			
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	-			
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	-			
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	-			
<b>TPH-CWG - Aliphatic (C5 - C35)</b>	µg/l	10	NONE	< 10	-			

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	-			
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	-			
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	-			
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	-			
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	-			
<b>TPH-CWG - Aromatic (C5 - C35)</b>	µg/l	10	NONE	< 10	-			



Analytical Report Number: 17-56404

Project / Site name: Torfaen 6th Form, Cwmbran

Lab Sample Number				794029	794030			
Sample Reference				DBH7	BH1008			
Sample Number				1	1			
Depth (m)				3.60	3.50			
Date Sampled				01/08/2017	01/08/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

#### VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0			
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0			
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	7.6	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trichloroethene	µg/l	1	ISO 17025	33.0	< 1.0			
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tetrachloroethene	µg/l	1	ISO 17025	7.1	< 1.0			
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			

U/S = Unsuitable Sample I/S = Insufficient Sample

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The results included within the report are representative of the samples submitted for analysis.

Page 13 of 17



**Analytical Report Number : 17-56404**

**Project / Site name: Torfaen 6th Form, Cwmbran**

**Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Alkalinity in Water	Determination of Alkalinity by discrete analyser (colorimetry). Accredited matrices: SW, PW, GW.	In house method based on MEWAM & USEPA Method 310.2.	L082-PL	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Chloride in water	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260. Accredited matrices: SW, PW, GW.	L082-PL	W	ISO 17025
Electrical conductivity at 20oC of water	Determination of electrical conductivity in water by electrometric measurement.	In-house method	L031-PL	W	NONE
Free cyanide (low level) in water	Determination of free cyanide by distillation followed by colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Ionic Balance in water	Calculated as the difference between the sums of the equivalent masses of the major individual anions and cations.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L032	W	NONE
Kjeldahl nitrogen in water	Determination of total nitrogen using the Kjeldahl-digestion method and colorimetric determination.	In house method based on BS 7755-3.7:1995 & ISO 11261:1995.	L087-PL	W	NONE
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Metals in water by ICP-OES (total)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate and colorimetry. Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08,	L078-PL	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by discrete analyser (colorimetry). Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water followed by electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	W	ISO 17025
Phenols, speciated, in water, by GCMS	Determination of speciated phenols in water by extraction in hexane followed by GC-MS.	In-house method based on USEPA 8270	L070-PL	W	NONE
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L0102B-PL	W	NONE

Iss No 17-56404-1 Torfaen 6th Form, Cwmbran G40063

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The results included within the report are representative of the samples submitted for analysis.

Page 14 of 17



**Analytical Report Number : 17-56404**

**Project / Site name: Torfaen 6th Form, Cwmbran**

**Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW, PrW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total oxidised nitrogen in water	Calculation from nitrate and nitrite.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton & Polish Standard Method PN-82/C-04579.08	L078-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

**For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.**

**For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.**

**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**