

Sample	Category	Analyte_Name	Result	Units
DS01	VOCs	Trichloroethene	1.6	µg/l
DS01	VOCs	Benzene	3.2	µg/l
DS01	VOCs	Toluene	16.6	µg/l
DS01	VOCs	sec-Butylbenzene	74.9	µg/l
DS01	VOCs	Ethylbenzene	113.0	µg/l
DS01	VOCs	Isopropylbenzene	373.0	µg/l
DS01	VOCs	o-Xylene	381.0	µg/l
DS01	VOCs	p & m-Xylene	656.0	µg/l
DS01	VOCs	n-Propylbenzene	692.0	µg/l
DS01	VOCs	p-Isopropyltoluene	1,210.0	µg/l
DS01	VOCs	1,3,5-Trimethylbenzene	2,000.0	µg/l
DS01	VOCs	1,2,4-Trimethylbenzene	6,650.0	µg/l
DS01	VOCs	Dichloromethane	10,000.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW8	VOCs	Ethylbenzene	14.1	µg/l
RW8	VOCs	o-Xylene	70.6	µg/l
RW8	VOCs	sec-Butylbenzene	76.1	µg/l
RW8	VOCs	Isopropylbenzene	173.0	µg/l
RW8	VOCs	p & m-Xylene	346.0	µg/l
RW8	VOCs	p-Isopropyltoluene	1,230.0	µg/l
RW8	VOCs	1,3,5-Trimethylbenzene	2,490.0	µg/l
RW8	VOCs	1,2,4-Trimethylbenzene	5,310.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH208	VOCs	Trichloromethane	10.3	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH303s	VOCs	o-Xylene	18.0	µg/l
BH303s	VOCs	1,2,4-Trimethylbenzene	68.9	µg/l
BH303s	VOCs	p-Isopropyltoluene	98.3	µg/l
BH303s	VOCs	1,3,5-Trimethylbenzene	584.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
DS04	VOCs	Trichloroethene	2.4	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH202	VOCs	Trichloroethene	2.0	µg/l
BH202	VOCs	o-Xylene	7.5	µg/l
BH202	VOCs	sec-Butylbenzene	12.4	µg/l
BH202	VOCs	cis-1,2-Dichloroethene	13.8	µg/l
BH202	VOCs	Ethylbenzene	15.4	µg/l
BH202	VOCs	Isopropylbenzene	33.7	µg/l
BH202	VOCs	p-Isopropyltoluene	56.8	µg/l
BH202	VOCs	1,3,5-Trimethylbenzene	114.0	µg/l
BH202	VOCs	n-Propylbenzene	126.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH302s	VOCs	p & m-Xylene	5.7	µg/l
BH302s	VOCs	1,2,4-Trimethylbenzene	93.7	µg/l
BH302s	VOCs	1,3,5-Trimethylbenzene	269.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
DS02	VOCs	o-Xylene	1.8	µg/l
DS02	VOCs	cis-1,2-Dichloroethene	5.6	µg/l
DS02	VOCs	Trichloroethene	6.7	µg/l
DS02	VOCs	1,3,5-Trimethylbenzene	139.0	µg/l

Sample	Category	Analyte_Name	Result	Units
RW37	VOCs	Trichloroethene	1.5	µg/l
RW37	VOCs	Toluene	16.5	µg/l
RW37	VOCs	Ethylbenzene	190.0	µg/l
RW37	VOCs	Butylbenzene	343.0	µg/l
RW37	VOCs	sec-Butylbenzene	353.0	µg/l
RW37	VOCs	Dichloromethane	1,800.0	µg/l
RW37	VOCs	Isopropylbenzene	3,280.0	µg/l
RW37	VOCs	o-Xylene	5,420.0	µg/l
RW37	VOCs	p & m-Xylene	7,060.0	µg/l
RW37	VOCs	p-Isopropyltoluene	9,660.0	µg/l
RW37	VOCs	n-Propylbenzene	14,300.0	µg/l
RW37	VOCs	1,3,5-Trimethylbenzene	79,600.0	µg/l
RW37	VOCs	1,2,4-Trimethylbenzene	151,000.0	µg/l

Sample	Category	Analyte_Name	Result	Units
RW31	VOCs	Dichloromethane	310.0	µg/l

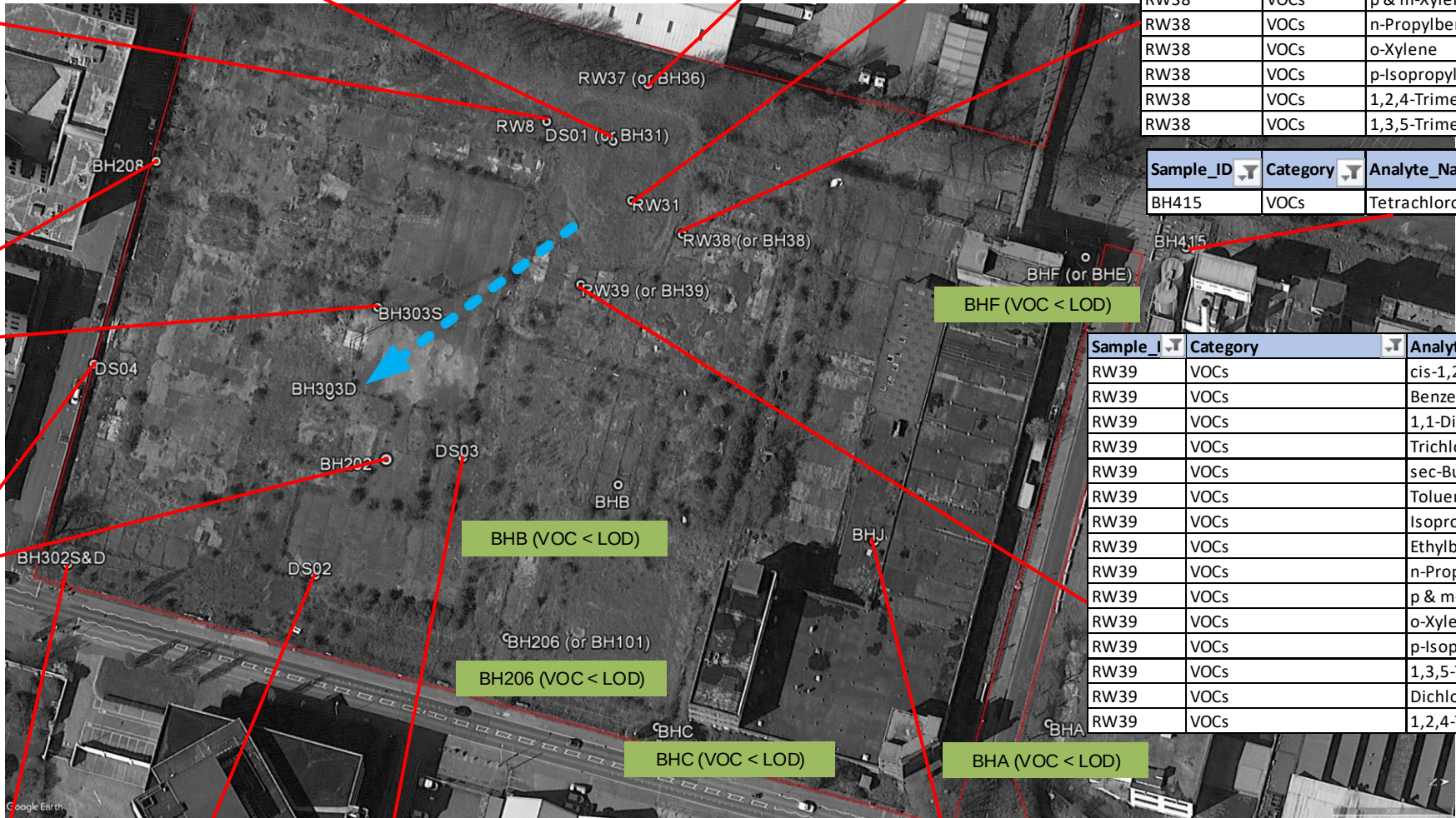
Sample_ID	Category	Analyte_Name	Result	Units
RW38	VOCs	Ethylbenzene	2.3	µg/l
RW38	VOCs	Trichloroethene	3.2	µg/l
RW38	VOCs	sec-Butylbenzene	4.0	µg/l
RW38	VOCs	Isopropylbenzene	8.3	µg/l
RW38	VOCs	p & m-Xylene	11.9	µg/l
RW38	VOCs	n-Propylbenzene	16.1	µg/l
RW38	VOCs	o-Xylene	18.4	µg/l
RW38	VOCs	p-Isopropyltoluene	22.9	µg/l
RW38	VOCs	1,2,4-Trimethylbenzene	134.0	µg/l
RW38	VOCs	1,3,5-Trimethylbenzene	468.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH415	VOCs	Tetrachloroethene	7.4	µg/l

Sample	Category	Analyte_Name	Result	Units
RW39	VOCs	cis-1,2-Dichloroethene	2.9	µg/l
RW39	VOCs	Benzene	3.1	µg/l
RW39	VOCs	1,1-Dichloroethene	4.6	µg/l
RW39	VOCs	Trichloroethene	13.4	µg/l
RW39	VOCs	sec-Butylbenzene	55.3	µg/l
RW39	VOCs	Toluene	88.9	µg/l
RW39	VOCs	Isopropylbenzene	285.0	µg/l
RW39	VOCs	Ethylbenzene	370.0	µg/l
RW39	VOCs	n-Propylbenzene	2,170.0	µg/l
RW39	VOCs	p & m-Xylene	2,240.0	µg/l
RW39	VOCs	o-Xylene	2,400.0	µg/l
RW39	VOCs	p-Isopropyltoluene	2,520.0	µg/l
RW39	VOCs	1,3,5-Trimethylbenzene	6,180.0	µg/l
RW39	VOCs	Dichloromethane	15,000.0	µg/l
RW39	VOCs	1,2,4-Trimethylbenzene	18,600.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BHJ	VOCs	o-Xylene	9.7	µg/l
BHJ	VOCs	cis-1,2-Dichloroethene	10.4	µg/l
BHJ	VOCs	1,3,5-Trimethylbenzene	508.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
DS03	VOCs	1,1-Dichloroethene	1.7	µg/l
DS03	VOCs	Trichloroethene	2.1	µg/l
DS03	VOCs	Isopropylbenzene	38.8	µg/l
DS03	VOCs	cis-1,2-Dichloroethene	51.3	µg/l
DS03	VOCs	sec-Butylbenzene	55.2	µg/l
DS03	VOCs	o-Xylene	66.4	µg/l
DS03	VOCs	p & m-Xylene	158.0	µg/l
DS03	VOCs	1,3,5-Trimethylbenzene	903.0	µg/l
DS03	VOCs	p-Isopropyltoluene	1,040.0	µg/l
DS03	VOCs	1,2,4-Trimethylbenzene	2,130.0	µg/l



Anticipated groundwater flow (based on previous Delta-Simons work).

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TITLE
Annex B - Figure B1.
Volatile Organic Compounds (VOCs) Above Limit of Detection (LOD) Within Shallow Groundwater (22 m bgl) (September 2017)

CLIENT:
Wheat Quarter Limited

JOB REFERENCE:
016-1512

DATE:
October 17, 2017

SCALE:
Not to Scale

REVISIONS:
No. Date Description
00 17/10/17 DRAFT
- -/-/-/-
- -/-/-/-
- -/-/-/-

DRAWN BY:
MJS
CHECKED BY:
SPR



Sample_ID	Category	Analyte_Name	Result	Units
BH303d	VOCs	cis-1,2-Dichloroethene	12.1	µg/l
BH303d	VOCs	o-Xylene	26.1	µg/l
BH303d	VOCs	p & m-Xylene	49.2	µg/l
BH303d	VOCs	p-Isopropyltoluene	91.3	µg/l
BH303d	VOCs	1,2,4-Trimethylbenzene	479.0	µg/l
BH303d	VOCs	1,3,5-Trimethylbenzene	487.0	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH303d	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	31	µg/l
BH303d	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	2,000	µg/l
BH303d	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	2,600	µg/l
BH303d	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	4,600	µg/l



 Anticipated groundwater flow (based on previous Delta-Simons work).

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TITLE Annex B - Figure B2. Volatile Organic Compounds (VOCs) and Total Petroleum Hydrocarbons (TPH) Above Limit of Detection (LOD) Within Deep Groundwater (50 m bgl) (September 2017)	JOB REFERENCE: 016-1512	REVISIONS:			
	DATE: October 17, 2017	No.	Date	Description	
		00	17/10/17	DRAFT	
		-	-/-/-	-	
CLIENT: Wheat Quarter Limited	SCALE: Not to Scale	DRAWN BY: MJS	CHECKED BY: SPR		

Sample_I	Category	Analyte_Name	Result	Unit
DS01	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C5 - C7	3	µg/l
DS01	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C7 - C8	17	µg/l
DS01	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	6,400	µg/l
DS01	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	20,000	µg/l
DS01	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	27,000	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
RW37	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C7 - C8	17	µg/l
RW37	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	8,800	µg/l
RW37	Petroleum Hydrocarbons	TPH-CWG - Aliphatic >C8 - C10	11,000	µg/l
RW37	Petroleum Hydrocarbons	TPH-CWG - Aliphatic (C5 - C35)	11,000	µg/l
RW37	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	610,000	µg/l
RW37	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	620,000	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
RW8	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	90	µg/l
RW8	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	8,600	µg/l
RW8	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	19,000	µg/l
RW8	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	28,000	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
RW31	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	180.00	µg/l
RW31	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	880.00	µg/l
RW31	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	1,100.00	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BH208	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	40	µg/l
BH208	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	40	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
RW38	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	1,700.00	µg/l
RW38	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	2,300.00	µg/l
RW38	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	4,000.00	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BH303s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	93	µg/l
BH303s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	1,800	µg/l
BH303s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	6,300	µg/l
BH303s	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	8,200	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
DS04	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	37	µg/l
DS04	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	37	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C5 - C7	3	µg/l
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C7 - C8	89	µg/l
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	330	µg/l
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	12,000	µg/l
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	42,000	µg/l
RW39	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	55,000	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BH202	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	300	µg/l
BH202	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	970	µg/l
BH202	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	1,300	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BHB	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	190	µg/l
BHB	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	190	µg/l

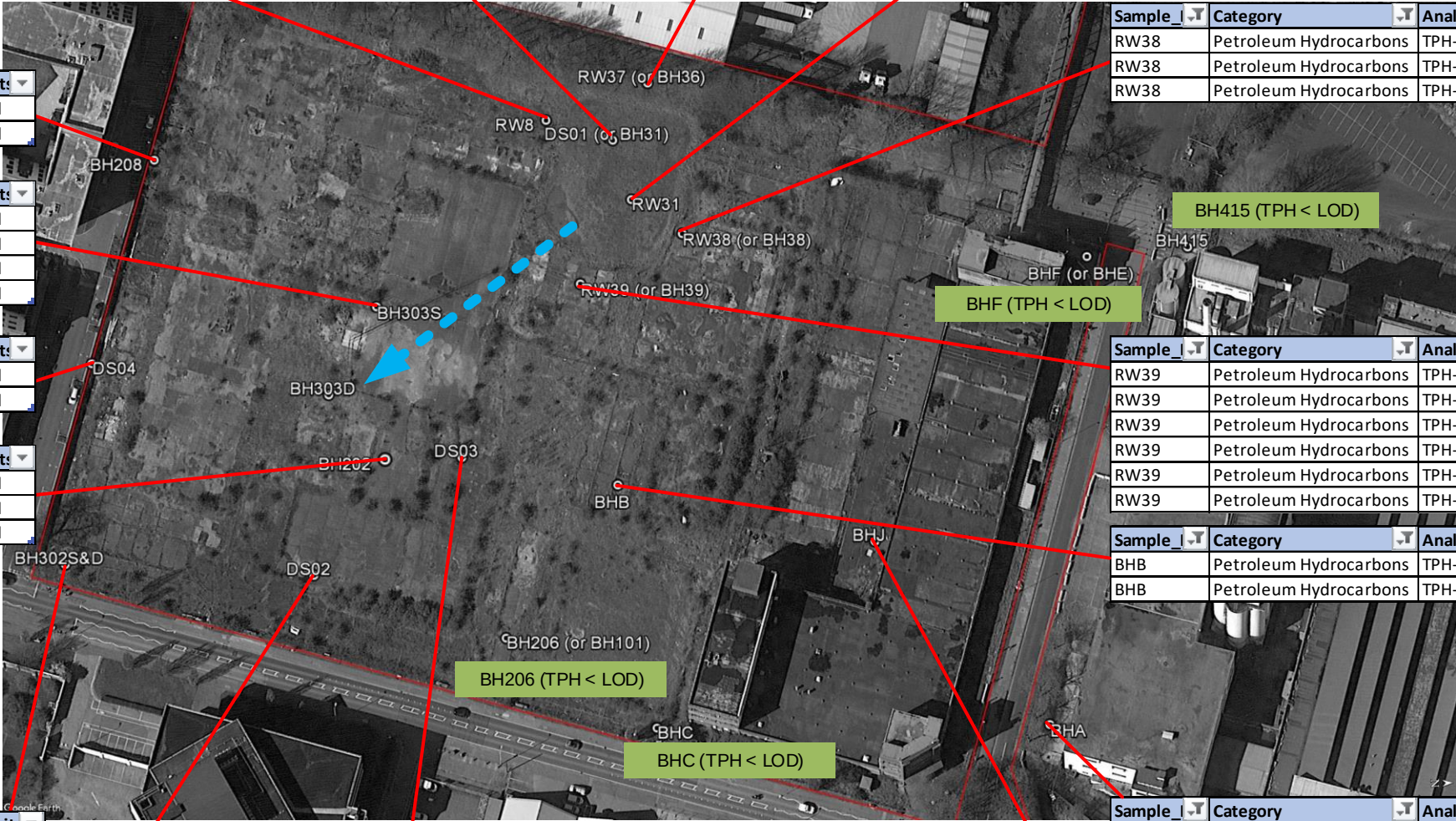
Sample_I	Category	Analyte_Name	Result	Unit
BH302s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	140	µg/l
BH302s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	930	µg/l
BH302s	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	4,600	µg/l
BH302s	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	5,700	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BHA	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	1,400	µg/l
BHA	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	1,400	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
DS02	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	140	µg/l
DS02	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	370	µg/l
DS02	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	3,000	µg/l
DS02	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	3,600	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
DS03	Petroleum Hydrocarbons	TPH-CWG - Aliphatic >C6 - C8	10	µg/l
DS03	Petroleum Hydrocarbons	TPH-CWG - Aliphatic (C5 - C35)	10	µg/l
DS03	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C12 - C16	170	µg/l
DS03	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	7,500	µg/l
DS03	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	8,400	µg/l
DS03	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	16,000	µg/l

Sample_I	Category	Analyte_Name	Result	Unit
BHJ	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C8 - C10	520	µg/l
BHJ	Petroleum Hydrocarbons	TPH-CWG - Aromatic >C10 - C12	4,300	µg/l
BHJ	Petroleum Hydrocarbons	TPH-CWG - Aromatic (C5 - C35)	4,800	µg/l



Anticipated groundwater flow (based on previous Delta-Simons work).

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TITLE: Annex B - Figure B3. Total Petroleum Hydrocarbons (TPH) Above Limit of Detection (LOD) Within Shallow Groundwater (22 m bgl) (September 2017)	JOB REFERENCE: 016-1512	REVISIONS:			
	DATE: October 17, 2017	No.	Date.	Description.	
	SCALE: Not to Scale	00	17/10/17	DRAFT	
	CLIENT: Wheat Quarter limited	-	-/-/-	-	
		DRAWN BY: MJS	CHECKED BY: SPR		

Sample_ID	Category	Analyte_Name	Result	Units
DS01	SVOC	2-Methylnaphthalene	1.60	µg/l
DS01	SVOC	Naphthalene	27.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW31	SVOC	Naphthalene	2.90	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW37	SVOC	2-Methylnaphthalene	4.00	µg/l
RW37	SVOC	Naphthalene	130.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW8	SVOC	2-Methylnaphthalene	1.30	µg/l
RW8	SVOC	Naphthalene	51.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW38	SVOC	2-Methylnaphthalene	1.80	µg/l
RW38	SVOC	Naphthalene	19.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH303s	SVOC	2-Methylnaphthalene	0.73	µg/l
BH303s	SVOC	Naphthalene	24.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH303d	SVOC	2-Methylnaphthalene	1.10	µg/l
BH303d	SVOC	Naphthalene	14.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BH202	SVOC	Naphthalene	4.60	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
RW39	SVOC	2-Methylnaphthalene	3.00	µg/l
RW39	SVOC	Naphthalene	61.00	µg/l

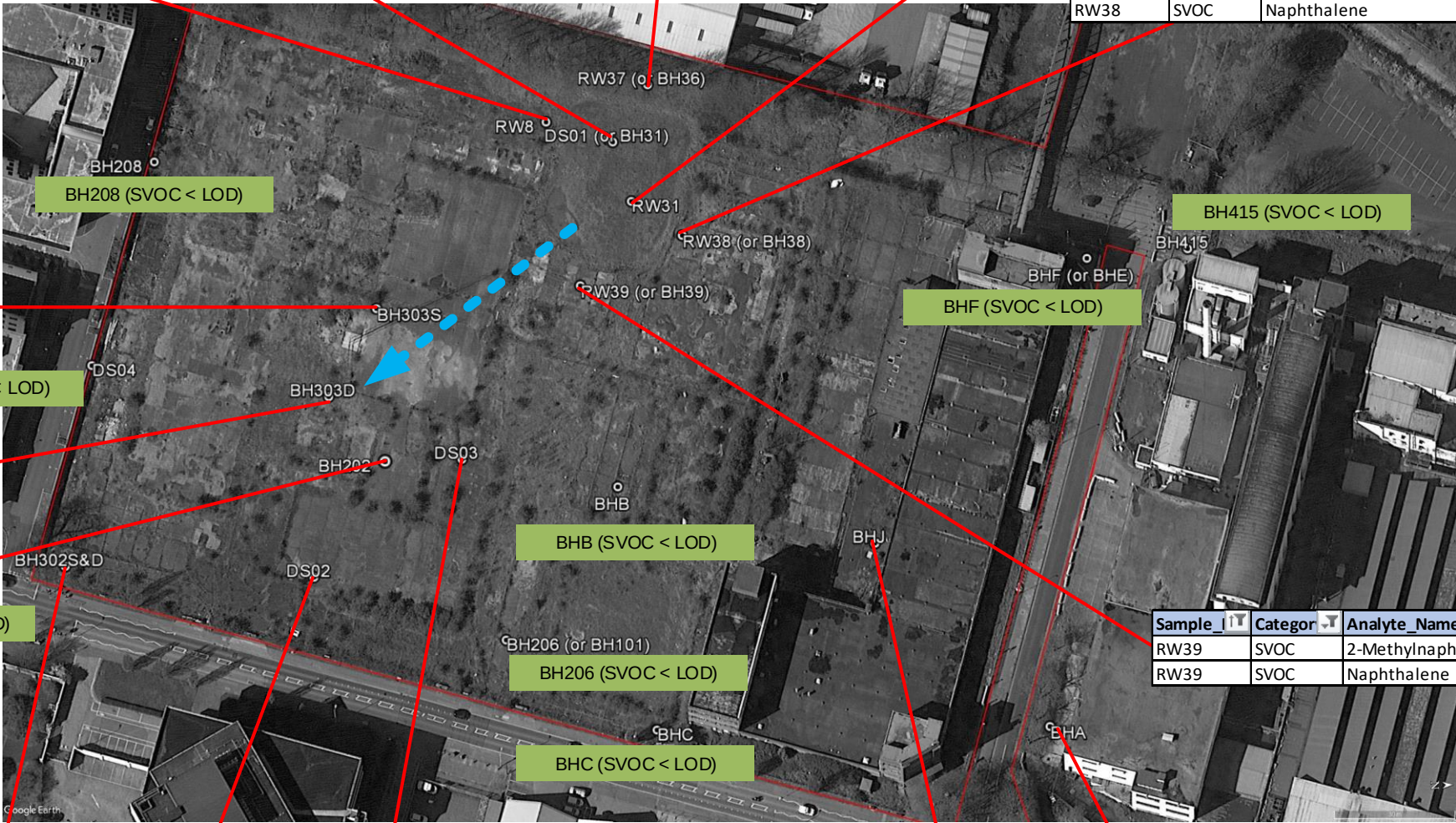
Sample_ID	Category	Analyte_Name	Result	Units
BH302s	SVOC	Naphthalene	7.70	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
DS03	SVOC	2-Methylnaphthalene	2.20	µg/l
DS03	SVOC	Naphthalene	24.00	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BHA	SVOC	Naphthalene	2.20	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
DS02	SVOC	Naphthalene	9.30	µg/l

Sample_ID	Category	Analyte_Name	Result	Units
BHJ	SVOC	2-Methylnaphthalene	1.10	µg/l
BHJ	SVOC	Naphthalene	29.00	µg/l



 Anticipated groundwater flow (based on previous Delta-Simons work).

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TITLE Annex B - Figure B4. Semi-Volatile Organic Compounds (SVOCs) Above Limit of Detection (LOD) Within Shallow (22 m bgl) and deep Groundwater (50 m bgl) (September 2017)	JOB REFERENCE: 016-1512	REVISIONS:			
	DATE: October 17, 2017	No.	Date	Description	
	SCALE: Not to Scale	00	17/10/17	DRAFT	
	CLIENT: Wheat Quarter Limited	-	-/-/-	-	
		DRAWN BY: MJS	CHECKED BY: SPR		



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f: [REDACTED]
e: [REDACTED]

Analytical Report Number : 17-62108

Replaces Analytical Report Number : 17-62108, issue no. 1

Project / Site name:	WGC	Samples received on:	29/09/2017
Your job number:	016-1512	Samples instructed on:	29/09/2017
Your order number:		Analysis completed by:	18/10/2017
Report Issue Number:	2	Report issued on:	18/10/2017
Samples Analysed:	22 water samples		

Signed:

[REDACTED]

Vineetha Meethale Vettil
Senior Account 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

Excel copies of reports are only valid when accompanied by this PDF certificate.



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
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	7.1	7.2	7.0	6.9	7.2
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO ₄	µg/l	45	ISO 17025	18400	25400	17400	14600	126000

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	7.67	< 0.01	9.29	24.4	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	7.67	< 0.16	9.29	24.4	< 0.16
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	12.5	0.66	8.93	5.10	0.64
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025	45	100	45	19	50
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.2	< 0.2	0.7	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	1.0	2.0	< 0.5	1.7	2.3
Lead (dissolved)	µg/l	0.2	ISO 17025	0.3	0.7	< 0.2	0.6	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.1	1.2	2.5	1.8	6.3
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.3	< 0.2	0.3	0.5
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.5	11	5.6	17	10



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	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
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	5.7	< 1.0	< 1.0	158	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	1.8	66.4	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

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

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	930	< 1.0	140	7500	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	4600	< 10	3000	8400	37
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	140	< 10	370	170	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	5700	< 10	3600	16000	37



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Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
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	1.7	< 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	< 1.0	5.6	51.3	< 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	< 1.0	6.7	2.1	2.4
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	5.7	< 1.0	< 1.0	158	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tri bromomethane	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	1.8	66.4	< 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	38.8	< 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	269	< 1.0	139	903	< 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	93.7	< 1.0	< 1.0	2130	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	55.2	< 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	1040	< 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
1,2,3-Trichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	µg/l	100	NONE	< 100	< 100	< 100	< 100	< 100

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

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Project / Site name: WGC

Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		
Carbon disulphide				µg/l	1	NONE	< 1.0	< 1.0



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Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

VOCs TICs

VOCs TICs Compound Name		10	NONE	Benzene, 1,2,3-trimethyl-	ND	ND	Benzene, 1,2,4,5-tetramethyl-	ND
VOC % Match	%	10	NONE	95	0	0	97	0
VOCs TICs Compound Name		10	NONE	-	-	-	Benzene, 2-ethyl-1,4-dimethyl-	-
VOC % Match	%	10	NONE	-	-	-	95	-
VOCs TICs Compound Name		10	NONE	-	-	-	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-5-methylene-	-
VOC % Match	%	10	NONE	-	-	-	95	-
VOCs TICs Compound Name		10	NONE	-	-	-	Benzene, 1,2,3-trimethyl-	-
VOC % Match	%	10	NONE	-	-	-	94	-
VOCs TICs Compound Name		10	NONE	-	-	-	Benzene, 1,3-dimethyl-	-
VOC % Match	%	10	NONE	-	-	-	93	-
VOCs TICs Compound Name		10	NONE	-	-	-	Benzene, 1,4-diethyl-	-
VOC % Match	%	10	NONE	-	-	-	91	-
VOCs TICs Compound Name		10	NONE	-	-	-	Benzene, 1-ethyl-2,3-dimethyl-	-
VOC % Match	%	10	NONE	-	-	-	91	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-



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Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	7.7	< 0.01	9.3	24	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	2.2	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826704	826705	826706	826707	826708
Sample Reference				BH302s	BH302d	DS02	DS03	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	p-Xylene	Benzene, 1,2,3-trimethyl-	p-Xylene	o-Xylene	Benzene, 1-methyl-2-(1-methylethyl)-
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,3-dimethyl-	2-Methylindene	o-Xylene	p-Xylene	Benzene, 1,3,5-trimethyl-
SVOC % Match	%	N/A	NONE	97	95	97	97	95
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,4,5-tetramethyl-	Benzene, 4-ethyl-1,2-dimethyl-	Benzene, 1-ethyl-3-methyl-	Benzene, 1,2-diethyl-	Benzene, 1-ethyl-2-methyl-
SVOC % Match	%	N/A	NONE	97	94	97	97	94
SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-2-methyl-	Benzene, 1-ethyl-3-methyl-	Benzene, 1,3,5-trimethyl-	Benzene, 1-methyl-2-(1-methylethyl)-	Benzene, 1-ethyl-2,3-dimethyl-
SVOC % Match	%	N/A	NONE	97	93	97	97	93
SVOCs TICs Compound Name		N/A	NONE	Benzene, 4-ethyl-1,2-dimethyl-	Benzene, 1-ethyl-2-methyl-	Benzene, 1-ethyl-2,4-dimethyl-	Benzene, 1,2,3,4-tetramethyl-	Piperidine, 1-(5-trifluoromethyl-2-pyridyl)-4-(1H-pyrrol-1-yl)-
SVOC % Match	%	N/A	NONE	96	93	97	97	91
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,2,3,4-tetrahydro-	Benzene, 1-methyl-2-(1-methylethyl)-	Benzene, 1,2,3,4-tetramethyl-	Benzene, 1-methyl-4-(phenylmethyl)-	Benzene, 1-methyl-3-propyl-
SVOC % Match	%	N/A	NONE	96	93	97	97	90
SVOCs TICs Compound Name		N/A	NONE	Benzenemethanol, 2,5-dimethyl-	3-Octadecene, (E)	Benzene, 1,2,4,5-tetramethyl-	Benzene, 1-ethyl-2,3-dimethyl-	Benzene, 2-ethyl-1,3-dimethyl-
SVOC % Match	%	N/A	NONE	96	93	97	96	90
SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-	1-Methylindan-2-one	Ethanone, 1-(2-methylphenyl)-	Naphthalene, 1,2,3,4-tetrahydro-	1-Nonene
SVOC % Match	%	N/A	NONE	96	90	97	96	90
SVOCs TICs Compound Name		N/A	NONE	1(2H)-Naphthalenone, 3,4-dihydro-	-	Phenol, 2,4,6-trimethyl-	Phenol, 2,4,6-trimethyl-	-
SVOC % Match	%	N/A	NONE	96	-	97	96	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2-diethyl-	-	3,4-Dimethylbenzyl alcohol	Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	-
SVOC % Match	%	N/A	NONE	95	-	97	96	-

PCBs by GC-MS

PCB Congener 28	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 52	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 101	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 118	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 138	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 153	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-
PCB Congener 180	µg/l	0.02	NONE	< 0.02	< 0.02	< 0.02	< 0.02	-

PCBs by GC-MS

Total PCBs	µg/l	0.14	NONE	< 0.14	< 0.14	< 0.14	< 0.14	-
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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.

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Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
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	6.9	7.2	7.1	7.2	6.7
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO ₄	µg/l	45	ISO 17025	147000	73700	136000	314000	3770

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	37
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	23.9
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	< 0.16	< 0.16	< 0.16	23.9
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.99	0.50	0.40	0.24	0.28
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025	100	38	46	63	60
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.4	0.4	0.5	0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	1.0	3.3	1.9	1.3	0.7
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.4	< 0.2	0.5	0.5
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	8.1	6.9	11	4.7	1.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.9	0.5	0.6	0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.3	16	19	5.8	9.8



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	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
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
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	18.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

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

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	1800
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	190	< 10	< 10	40	6300
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10	93
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	190	< 10	< 10	40	8200



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
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	< 1.0	< 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	< 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	10.3	< 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	< 1.0	< 1.0	< 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	< 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
Tri bromomethane	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	18.0
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	584
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	68.9
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	98.3
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
1,2,3-Trichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	µg/l	100	NONE	< 100	< 100	< 100	< 100	< 100

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

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Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		
Carbon disulphide				µg/l	1	NONE	< 1.0	< 1.0



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

VOCs TICs

VOCs TICs Compound Name		10	NONE	ND	ND	ND	ND	Benzene, 1,2,3-trimethyl-
VOC % Match	%	10	NONE	0	0	0	0	95
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	24
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	0.73
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826709	826710	826711	826712	826713
Sample Reference				BHB	BHC	BH206	BH208	BH303s
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/09/2017	28/09/2017	28/09/2017	28/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3-trimethyl-97	ND	ND	Benzene, 1,2,3-trimethyl-97	1H-Inden-1-one, 2,3-dihydro-98
SVOC % Match	%	N/A	NONE		0	0		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1-methyl-2-(1-methylethyl)-97	-	-	Benzene, 1,4-diethyl-97	p-Xylene 97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,3,5-trimethyl-97	-	-	Benzene, 1,3,5-trimethyl-95	Benzene, 1,3-dimethyl-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,4-diethyl-97	-	-	Benzene, 1,2,4,5-tetramethyl-95	Benzene, 1-ethyl-3-methyl-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2-diethyl-97	-	-	Benzene, 1,2-diethyl-94	Cyclohexane, 1-methyl-4-(1-methylethenyl)-, cis-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 2-ethyl-1,4-dimethyl-97	-	-	o-Xylene 93	Benzene, 1,2,3-trimethyl-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3,4-tetramethyl-97	-	-	Benzene, 1-ethyl-2-methyl-93	Benzene, 2-ethyl-1,4-dimethyl-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	p-Xylene 95	-	-	Eicosane 92	Benzene, 1-methyl-2-(1-methylethyl)-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethyl-2-methyl-95	-	-	Benzene, 1-methyl-2-propyl-90	Benzene, 1,2,3,4-tetramethyl-97
SVOC % Match	%	N/A	NONE		-	-		
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,4,5-tetramethyl-95	-	-	0	3,4-Dimethylbenzyl alcohol 96
SVOC % Match	%	N/A	NONE		-	-	0	

PCBs by GC-MS

PCB Congener 28	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 52	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 101	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 118	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 138	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 153	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-
PCB Congener 180	µg/l	0.02	NONE	-	< 0.02	< 0.02	-	-

PCBs by GC-MS

Total PCBs	µg/l	0.14	NONE	-	< 0.14	< 0.14	-	-
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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.

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Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
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	6.4	6.7	6.6	6.6	6.2
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO ₄	µg/l	45	ISO 17025	20800	7480	46700	30400	21500

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10	37	38	110
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	14.3	2.88	130	18.9	61.4
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	14.3	2.88	130	18.9	61.4
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.48	1.22	0.55	1.08	4.47
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025	25	42	690	70	73
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.7	0.7	0.3	0.7	0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	1.1	2.5	< 0.5	0.7	< 0.5
Lead (dissolved)	µg/l	0.2	ISO 17025	0.8	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.7	4.0	7.8	4.0	78
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.4	< 0.2	< 0.2	0.3	0.5
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.7	4.5	1.4	3.3	3.3



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	3.1
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	16.5	< 1.0	88.9
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	190	2.3	370
p & m-xylene	µg/l	1	ISO 17025	49.2	< 1.0	7060	11.9	2240
o-xylene	µg/l	1	ISO 17025	26.1	< 1.0	5420	18.4	2400
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	11000	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	11000	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	3.1
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	17	< 1.0	89
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	2000	< 1.0	610000	2300	42000
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	2600	880	8800	1700	12000
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	31	180	< 10	< 10	330
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	4600	1100	620000	4000	55000



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
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	4.6
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	12.1	< 1.0	< 1.0	< 1.0	2.9
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	3.1
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	< 1.0	1.5	3.2	13.4
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	16.5	< 1.0	88.9
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	190	2.3	370
p & m-Xylene	µg/l	1	ISO 17025	49.2	< 1.0	7060	11.9	2240
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	26.1	< 1.0	5420	18.4	2400
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	3280	8.3	285
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	14300	16.1	2170
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	487	< 1.0	79600	468	6180
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	479	< 1.0	151000	134	18600
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	353	4.0	55.3
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	91.3	< 1.0	9660	22.9	2520
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	343	< 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
1,2,3-Trichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	µg/l	100	NONE	< 100	310	1800	< 100	15000

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

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Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
Carbon disulphide	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

VOCs TICs

VOCs TICs Compound Name		10	NONE	Benzene, 1,2,3-trimethyl-	Methylene Chloride	Benzene, 1,2-diethyl-	Benzene, 1,2,3-trimethyl-	Benzene, 1,3-dimethyl-
VOC % Match	%	10	NONE	95	91	98	97	97
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 1,2,3-trimethyl-	Benzene, 2-ethyl-1,4-dimethyl-	Benzene, 1,2,4,5-tetramethyl-
VOC % Match	%	10	NONE	-	-	97	90	96
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 2-ethyl-1,4-dimethyl-	-	Benzene, 1,2,3-trimethyl-
VOC % Match	%	10	NONE	-	-	97	-	95
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 1,2,4,5-tetramethyl-	-	Benzene, 2-ethyl-1,4-dimethyl-
VOC % Match	%	10	NONE	-	-	97	-	95
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 4-ethyl-1,2-dimethyl-	-	Methylene Chloride
VOC % Match	%	10	NONE	-	-	95	-	91
VOCs TICs Compound Name		10	NONE	-	-	Azulene	-	Benzene, 1,4-diethyl-
VOC % Match	%	10	NONE	-	-	94	-	90
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 1-ethyl-2,3-dimethyl-	-	-
VOC % Match	%	10	NONE	-	-	93	-	-
VOCs TICs Compound Name		10	NONE	-	-	Methylene Chloride	-	-
VOC % Match	%	10	NONE	-	-	91	-	-
VOCs TICs Compound Name		10	NONE	-	-	Benzene, 1,4-diethyl-	-	-
VOC % Match	%	10	NONE	-	-	91	-	-
VOCs TICs Compound Name		10	NONE	-	-	Decane, 3-methyl-	-	-
VOC % Match	%	10	NONE	-	-	90	-	-



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	14	2.9	130	19	61
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	1.1	< 0.05	4.0	1.8	3.0
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826714	826715	826716	826717	826718
Sample Reference				BH303d	RW31	RW37	RW38	RW39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	27/09/2017	27/09/2017	27/09/2017	27/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name						1H-Inden-1-one, 2,3-dihydro-	1H-Inden-1-one, 2,3-dihydro-	Benzene, 1,3- dimethyl-
SVOC % Match	%	N/A	NONE	p-Xylene	o-Xylene	98	98	97
SVOCs TICs Compound Name		N/A	NONE	o-Xylene	Benzene, 1,3- dimethyl-	Benzene, 1,3- dimethyl-	Benzene, 1,3- dimethyl-	o-Xylene
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,3,5- trimethyl-	Benzene, 1,3,5- trimethyl-	o-Xylene	o-Xylene	Benzene, 1,2,3- trimethyl-
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3- trimethyl-	Benzene, 1,2,3- trimethyl-	Benzene, 1- methyl-2-(1- methylethyl)-	Benzene, 1,3- diethyl-	Benzene, 1,2,3,4- tetramethyl-
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,4,5- tetramethyl-	Benzene, 1- methyl-2-(1- methylethyl)-	Benzene, 1,2,3,4- tetramethyl-	Benzene, 1- methyl-2-(1- methylethyl)-	Ethanone, 1-(3- methylphenyl)-
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	3,4- Dimethylbenzyl alcohol	Benzene, 1-ethyl- 2,4-dimethyl-	Benzene, 1,2,4,5- tetramethyl-	Benzene, 1,2,3,4- tetramethyl-	1H-Inden-1-one, 2,3-dihydro-
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-	Benzene, 1,2,4,5- tetramethyl-	1-Methylindan-2- one	Benzene, 1,2,4,5- tetramethyl-	1-Methylindan-2- one
SVOC % Match	%	N/A	NONE	97	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethyl- 2,3-dimethyl-	1-Methylindan-2- one	1(2H)- Naphthalenone, 3,4-dihydro-	Ethanone, 1-(3- methylphenyl)-	1(2H)- Naphthalenone, 3,4-dihydro-
SVOC % Match	%	N/A	NONE	96	97	97	97	97
SVOCs TICs Compound Name		N/A	NONE	Benzene, 2-ethyl- 1,4-dimethyl-	1(2H)- Naphthalenone, 3,4-dihydro-	Benzene, 4-ethyl- 1,2-dimethyl-	Naphthalene, 1,2,3,4-tetrahydro-	Benzene, 4-ethyl- 1,2-dimethyl-
SVOC % Match	%	N/A	NONE	96	97	96	97	96
SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-2- methyl-	Benzene, 2-ethyl- 1,4-dimethyl-	Phenol, 2,4,6- trimethyl-	Phenol, 2,4,6- trimethyl-	Ethanone, 1-(2,4- dimethylphenyl)-
SVOC % Match	%	N/A	NONE	96	96	96	97	96

PCBs by GC-MS

PCB Congener 28	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 52	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 101	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 118	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 138	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 153	µg/l	0.02	NONE	-	-	-	< 0.02	-
PCB Congener 180	µg/l	0.02	NONE	-	-	-	< 0.02	-

PCBs by GC-MS

Total PCBs	µg/l	0.14	NONE	-	-	-	< 0.14	-
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
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	6.8	7.0	7.2	7.0	7.2
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO ₄	µg/l	45	ISO 17025	8310	20400	43800	1370	31400

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	19	< 10	< 10	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	51.3	2.21	< 0.01	28.7	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	51.3	2.21	< 0.16	28.7	< 0.16
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.68	1.10	0.27	2.30	0.33
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025	56	47	100	23	120
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.2	< 0.2	0.5	< 0.2	0.4
Copper (dissolved)	µg/l	0.5	ISO 17025	6.8	< 0.5	1.7	4.1	2.0
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	4.6	3.6	1.0	3.9	1.1
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	0.8	< 0.6	0.7
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	0.4	< 0.2	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.6	13	15	65	22



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	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
Ethylbenzene	µg/l	1	ISO 17025	14.1	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	346	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	70.6	< 1.0	< 1.0	9.7	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

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

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	19000	< 1.0	< 1.0	520	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	8600	1400	< 10	4300	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	90	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	28000	1400	< 10	4800	< 10



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
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	< 1.0	< 1.0	10.4	< 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	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	7.4
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	14.1	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	346	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tri bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	70.6	< 1.0	< 1.0	9.7	< 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	173	< 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	2490	< 1.0	< 1.0	508	< 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	5310	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	76.1	< 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	1230	< 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
1,2,3-Trichloropropane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane	µg/l	100	NONE	< 100	< 100	< 100	< 100	< 100

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

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Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		
Carbon disulphide				µg/l	1	NONE	< 1.0	< 1.0



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

VOCs TICs

VOCs TICs Compound Name		10	NONE	Benzene, 1,3-dimethyl-	ND	ND	Benzene, 1,2,3-trimethyl-	ND
VOC % Match	%	10	NONE	97	0	0	95	0
VOCs TICs Compound Name		10	NONE	Benzene, 2-ethyl-1,4-dimethyl-	-	-	-	-
VOC % Match	%	10	NONE	97	-	-	-	-
VOCs TICs Compound Name		10	NONE	Benzene, 1,2,4,5-tetramethyl-	-	-	-	-
VOC % Match	%	10	NONE	97	-	-	-	-
VOCs TICs Compound Name		10	NONE	Benzene, 4-ethyl-1,2-dimethyl-	-	-	-	-
VOC % Match	%	10	NONE	95	-	-	-	-
VOCs TICs Compound Name		10	NONE	Benzene, 1,2,3-trimethyl-	-	-	-	-
VOC % Match	%	10	NONE	94	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	51	2.2	< 0.01	29	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	1.3	< 0.05	< 0.05	1.1	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826719	826720	826721	826722	826723
Sample Reference				RW8	BHA	BHF	BHJ	BH415
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				27/09/2017	28/09/2017	28/09/2017	27/09/2017	28/09/2017
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-	Benzenemethanol, 2,5-dimethyl-	ND	Benzene, 1,3- dimethyl-	ND
SVOC % Match	%	N/A	NONE	98	98	0	97	0
SVOCs TICs Compound Name		N/A	NONE	o-Xylene	Benzene, 1,3- dimethyl-	-	Benzene, 2-ethyl- 1,4-dimethyl-	-
SVOC % Match	%	N/A	NONE	97	97	-	97	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1- methyl-2-(1- methylethyl)-	Benzene, 1,2,3- trimethyl-	-	Benzene, 1,2,4,5- tetramethyl-	-
SVOC % Match	%	N/A	NONE	97	97	-	97	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethyl- 2,4-dimethyl-	Benzene, 1-ethyl- 2,4-dimethyl-	-	Benzene, 1,2,3,4- tetramethyl-	-
SVOC % Match	%	N/A	NONE	97	97	-	97	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3,4- tetramethyl-	Benzene, 1,2,4,5- tetramethyl-	-	Phenol, 2,4- bis(1,1- dimethylethyl)-	-
SVOC % Match	%	N/A	NONE	97	97	-	97	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,4,5- tetramethyl-	Benzene, 1,2,3,4- tetramethyl-	-	Naphthalene, 1,2,3,4-tetrahydro-	-
SVOC % Match	%	N/A	NONE	97	97	-	96	-
SVOCs TICs Compound Name		N/A	NONE	Phenol, 2,4,6- trimethyl-	1H-Inden-1-one, 2,3-dihydro-	-	Benzenemethanol, 2,5-dimethyl-	-
SVOC % Match	%	N/A	NONE	97	97	-	96	-
SVOCs TICs Compound Name		N/A	NONE	Benzenemethanol, 2,5-dimethyl-	Dimethylbenzyl alcohol	-	3,4- Dimethylbenzyl alcohol	-
SVOC % Match	%	N/A	NONE	97	96	-	96	-
SVOCs TICs Compound Name		N/A	NONE	3,4- Dimethylbenzyl alcohol	p-Xylene	-	Phenol, 2,4,6- trimethyl-	-
SVOC % Match	%	N/A	NONE	97	95	-	96	-
SVOCs TICs Compound Name		N/A	NONE	Benzene, 2-ethyl- 1,4-dimethyl-	Benzene, 1-ethyl- 3-methyl-	-	Benzene, 1- methyl-2-(1- methylethyl)-	-
SVOC % Match	%	N/A	NONE	96	95	-	95	-

PCBs by GC-MS

PCB Congener 28	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 52	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 101	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 118	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 138	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 153	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02
PCB Congener 180	µg/l	0.02	NONE	-	< 0.02	-	-	< 0.02

PCBs by GC-MS

Total PCBs	µg/l	0.14	NONE	-	< 0.14	-	-	< 0.14
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
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	7.1	6.6			
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10			
Sulphate as SO ₄	µg/l	45	ISO 17025	110000	16800			

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	81			
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	4.62	27.3			
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	4.62	27.3			
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.34	3.65			
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1			
Boron (dissolved)	µg/l	10	ISO 17025	33	95			
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02			
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0			
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.4			
Copper (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5			
Lead (dissolved)	µg/l	0.2	ISO 17025	0.2	< 0.2			
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05			
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.5	5.2			
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6			
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.4	0.3			
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.1	2.0			



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	3.2			
Toluene	µg/l	1	ISO 17025	< 1.0	16.6			
Ethylbenzene	µg/l	1	ISO 17025	15.4	113			
p & m-xylene	µg/l	1	ISO 17025	< 1.0	656			
o-xylene	µg/l	1	ISO 17025	7.5	381			
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	< 10			
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10			
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10			

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	3.2			
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	17			
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	300	20000			
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	970	6400			
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			
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	1300	27000			



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Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
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	13.8	< 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	3.2			
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	2.0	1.6			
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	16.6			
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	< 1.0	< 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	15.4	113			
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	656			
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	7.5	381			
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Isopropylbenzene	µg/l	1	ISO 17025	33.7	373			
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
n-Propylbenzene	µg/l	1	ISO 17025	126	692			
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	114	2000			
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	6650			
sec-Butylbenzene	µg/l	1	ISO 17025	12.4	74.9			
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p-Isopropyltoluene	µg/l	1	ISO 17025	56.8	1210			
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			
1,2,3-Trichloropropane	µg/l	1	NONE	< 1.0	< 1.0			
Dichloromethane	µg/l	100	NONE	< 100	10000			



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		
Carbon disulphide				µg/l	1	NONE	< 1.0	< 1.0



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

VOCs TICs

VOCs TICs Compound Name		10	NONE	Benzene, 1,2,3-trimethyl-	Benzene, 1,2,4,5-tetramethyl-			
VOC % Match	%	10	NONE	97	97			
VOCs TICs Compound Name		10	NONE	-	Benzene, 2-ethyl-1,4-dimethyl-			
VOC % Match	%	10	NONE	-	95			
VOCs TICs Compound Name		10	NONE	-	Benzene, 1,2,3-trimethyl-			
VOC % Match	%	10	NONE	-	94			
VOCs TICs Compound Name		10	NONE	-	Benzene, 1,3-dimethyl-			
VOC % Match	%	10	NONE	-	93			
VOCs TICs Compound Name		10	NONE	-	Methylene Chloride			
VOC % Match	%	10	NONE	-	91			
VOCs TICs Compound Name		10	NONE	-	Benzene, 4-ethyl-1,2-dimethyl-			
VOC % Match	%	10	NONE	-	91			
VOCs TICs Compound Name		10	NONE	-	-			
VOC % Match	%	10	NONE	-	-			
VOCs TICs Compound Name		10	NONE	-	-			
VOC % Match	%	10	NONE	-	-			
VOCs TICs Compound Name		10	NONE	-	-			
VOC % Match	%	10	NONE	-	-			
VOCs TICs Compound Name		10	NONE	-	-			
VOC % Match	%	10	NONE	-	-			



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05			
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05			
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05			
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Naphthalene	µg/l	0.01	ISO 17025	4.6	27			
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	1.6			
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05			
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05			
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05			
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05			
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05			
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05			
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
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			



Analytical Report Number: 17-62108

Project / Site name: WGC

Lab Sample Number				826724	826725			
Sample Reference				BH202	DS01			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				28/09/2017	27/09/2017			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name		N/A	NONE	1H-Inden-1-one, 2,3-dihydro-	1H-Inden-1-one, 2,3-dihydro-			
SVOC % Match	%	N/A	NONE	98	98			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,3- dimethyl-	p-Xylene			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	p-Xylene	Benzene, 4-ethyl- 1,2-dimethyl-			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3- trimethyl-	Benzene, 1,2,3,4- tetramethyl-			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Bicyclo[4.1.0]hept- ane, 3,7,7- trimethyl-, (1.alpha.,3.alpha., 6.alpha.)-	Benzene, 1,2,4,5- tetramethyl-			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2- diethyl-	Phenol, 2,4,6- trimethyl-			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1- methyl-2-(1- methylethyl)-	1-Methylindan-2- one			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3,5- tetramethyl-	1,3,5-Trithiane			
SVOC % Match	%	N/A	NONE	97	97			
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,3,4- tetramethyl-	Benzenemethanol, 2,5-dimethyl-			
SVOC % Match	%	N/A	NONE	97	96			
SVOCs TICs Compound Name		N/A	NONE	1(2H)- Naphthalenone, 3,4-dihydro-	1(2H)- Naphthalenone, 3,4-dihydro-			
SVOC % Match	%	N/A	NONE	97	96			

PCBs by GC-MS

PCB Congener 28	µg/l	0.02	NONE	-	-			
PCB Congener 52	µg/l	0.02	NONE	-	-			
PCB Congener 101	µg/l	0.02	NONE	-	-			
PCB Congener 118	µg/l	0.02	NONE	-	-			
PCB Congener 138	µg/l	0.02	NONE	-	-			
PCB Congener 153	µg/l	0.02	NONE	-	-			
PCB Congener 180	µg/l	0.02	NONE	-	-			

PCBs by GC-MS

Total PCBs	µg/l	0.14	NONE	-	-			
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 17-62108

Project / Site name: WGC

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
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
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
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
Monohydric phenols in water	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
PCB's By GC-MS in water	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L028-PL	W	NONE
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
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-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
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
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE
Total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
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
Volatile organic compounds in water extended	Determination of volatile organic compounds in water by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE

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.

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

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Sample ID	Other ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH202		W	17-62108	826724	c	pH at 20oC in water (automated)	L099-PL	c
BH206		W	17-62108	826711	c	pH at 20oC in water (automated)	L099-PL	c
BH208		W	17-62108	826712	c	pH at 20oC in water (automated)	L099-PL	c
BH302d		W	17-62108	826705	c	pH at 20oC in water (automated)	L099-PL	c
BH302s		W	17-62108	826704	c	pH at 20oC in water (automated)	L099-PL	c
BH303d		W	17-62108	826714	c	pH at 20oC in water (automated)	L099-PL	c
BH303s		W	17-62108	826713	c	pH at 20oC in water (automated)	L099-PL	c
BH415		W	17-62108	826723	c	pH at 20oC in water (automated)	L099-PL	c
BHA		W	17-62108	826720	c	pH at 20oC in water (automated)	L099-PL	c
BHB		W	17-62108	826709	c	pH at 20oC in water (automated)	L099-PL	c
BHC		W	17-62108	826710	c	pH at 20oC in water (automated)	L099-PL	c
BHF		W	17-62108	826721	c	pH at 20oC in water (automated)	L099-PL	c
BHJ		W	17-62108	826722	c	pH at 20oC in water (automated)	L099-PL	c
DS01		W	17-62108	826725	c	pH at 20oC in water (automated)	L099-PL	c
DS02		W	17-62108	826706	c	pH at 20oC in water (automated)	L099-PL	c
DS03		W	17-62108	826707	c	pH at 20oC in water (automated)	L099-PL	c
DS04		W	17-62108	826708	c	pH at 20oC in water (automated)	L099-PL	c
RW31		W	17-62108	826715	c	pH at 20oC in water (automated)	L099-PL	c
RW37		W	17-62108	826716	c	pH at 20oC in water (automated)	L099-PL	c
RW38		W	17-62108	826717	c	pH at 20oC in water (automated)	L099-PL	c
RW39		W	17-62108	826718	c	pH at 20oC in water (automated)	L099-PL	c
RW8		W	17-62108	826719	c	pH at 20oC in water (automated)	L099-PL	c
Trip Blank		W	17-62108	826726	c			