

Data Summary Statistics

Site:	Cole Green	Project No:	9Y0074
Data Description:	Surface Water		
Land Use:	Residential	Completed By:	DBP
Receptor:	Controlled Waters	Checked By:	EH

Assessment Criteria Key

a) WFD inland surface waters 2015	e)	i)	m)	q)
b) Laboratory limit of detection	f)	j)	n)	r)
c)	g)	k)	o)	s)
d)	h)	l)	p)	t)

Contaminant	Units	Method Detection Limit	Assessment Criteria (AC)	Source (see key)	Summary Statistics						Sample Identifiers and Analytical Data														
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	CG SW01	CGSW01	CGSW01	CG SW02	CGSW02	CGSW02	CG SW03	CGSW03	CGSW03	CGSW04	CGSW04	CGSW05	BFSW01	BFSW02
												01/01/2014	01/05/2014	01/01/2015	01/01/2014	01/05/2014	01/01/2015	01/01/2014	01/05/2014	01/01/2015	01/05/2014	01/01/2015	01/05/2014	01/01/2015	01/05/2014
1,2-Dibromo-3-chloropropane	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
1,2,4-Trichlorobenzene	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
Hexachlorobutadiene	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
tert-Amyl methyl ether (TAME)	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
Naphthalene	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
1,2,3-Trichlorobenzene	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
1,3,5-Trichlorobenzene	µg/l	<1	-		7	0	1	1	-	-	-	<1	<1		<1	<1		<1	<1		<1				
Combined Pesticides / Herbicides			-		0	0	0	0	-	-	-														
Dichlorvos	µg/l	<0.01	-		5	0	0.01	0.05	-	-	-		<0.05			<0.01		<0.01	<0.01		<0.01				
Mevinphos	µg/l	<0.01	-		5	0	0.01	0.05	-	-	-		<0.05			<0.01		<0.01	<0.01		<0.01				

Data Summary Statistics

u)
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w)
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Contaminant	Units	BFSW04														
		01/01/2015														
Carbon, Organic (diss.filt)	mg/l	12.8														
Inorganics																
Ammoniacal Nitrogen as NH3	mg/l	6.38														
Conductivity @ 20 deg. C	mS/cm	1.28														
pH	pH Units	7.91														
Sulphate	mg/l	207														
Chloride	mg/l	149														
BOD, unfiltered	mg/l	<1														
Alkalinity, Total as CaCO3	mg/l	261														
Total Oxidised Nitrogen as N	mg/l	9.32														
Filtered (Dissolved) Metals																
Mercury (diss.filt)	µg/l	<0.01														
Calcium	mg/l	152														
Arsenic (diss.filt)	µg/l	1.53														
Sodium	mg/l	94.1														
Barium (diss.filt)	µg/l	79.9														
Magnesium	mg/l	20														
Beryllium (diss.filt)	µg/l	0.465														
Potassium	mg/l	11.3														
Iron	mg/l	0.486														
Boron (diss.filt)	µg/l	366														
Cadmium (diss.filt)	µg/l	0.976														
Chromium (diss.filt)	µg/l	1.24														
Copper (diss.filt)	µg/l	2.75														
Lead (diss.filt)	µg/l	0.924														
Manganese	ug/l	-														
Nickel (diss.filt)	µg/l	46														
Selenium (diss.filt)	µg/l	2.37														
Vanadium (diss.filt)	µg/l	0.748														
Zinc (diss.filt)	µg/l	61.6														
Unfiltered (Total) Metals																
Hardness, Total as CaCO3 unfiltered	mg/l															
Phenols																
Phenol	mg/l															
Cresols	mg/l															
Xylenols	mg/l															
2,3,5-Trimethylphenol	mg/l															
2-Isopropylphenol	mg/l															
Phenols, Total Detected 5 speciated	mg/l															
TPH Criteria Working Group (TPH CWG)																
GRO >C5-C12	ug/l	<50														
Methyl tertiary butyl ether (MTBE)	µg/l	<3														
Benzene	µg/l	<7														
Toluene	µg/l	<4														
Ethylbenzene	µg/l	<5														
m,p-Xylene	µg/l	<8														
o-Xylene	µg/l	<3														
Sum of detected Xylenes	µg/l	<11														
Sum of detected BTEX	ug/l	<28														
Aliphatics >C5-C6	µg/l	<10														
Aliphatics >C6-C8	µg/l	<10														
Aliphatics >C8-C10	µg/l	<10														
Aliphatics >C10-C12	µg/l	<10														
Aliphatics >C12-C16 (aq)	µg/l	<10														
Aliphatics >C16-C21 (aq)	µg/l	<10														
Aliphatics >C21-C35 (aq)	µg/l	<10														
Aromatics >EC5-EC7	µg/l	<10														
Aromatics >EC7-EC8	µg/l	<10														
Aromatics >EC8-EC10	µg/l	<10														
Aromatics >EC10-EC12	µg/l	<10														
Aromatics >EC12-EC16 (aq)	µg/l	<10														
Aromatics >EC16-EC21 (aq)	µg/l	<10														
Aromatics >EC21-EC35 (aq)	µg/l	<10														
Polyaromatic Hydrocarbons (PAHs)																
Naphthalene (aq)	µg/l	<0.1														
Acenaphthene (aq)	µg/l	<0.015														
Acenaphthylene (aq)	µg/l	<0.011														
Fluoranthene (aq)	µg/l	0.0396														
Anthracene (aq)	µg/l	<0.015														

Data Summary Statistics

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Contaminant	Units	BFSW04																
		01/01/2015																
Phenanthrene (aq)	µg/l	<0.022																
Fluorene (aq)	µg/l	<0.014																
Chrysene (aq)	µg/l	0.0258																
Pyrene (aq)	µg/l	0.0374																
Benzo(a)anthracene (aq)	µg/l	0.0213																
Benzo(b)fluoranthene (aq)	µg/l	0.0416																
Benzo(k)fluoranthene (aq)	µg/l	<0.027																
Benzo(a)pyrene (aq)	µg/l	0.0265																
Dibenzo(a,h)anthracene (aq)	µg/l	<0.016																
Benzo(g,h,i)perylene (aq)	µg/l	0.0244																
Indeno(1,2,3-cd)pyrene (aq)	µg/l	0.0212																
PCB's - (Solids)																		
PCB congener 28	µg/l																	
PCB congener 52	µg/l																	
PCB congener 101	µg/l																	
PCB congener 118	µg/l																	
PCB congener 138	µg/l																	
PCB congener 153	µg/l																	
PCB congener 180	µg/l																	
Sum of detected EC7 PCB's	µg/l																	
Semi-Volatile Organic Compounds																		
1,2,4-Trichlorobenzene (aq)	µg/l																	
1,2-Dichlorobenzene (aq)	µg/l																	
1,3-Dichlorobenzene (aq)	µg/l																	
1,4-Dichlorobenzene (aq)	µg/l																	
2,4,5-Trichlorophenol (aq)	µg/l																	
2,4,6-Trichlorophenol (aq)	µg/l																	
2,4-Dichlorophenol (aq)	µg/l																	
2,4-Dimethylphenol (aq)	µg/l																	
2,4-Dinitrotoluene (aq)	µg/l																	
2,6-Dinitrotoluene (aq)	µg/l																	
2-Chloronaphthalene (aq)	µg/l																	
2-Chlorophenol (aq)	µg/l																	
2-Methylnaphthalene (aq)	µg/l																	
2-Methylphenol (aq)	µg/l																	
2-Nitroaniline (aq)	µg/l																	
2-Nitrophenol (aq)	µg/l																	
3-Nitroaniline (aq)	µg/l																	
4-Bromophenylphenylether (aq)	µg/l																	
4-Chloro-3-methylphenol (aq)	µg/l																	
4-Chloroaniline (aq)	µg/l																	
4-Chlorophenylphenylether (aq)	µg/l																	
4-Methylphenol (aq)	µg/l																	
4-Nitroaniline (aq)	µg/l																	
4-Nitrophenol (aq)	µg/l																	
Azobenzene (aq)	µg/l																	
Acenaphthylene (aq)	µg/l																	
Acenaphthene (aq)	µg/l																	
Anthracene (aq)	µg/l																	
bis(2-Chloroethyl)ether (aq)	µg/l																	
bis(2-Chloroethoxy)methane (aq)	µg/l																	
bis(2-Ethylhexyl) phthalate (aq)	µg/l																	
Butylbenzyl phthalate (aq)	µg/l																	
Benzo(a)anthracene (aq)	µg/l																	
Benzo(b)fluoranthene (aq)	µg/l																	
Benzo(k)fluoranthene (aq)	µg/l																	
Benzo(a)pyrene (aq)	µg/l																	
Benzo(g,h,i)perylene (aq)	µg/l																	
Carbazole (aq)	µg/l																	
Chrysene (aq)	µg/l																	
Dibenzofuran (aq)	µg/l																	
n-Dibutyl phthalate (aq)	µg/l																	
Diethyl phthalate (aq)	µg/l																	
Dibenzo(a,h)anthracene (aq)	µg/l																	
Dimethyl phthalate (aq)	µg/l																	
n-Dioctyl phthalate (aq)	µg/l																	
Fluoranthene (aq)	µg/l																	
Fluorene (aq)	µg/l																	
Hexachlorobenzene (aq)	µg/l																	

Data Summary Statistics

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Contaminant	Units	BFSW04																
		01/01/2015																
Hexachlorobutadiene (aq)	µg/l																	
Pentachlorophenol (aq)	µg/l																	
Phenol (aq)	µg/l																	
n-Nitroso-n-dipropylamine (aq)	µg/l																	
Hexachloroethane (aq)	µg/l																	
Nitrobenzene (aq)	µg/l																	
Naphthalene (aq)	µg/l																	
Isophorone (aq)	µg/l																	
Hexachlorocyclopentadiene (aq)	µg/l																	
Phenanthrene (aq)	µg/l																	
Indeno(1,2,3-cd)pyrene (aq)	µg/l																	
Pyrene (aq)	µg/l																	
Volatile Organic Compounds																		
Dichlorodifluoromethane	µg/l																	
Chloromethane	µg/l																	
Vinyl chloride	µg/l																	
Bromomethane	µg/l																	
Chloroethane	µg/l																	
Trichlorofluoromethane	µg/l																	
1,1-Dichloroethene	µg/l																	
Carbon disulphide	µg/l																	
Dichloromethane	µg/l																	
Methyl tertiary butyl ether (MTBE)	µg/l																	
trans-1,2-Dichloroethene	µg/l																	
1,1-Dichloroethane	µg/l																	
cis-1,2-Dichloroethene	µg/l																	
2,2-Dichloropropane	µg/l																	
Bromochloromethane	µg/l																	
Chloroform	µg/l																	
1,1,1-Trichloroethane	µg/l																	
1,1-Dichloropropene	µg/l																	
Carbontetrachloride	µg/l																	
1,2-Dichloroethane	µg/l																	
Benzene	µg/l																	
Trichloroethene	µg/l																	
1,2-Dichloropropane	µg/l																	
Dibromomethane	µg/l																	
Bromodichloromethane	µg/l																	
cis-1,3-Dichloropropene	µg/l																	
Toluene	µg/l																	
trans-1,3-Dichloropropene	µg/l																	
1,1,2-Trichloroethane	µg/l																	
1,3-Dichloropropane	µg/l																	
Tetrachloroethene	µg/l																	
Dibromochloromethane	µg/l																	
1,2-Dibromoethane	µg/l																	
Chlorobenzene	µg/l																	
1,1,1,2-Tetrachloroethane	µg/l																	
Ethylbenzene	µg/l																	
m,p-Xylene	µg/l																	
o-Xylene	µg/l																	
Styrene	µg/l																	
Bromoform	µg/l																	
Isopropylbenzene	µg/l																	
1,1,1,2,2-Tetrachloroethane	µg/l																	
1,2,3-Trichloropropane	µg/l																	
Bromobenzene	µg/l																	
Propylbenzene	µg/l																	
2-Chlorotoluene	µg/l																	
1,3,5-Trimethylbenzene	µg/l																	
4-Chlorotoluene	µg/l																	
tert-Butylbenzene	µg/l																	
1,2,4-Trimethylbenzene	µg/l																	
sec-Butylbenzene	µg/l																	
4-iso-Propyltoluene	µg/l																	
1,3-Dichlorobenzene	µg/l																	
1,4-Dichlorobenzene	µg/l																	
n-Butylbenzene	µg/l																	
1,2-Dichlorobenzene	µg/l																	

Data Summary Statistics

u)
v)
w)
x)

Contaminant	Units	BFSW04																
		01/01/2015																
1,2-Dibromo-3-chloropropane	µg/l																	
1,2,4-Trichlorobenzene	µg/l																	
Hexachlorobutadiene	µg/l																	
tert-Amyl methyl ether (TAME)	µg/l																	
Naphthalene	µg/l																	
1,2,3-Trichlorobenzene	µg/l																	
1,3,5-Trichlorobenzene	µg/l																	
Combined Pesticides / Herbicides																		
Dichlorvos	µg/l																	
Mevinphos	µg/l																	