

Freedom of Information (FOI) Request  
Reference: FOI-782208483

Substance	Units	Date Sample Taken						
		02/05/2012	08/05/2012	17/05/2012	25/05/2012	22/06/2012	09/07/2012	
1,2 Dichloroethane	Priority Substance	µg/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
17 alpha-ethinylestradiol (EE2)	Proposed Priority Substance	µg/L	0.000636	<0.0004	0.000949	0.00119	0.000272	0.000155
17 beta-estradiol (E2)	Proposed Priority Substance	µg/L	0.00239	0.000792	0.00302	0.00479	0.0007	0.000932
2,4 Dichlorophenol	Specific Pollutant	µg/L	0.0392	0.0331	0.0411	<0.02	0.0367	No result
2,4 D	Specific Pollutant	µg/L	0.0103	0.00889	0.00989	0.0133	0.0486	0.019
Ammonia (unionized)	Specific Pollutant	µg/L	27900	19800	15000	16100	1650	6660
Atrazine	Priority Substance	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo (g,h,i)-perylene	Priority Substance	µg/L	<0.0300	<0.0300	<0.0300	<0.0300	0.2	<0.0300
PBDE 183	Priority Substance	µg/L	0.000126	<0.000120	0.000124	0.000064	0.000063	0.000141
PBDE 138	Priority Substance	µg/L	<0.0000600	<0.000120	<0.0000600	<0.0000600	<0.0000600	<0.0000600
PBDE 85	Priority Substance	µg/L	<0.0000600	<0.000120	0.000223	<0.0000600	<0.0000600	<0.0000600
PBDE 153	Priority Substance	µg/L	0.000074	0.000535	0.000487	0.000104	0.000106	0.00006
PBDE 154	Priority Substance	µg/L	0.000069	0.000435	0.000474	0.000096	0.000078	<0.0000600
PBDE 99	Priority Substance	µg/L	0.000969	0.00493	0.00504	0.0013	0.0015	0.000721
PBDE 100	Priority Substance	µg/L	0.000205	0.00117	0.00116	0.000415	0.000402	0.000198
PBDE 47	Priority Substance	µg/L	0.00104	0.00365	0.00371	0.00127	0.00142	0.000884
PBDE 66	Priority Substance	µg/L	<0.0000600	<0.000120	0.000187	<0.0000600	<0.0000600	<0.0000600
PBDE 28	Priority Substance	µg/L	0.000118	0.000269	0.000268	<0.0000600	0.000119	0.000148
Carbon tetrachloride	Priority Substance	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Copper (Dissolved)	Specific Pollutant	µg/L	5.38	6.58	6.57	6.92	3.6	4.61
DEHP	Priority Substance	µg/L	<0.2	<0.200	<0.200	0.424	<0.2	<0.2
Dichloromethane	Priority Substance	µg/L	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Diclofenac	Proposed Priority Substance	µg/L	0.522	0.732	0.876	0.671	0.383	0.483
Diuron	Priority Substance	µg/L	0.14	0.0876	0.0852	0.116	0.102	0.103
Indeno (1,2,3-cd) pyrene	Priority Substance	µg/L	<0.0500	<0.0500	<0.0500	<0.0500	0.35	<0.0500
Mecoprop	Specific Pollutant	µg/L	0.0219	0.0175	0.0207	0.0238	0.0634	0.153
Nickel (Dissolved)	Priority Substance	µg/L	2.4	2.38	2.98	3.07	2.24	2.01
Nonylphenol	Priority Substance	µg/L	0.644	0.263	<0.200	0.13	<0.625	<0.125
Octylphenol	Priority Substance	µg/L	0.134	<0.100	<0.200	<0.0500	<0.250	<0.0500
Pentachlorobenzene	Priority Substance	µg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Simazine	Priority Substance	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TBT	Priority Substance	µg/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2,3-Trichlorobenzene	Priority Substance	µg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,2,4-Trichlorobenzene		µg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,3,5-Trichlorobenzene		µg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	Priority Substance	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Zinc (Dissolved)	Specific Pollutant	µg/L	53.2	37	39.8	39.3	32.5	31.4
Total Oxidised Nitrogen	Physico-Chemical Parameter	µg/L	6490	10600	5570	5490	9390	6060

Screened in for long-term seawater monitoring programme  
(based on sewage effluent screening)

Screened in for long-term seawater monitoring programme  
but no NLS capability to measure in seawater

Screened in for long-term seawater monitoring programme  
but no EQS proposed against which to measure compliance

Screened out of long-term seawater monitoring programme

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Substance		Units	Site & Date Sample Taken								
			Central Bay	Port	La Collette	Central Bay	Port	La Collette	Central Bay	Port	La Collette
			21/05/2012	21/05/2012	21/05/2012	21/06/2012	21/06/2012	21/06/2012	13/07/2012	11/07/2012	11/07/2012
1,2 Dichloroethane	Priority Substance	µg/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
EE2	Proposed Priority Substance	µg/L	<0.00007	Not measured	Not measured	<0.0002	Not measured	Not measured	<0.00007	Not measured	Not measured
E2	Proposed Priority Substance	µg/L	<0.0002	Not measured	Not measured	<0.0005	Not measured	Not measured	0.000178	Not measured	Not measured
2,4 Dichlorophenol	Specific Pollutant	µg/L	<0.02	Not measured	Not measured	<0.02	Not measured	Not measured	<0.02	Not measured	Not measured
2,4 D	Specific Pollutant	µg/L	<0.005	Not measured	Not measured	<0.005	Not measured	Not measured	<0.005	Not measured	Not measured
Alconifen	Proposed Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Alachlor	Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Ammonia (unionized)	Specific Pollutant	µg/L	11	13	18	14	<10	<10	<10	<10	<10
Anthracene	Priority Substance	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic (Dissolved)	Specific Pollutant	µg/L	1.5	1.8	1.7	1.2	1.3	1.3	1.4	1.3	1.3
Atrazine	Priority Substance	µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
Benzene	Priority Substance	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Benzo (g,h,i) perylene	Priority Substance	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bifenox	Proposed Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
C10-13 Chloroalkanes	Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Cadmium (Dissolved)	Priority Substance	µg/L	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0573
Carbon tetrachloride	Priority Substance	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Chlorfenvinphos	Priority Substance	µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
Chlorpyrifos	Priority Substance	µg/L	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured
Chromium VI	Specific Pollutant	µg/L	<30	<30	<30	<30	<30	<30	<30	<30	<30
Copper (Dissolved)	Specific Pollutant	µg/L	0.26	0.88	1.77	0.32	0.578	0.422	0.429	0.903	8.68
Cybutryne	Proposed Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Cyclodiene pesticides	Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Cypermethrin	Specific Pollutant & Proposed Priority Substance	µg/L	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured
DEHP	Priority Substance	µg/L	<0.200	Not measured	Not measured	<0.2	Not measured	Not measured	<0.2	Not measured	Not measured
Diazinon	Specific Pollutant	µg/L	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured
Dichloromethane	Priority Substance	µg/L	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Dichlorvos	Proposed Priority Substance	µg/L	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured
Diclofenac	Proposed Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Dimethoate	Specific Pollutant	µg/L	<0.006	Not measured	Not measured	<0.006	Not measured	Not measured	<0.006	Not measured	Not measured
Diuron	Priority Substance	µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
Endosulfan A	Priority Substance	µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
Endosulfan B		µg/L	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured
α-Hexachlorocyclohexane	Priority Substance	µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
β-Hexachlorocyclohexane		µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
δ-Hexachlorocyclohexane		µg/L	<0.001	Not measured	Not measured	<0.001	Not measured	Not measured	<0.001	Not measured	Not measured
ε-Hexachlorocyclohexane		µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
γ-Hexachlorocyclohexane (lindane)		µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
Iron (Dissolved)	Specific Pollutant	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100
Isoproturon	Priority Substance	µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
Lead (Dissolved)	Priority Substance	µg/L	0.0428	0.218	0.538	0.0449	0.197	0.0938	0.0727	0.109	1.54
Linuron	Specific Pollutant	µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
Mecoprop	Specific Pollutant	µg/L	<0.005	Not measured	Not measured	<0.005	Not measured	Not measured	<0.005	Not measured	Not measured
Naphthalene	Priority Substance	µg/L	<0.01	<0.01	0.0187	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Dissolved)	Priority Substance	µg/L	<0.3	<0.3	0.407	<0.3	<0.3	<0.3	<0.3	0.309	4.35
Nonylphenol	Priority Substance	µg/L	<0.500	Not measured	Not measured	<0.625	Not measured	Not measured	0.25	Not measured	Not measured

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Octylphenol	Priority Substance	µg/L	<0.500	Not measured	Not measured	<0.250	Not measured	Not measured	<0.100	Not measured	Not measured
Pentachlorophenol	Priority Substance	µg/L	<0.02	Not measured	Not measured	<0.02	Not measured	Not measured	<0.02	Not measured	Not measured
cis-Permethrin	Specific Pollutant	µg/L	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured
trans-Permethrin		µg/L	<0.001	Not measured	Not measured	<0.001	Not measured	Not measured	<0.001	Not measured	Not measured
Quinoxifen	Proposed Priority Substance	µg/L	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured
Simazine	Priority Substance	µg/L	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured	<0.003	Not measured	Not measured
TBT	Priority Substance	µg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00086	<0.0005
Terbutryne	Proposed Priority Substance	µg/L	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured	<0.004	Not measured	Not measured
1,2,3-Trichlorobenzene	Priority Substance	µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
1,2,4-Trichlorobenzene		µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
1,3,5-Trichlorobenzene		µg/L	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured	<0.01	Not measured	Not measured
Trichloroethylene	Priority Substance	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Trifluralin	Priority Substance	µg/L	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured	<0.002	Not measured	Not measured
Zinc	Specific Pollutant	µg/L	0.748	2.79	9.64	0.687	1.69	1.67	5.2	5.15	53.2
Total Oxidised Nitrogen	Physico-chemical Parameter	µg/L	<200	<200	<200	<200	<200	<200	<200	<200	<200



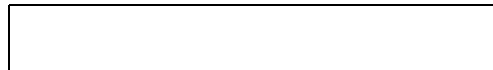
Screened in for long-term seawater monitoring programme  
(based on seawater screening)



No NLS capability to measure in seawater



Screened in for long-term seawater monitoring programme but no EQS  
proposed against which to measure compliance



Screened out of long-term seawater monitoring programme

Substance		Units	Site & Date Sample Taken									
			Site 1 Bay				Site 2 Port			Site 3 La Collette		
			25/06/2012				25/06/2012			25/06/2012		
Benzo (a) pyrene	Priority Substance	µg/kg	<2	<2	<2	<2	62.6	27.8	54.7	<2	<2	<2
Benzo (b and k) fluoranthene	Priority Substance	µg/kg	<10	<10	<10	<10	83.4	49.7	93.5	<10	<10	<10
Brominated diphenylethers	Priority Substance	µg/kg	<0.1	<0.1	<0.1	<0.1	Not measured	Not Measured	Not Measured	Not Measured	Not Measured	Not Measured
Fluoranthene	Priority Substance	µg/kg	2.96	<3	<2	<2	72.8	65.7	119	<2	<2	20.2
Heptachlor/Heptachlor epoxide	Proposed Priority Substance	µg/kg	<3	<3	<3	<3	0	0	0	<10	<10	<10
Hexachlorobenzene	Priority Substance	µg/kg	<2	<2	<2	<2	Not Measured	Not Measured	Not Measured	Not Measured	Not Measured	Not Measured
Hexachlorobutadiene	Priority Substance	µg/kg	<1	<1	<1	<1	Not Measured	Not Measured	Not Measured	Not Measured	Not Measured	Not Measured
Indeno (1,2,3-cd) pyrene	Priority Substance	µg/kg	<10	<10	<10	<10	32.5	18.4	33.8	<10	<10	<10
Mercury	Priority Substance	µg/kg	6	5	6	7	10	10	8	6	5	3



Screened in for biota monitoring programme  
(based on sediment screening)



Screened out of biota monitoring programme











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Category	Sub-category	Count	Percentage
Exempt	FOIA b (7) - (C)	1	100%
Not Exempt	None	0	0%
Total		1	100%

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Substance	Units (wet weight)	EQS	Organism	Port 16/10/2012	Port 15/1/2013	Port 16/4/2013	Central Bay 16/1/2013	Elizabeth Castle 17/6/2015	Central Bay 15/6/2015	St. Aubin's Beach* 2/9/2015	Mean	WFD Status
Benzo(a) pyrene	µg kg <sup>-1</sup>	5	Slipper limpet ( <i>Crepidula fornicata</i> )	<0.5	<0.5	<0.5	Not measured	Not measured	<0.5	47.4	9.68	Less Than Good
Benzo(b) fluoranthene	µg kg <sup>-1</sup>	NA		<0.7	<0.7	0.75	Not measured	Not measured	<0.5	33.9	NA	
Benzo(k) fluoranthene	µg kg <sup>-1</sup>	NA		<0.6	<0.6	<0.6	Not measured	Not measured	<0.5	22.3	NA	
Indeno(1,2,3-cd) pyrene	µg kg <sup>-1</sup>	NA		<0.5	<0.5	<0.5	Not measured	Not measured	<0.5	21.5	NA	Good
Fluoranthene	µg kg <sup>-1</sup>	30		1.22	2.16	0.98	0.88	Not measured	<0.5	103	17.9	
Mercury	µg kg <sup>-1</sup>	20		0.29	9.5	15.9	17.6	12.5	14.7	11.4	11.7	

Priority Substances
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\*Collected by hand from beach (all other samples collected by diving)