

Continuous Ongoing Compliance Sampling Data for

Carnival Spirit

Date	Tested Parameters (red = exceedance)									Port	Comments
	BOD	TSS	pH	Cl (Total)	Fecal Coliform	Ammonia	Dissolved Metals				
	(mg/L)	(mg/L)	-	(mg/L)	Col. or MPN/100mL	(mg/L)	Copper (mg/L)	Nickel (mg/L)	Zinc (mg/L)		
Permit 7-day	< 45	< 45	6.5 to 8.5	< 0.1	< 43	< 80.4	< 0.066	< 0.180	< 0.230		ADEC next year: NH3-2.9 Cu-0.0031 Ni-0.0031 Zn-0.0081
Permit 30-day	< 30	< 30			< 14						
1-May-08	6.60	< 1.00	8.7	< 0.01	< 1.00	0.60	< 0.005	< 0.005	< 0.020	-	
2-May-08	19.60	< 1.00	6.7	< 0.01	< 2.00	0.60	< 0.005	< 0.005	< 0.020	-	Sailing in Hawaii
3-May-08	9.00	< 1.00	6.8	< 0.01	< 2.00	1.20	< 0.005	< 0.005	< 0.020	-	(initial testing)
5-May-08	5.90	< 1.00	7.3	< 0.02	< 1.00	< 0.50	< 0.010	< 0.010	< 0.020	-	
14-May-08	21	< 2	6.7	< 0.01	< 1	0.26	0.002	< 0.001	< 0.005	YVR	
21-May-08	12	< 3	6.9	< 0.1	< 1	0.32	0.002	< 0.001	0.013	YVR	
4-Jun-08	20	< 3	7.5	< 0.1	3	0.18	< 0.001	< 0.001	0.010	YVR	
16-Jun-08	-	-	-	-	-	-	0.004	< 0.001	< 0.005	KTN	Bunker Water
	-	-	-	-	-	-	0.004	< 0.001	< 0.005	KTN	
18-Jun-08	< 10	< 1	7.0	< 0.1	< 1	0.33	< 0.001	< 0.001	< 0.005	YVR	full ADEC parameters
28-Jun-08	< 3	4	6.9	< 0.1	< 90	< 0.40	< 0.0003	< 0.001	< 0.006	JNU	
2-Jul-08	< 10	< 3	7.3	< 0.1	< 1	0.46	0.002	< 0.001	< 0.005	YVR	
12-Jul-08	4.88	< 4	7.1	< 0.1	< 1	< 0.4	0.002	0.000	0.009	JNU	
19-Jul-08	4.9	< 4	7.2	< 0.1	< 1	< 0.4	< 0.001	< 0.002	< 0.004	JNU	
26-Jul-08	3.79	< 4	9.2	< 0.1	< 1.4	< 0.4	< 0.001	< 0.002	0.009	JNU	
2-Aug-08	4.68	< 4	6.6	< 0.1	4.9	0.42	< 0.001	< 0.0002	< 0.007	JNU	
16-Aug-08	6.71	< 4	7.2	< 0.1	< 1.4	0.48	< 0.001	< 0.0002	0.005	JNU	

Reported to Carnival Cruises Lines
1681-02

19-Sep-08	10.3	< 4	7.5	< 0.1	< 1.4	< 0.4	0.001	< 0.002	0.010	JNU
12-Nov-08	21.9	2	6.8	0.07	< 2	0.79	0.047	< 0.004	0.014	SAN
20-Nov-08	20.8	< 20	6.9	0.11	< 2	0.58	< 0.050	< 0.050	< 0.050	SAN
31-Dec-08	7.3	ND	7.2	ND	ND	0.56	ND	ND	ND	SAN
16-Feb-09	18.3	ND	6.6	0.05	ND	0.68	ND	ND	0.001	SAN
24-Feb-09	23.5	ND	7.0	0.07	ND	0.58	ND	ND	0.006	SAN
12-Mar-09	24.2	ND	7.5	0.05	ND	0.72	ND	ND	0.004	SAN
5-Apr-09	20.1	ND	6.71	0.06	ND	1.01	ND	ND	0.006	SAN
8-May-09	2.81	ND	7.7	ND	ND	ND	0.002	0.0003	0.011	JNU
30-May-09	4.47	<4	7.7	ND	ND		0.044	0.0002	0.012	JNU
20-Jun-09	5.65	ND	7.6	ND	ND	ND	0.0007	ND	0.010	JNU
27-Jun-09	4.37	ND	7.6	ND	ND	ND	0.0010	ND	0.012	JNU
11-Jul-09	3.63	ND	7.8	ND	ND	ND	ND	0.0005	0.032	JNU
25-Jul-09	4.67	ND	7.0	ND	ND	ND	0.0003	0.0002	0.006	JNU
8-Aug-09	2.81	< 4	7.6	< 0.1	< 1.4	< 0.4	0.0004	0.0014	0.004	JNU
15-Aug-09	2.93	ND	8.0	< 0.1	ND	ND	0.0043	ND	0.009	JNU
4-Sep-09	3.94	< 4	7.6	< 0.1	< 1	< 0.4	0.0005	0.0002	0.003	JNU
11-Sep-09	5.79	< 4	7.1	< 0.1	< 1	< 0.4	0.00025	0.0003	0.004	JNU
26-Oct-09	2.1	ND	6.8	0.4	ND	-	ND	ND	0.007	SAN