

US EPA ARCHIVE DOCUMENT



This document contains Appendix A from the 2004 Princess Cruise Lines Island Princess Data Report. Appendix A contains data on pathogens, sample numbers excepting pathogens, and field measurements collected onboard the Island Princess August 28 through September 02, 2004. The report and all the appendices for this sampling event can be downloaded from http://www.epa.gov/owow/oceans/cruise_ships/island.html

Island Princess
2004 Analytical Results
Appendix A

March 2006

Appendix A

ANALYTICAL RESULTS

Appendix A-1

**Pathogen Indicator Sample Numbers and Sample Collection Times
Island Princess**

Sampling Point (SP)	Approximate Sample Collection Time	Sample Numbers				
		8/28/04 - 8/29/04	8/29/04 - 8/30/04	8/30/04 - 8/31/04	8/31/04 - 9/01/04	9/01/04 - 9/02/04
		Day 1	Day 2	Day 3	Day 4	Day 5
Galley Wastewater (SP-1)	1030 2200	65591 65592	65595 65596	65599 65600	65603 65604	65607 65608
Laundry Wastewater (SP-2)	1030 2200	65611	65615 65616	65619 65620	65623 65624	65627 65628
Accommodations Wastewater (SP-3)	1030 2200	65631 65632	65635 65636	65639 65640	65643 65644	65647 65648
Influent to Wastewater Treatment System (SP-4)	1030 1630 2200	65651 65652 65653	65655 65656 65657	65659 65660 65661	65663 65664 65665	65667 65668 65669
Influent to UV Disinfection (SP-5)	1015 1630 2200	65671 65672 65673	65675 65676 65677	65679 65680 65681	65683 65684 65685	65687 65688 65689
Effluent from Wastewater Treatment System (SP-6)	1000 1600 2200	65691 65692 65693	65695 65696 65697	65699 65700 65701	65703 65704 65705	65707 65708 65709
Effluent from Wastewater Treatment System (Duplicate) (SP-7)	1000	65766	65715	65765	65762	
Galley Overboard Discharge (SP-8)	1800 (8/26/04) ¹	65731				

**Appendix A-1
(continued)
Pathogen Indicator Sample Numbers and Sample Collection Times
Island Princess**

Sampling Point (SP)	Approximate Sample Collection Time	Sample Numbers				
		8/28/04 - 8/29/04	8/29/04 - 8/30/04	8/30/04 - 8/31/04	8/31/04 - 9/01/04	9/01/04 - 9/02/04
		Day 1	Day 2	Day 3	Day 4	Day 5
Laundry Overboard Discharge (SP-9)	1800 (8/26/04) ¹	65733				
Food Pulper Overboard Discharge (SP-10)	1800 (8/26/04) ¹	65737				
Source Water (SP-14)	1100		65753			

¹ Samples collected prior to the start of 5-day sampling period in order to characterize overboard discharge of untreated wastewater.

**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-1, Galley Wastewater Characterization Day 1	Grab 1 65591	Grab 2 65592	Unit
Microbiologicals			
E. coli	32,600	98,000	MPN/100 mL
Enterococci	51,700	12,000	MPN/100 mL
Fecal Coliform	7,800,000	4,900,000	CFU/100 mL
SP-1, Galley Wastewater Characterization Day 2	Grab 1 65595	Grab 2 65596	Unit
Microbiologicals			
E. coli	56,900	4,350,000	MPN/100 mL
Enterococci	> 2,420	300	MPN/100 mL
Fecal Coliform	98,000,000	14,000,000	CFU/100 mL
SP-1, Galley Wastewater Characterization Day 3	Grab 1 65599	Grab 2 65600	Unit
Microbiologicals			
E. coli	630	3,450,000	MPN/100 mL
Enterococci	27,600	598	MPN/100 mL
Fecal Coliform	30,000	910,000,000	CFU/100 mL
SP-1, Galley Wastewater Characterization Day 4	Grab 1 65603	Grab 2 65604	Unit
Microbiologicals			
E. coli	167,000	253,000	MPN/100 mL
Enterococci	95.0	43,500	MPN/100 mL
Fecal Coliform	120,000	980,000	CFU/100 mL
SP-1, Galley Wastewater Characterization Day 5	Grab 1 65607	Grab 2 65608	Unit
Microbiologicals			
E. coli	1,480	130,000	MPN/100 mL
Enterococci	172	328	MPN/100 mL
Fecal Coliform	1,000,000	180,000	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-2, Laundry Wastewater Characterization Day 1	Grab 1 65611		Unit
Microbiologicals			
E. coli	ND(1.00)		MPN/100 mL
Enterococci	1.00		MPN/100 mL
Fecal Coliform	ND(2.00)		CFU/100 mL
SP-2, Laundry Wastewater Characterization Day 2	Grab 1 65615	Grab 2 65616	Unit
Microbiologicals			
E. coli	ND(10.0)	ND(1.00)	MPN/100 mL
Enterococci	ND(10.0)	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(10.0)	270	CFU/100 mL
SP-2, Laundry Wastewater Characterization Day 3	Grab 1 65619	Grab 2 65620	Unit
Microbiologicals			
E. coli	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	MPN/100 mL
Fecal Coliform	110	ND(5.00)	CFU/100 mL
SP-2, Laundry Wastewater Characterization Day 4	Grab 1 65623	Grab 2 65624	Unit
Microbiologicals			
E. coli	2.00	ND(1.00)	MPN/100 mL
Enterococci	> 2,420	ND(1.00)	MPN/100 mL
Fecal Coliform	550	ND(2.00)	CFU/100 mL
SP-2, Laundry Wastewater Characterization Day 5	Grab 1 65627	Grab 2 65628	Unit
Microbiologicals			
E. coli	206	ND(1.00)	MPN/100 mL
Enterococci	> 2,420	ND(1.00)	MPN/100 mL
Fecal Coliform	8,700	ND(2.00)	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-3, Accommodations Wastewater Characterization	Grab 1	Grab 2	Unit
Day 1	65631	65632	
Microbiologicals			
E. coli	ND(100)	200	MPN/100 mL
Enterococci	1.00	> 2,420	MPN/100 mL
Fecal Coliform	170,000	210,000	CFU/100 mL
SP-3, Accommodations Wastewater Characterization	Grab 1	Grab 2	Unit
Day 2	65635	65636	
Microbiologicals			
E. coli	167,000	ND(1.00)	MPN/100 mL
Enterococci	> 2,420	857	MPN/100 mL
Fecal Coliform	570,000	140,000	CFU/100 mL
SP-3, Accommodations Wastewater Characterization	Grab 1	Grab 2	Unit
Day 3	65639	65640	
Microbiologicals			
E. coli	41.1	ND(1,000)	MPN/100 mL
Enterococci	> 2,420	391	MPN/100 mL
Fecal Coliform	470,000	100,000	CFU/100 mL
SP-3, Accommodations Wastewater Characterization	Grab 1	Grab 2	Unit
Day 4	65643	65644	
Microbiologicals			
E. coli	ND(1,000)	2,830	MPN/100 mL
Enterococci	4.00	41.0	MPN/100 mL
Fecal Coliform	ND(10,000)	76,000	CFU/100 mL
SP-3, Accommodations Wastewater Characterization	Grab 1	Grab 2	Unit
Day 5	65647	65648	
Microbiologicals			
E. coli	12.6	2.00	MPN/100 mL
Enterococci	ND(100)	1,010	MPN/100 mL
Fecal Coliform	5,100	1,500	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-4, Influent to Wastewater Treatment System Day 1	Grab 1 65651	Grab 2 65652	Grab 3 65653	Unit
Microbiologicals				
E. coli	> 24,200,000	> 24,200,000	8,660,000	MPN/100 mL
Enterococci	> 24,200,000	2,910,000	4,110,000	MPN/100 mL
Fecal Coliform	51,000,000	14,000,000	5,100,000	CFU/100 mL
SP-4, Influent to Wastewater Treatment System Day 2	Grab 1 65655	Grab 2 65656	Grab 3 65657	Unit
Microbiologicals				
E. coli	3,080,000	68,700,000	41,000	MPN/100 mL
Enterococci	579,000	32,600,000	52,000	MPN/100 mL
Fecal Coliform	8,900,000	1.50E+09	1,100,000	CFU/100 mL
SP-4, Influent to Wastewater Treatment System Day 3	Grab 1 65659	Grab 2 65660	Grab 3 65661	Unit
Microbiologicals				
E. coli	231,000	23,800,000	43,500,000	MPN/100 mL
Enterococci	75,000	1,670,000	19,900,000	MPN/100 mL
Fecal Coliform	2,600,000	51,000,000	970,000,000	CFU/100 mL
SP-4, Influent to Wastewater Treatment System Day 4	Grab 1 65663	Grab 2 65664	Grab 3 65665	Unit
Microbiologicals				
E. coli	> 242,000,000	12,000,000	8,660,000	MPN/100 mL
Enterococci	98,000,000	7,700,000	3,870,000	MPN/100 mL
Fecal Coliform	150,000,000	7,900,000	27,000,000	CFU/100 mL
SP-4, Influent to Wastewater Treatment System Day 5	Grab 1 65667	Grab 2 65668	Grab 3 65669	Unit
Microbiologicals				
E. coli	8,160,000	77,000,000	4,350,000	MPN/100 mL
Enterococci	41,100,000	6,870,000	8,160,000	MPN/100 mL
Fecal Coliform	15,000,000	45,000,000	4,100,000	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-5, Influent to UV Disinfection Day 1	Grab 1 65671	Grab 2 65672	Grab 3 65673	Unit
Microbiologicals				
E. coli	ND(1.00)	1.00	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	1.00	1.00	MPN/100 mL
Fecal Coliform	ND(10.0)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-5, Influent to UV Disinfection Day 2	Grab 1 65675	Grab 2 65676	Grab 3 65677	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	1.00	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-5, Influent to UV Disinfection Day 3	Grab 1 65679	Grab 2 65680	Grab 3 65681	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-5, Influent to UV Disinfection Day 4	Grab 1 65683	Grab 2 65684	Grab 3 65685	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-5, Influent to UV Disinfection Day 5	Grab 1 65687	Grab 2 65688	Grab 3 65689	Unit
Microbiologicals				
E. coli	1.00	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	4.10	24.9	ND(1.00)	MPN/100 mL
Fecal Coliform	2.00	ND(2.00)	ND(2.00)	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-6, Effluent from Wastewater Treatment Day 1	Grab 1 65691	Grab 2 65692	Grab 3 65693	Unit
Microbiologicals				
E. coli	ND(1.00)	3.10	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	1.00	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	20.0	ND(2.00)	CFU/100 mL
SP-6, Effluent from Wastewater Treatment Day 2	Grab 1 65695	Grab 2 65696	Grab 3 65697	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-6, Effluent from Wastewater Treatment Day 3	Grab 1 65699	Grab 2 65700	Grab 3 65701	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-6, Effluent from Wastewater Treatment Day 4	Grab 1 65703	Grab 2 65704	Grab 3 65705	Unit
Microbiologicals				
E. coli	ND(1.00)	1.00	1.00	MPN/100 mL
Enterococci	ND(1.00)	ND(1.00)	3.10	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL
SP-6, Effluent from Wastewater Treatment Day 5	Grab 1 65707	Grab 2 65708	Grab 3 65709	Unit
Microbiologicals				
E. coli	ND(1.00)	ND(1.00)	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	2.00	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	ND(2.00)	ND(2.00)	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-7, Duplicate of Effluent from Wastewater Treatment System	Grab 1	Unit
Day 1	65766	
Microbiologicals		
E. coli	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	CFU/100 mL
SP-7, Duplicate of Effluent from Wastewater Treatment System	Grab 1	Unit
Day 2	65715	
Microbiologicals		
E. coli	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	CFU/100 mL
SP-7, Duplicate of Effluent from Wastewater Treatment System	Grab 1	Unit
Day 3	65765	
Microbiologicals		
E. coli	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	CFU/100 mL
SP-7, Duplicate of Effluent from Wastewater Treatment System	Grab 1	Unit
Day 4	65762	
Microbiologicals		
E. coli	1.00	MPN/100 mL
Enterococci	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(2.00)	CFU/100 mL
SP-8, Galley Wastewater Overboard Discharge	Grab 1	Unit
Day 1	65731	
Microbiologicals		
E. coli	EXCLUDE	MPN/100 mL
Enterococci	EXCLUDE	MPN/100 mL
Fecal Coliform	EXCLUDE	CFU/100 mL

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**Appendix A-1
(continued)
Microbiologicals Analytical Results
Island Princess**

SP-9, Laundry Wastewater Overboard Day 1	Grab 1 65733	Unit
Microbiologicals		
E. coli	EXCLUDE	MPN/100 mL
Enterococci	EXCLUDE	MPN/100 mL
Fecal Coliform	EXCLUDE	CFU/100 mL
SP-10, Food Pulper Wastewater Overboard Discharge Day 1	Grab 1 65737	Unit
Microbiologicals		
E. coli	EXCLUDE	MPN/100 mL
Enterococci	EXCLUDE	MPN/100 mL
Fecal Coliform	EXCLUDE	CFU/100 mL
SP-14, Source Water Day 2	Grab 1 65753	Unit
Microbiologicals		
E. coli	ND(1.00)	MPN/100 mL
Enterococci	ND(1.00)	MPN/100 mL
Fecal Coliform	ND(1.00)	CFU/100 mL

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Appendix A-2

Sample Numbers, Except for Pathogen Indicators
Island Princess

Sampling Point (SP)	Sample Numbers				
	8/28/04 - 8/29/04	8/29/04 - 8/30/04	8/30/04 - 8/31/04	8/31/04 - 9/01/04	9/01/04 - 9/02/04
	Day 1	Day 2	Day 3	Day 4	Day 5
Galley Wastewater (SP-1)	65591	65595	65599	65603	65607
Laundry Wastewater (SP-2)	65611	65615	65619	65623	65627
Accommodations Wastewater (SP-3)	65631	65635	65639	65643	65647
Influent to Wastewater Treatment System (SP-4)	65651	65655	65659	65663	65667
Effluent from Wastewater Treatment System (SP-6)	65691	65695	65699	65703	65707
Effluent from Wastewater Treatment System (Duplicate) (SP-7)	65711	65715	65719	65723	65727
Galley Overboard Discharge (SP-8)	65731 ¹				
Laundry Overboard Discharge (SP-9)	65733 ¹				
Food Pulper Overboard Discharge (SP-10)	65737 ¹				65760 ²
Screening Solids (SP-11)			65741		
Waste Biosludge (Desludge) (SP-12)	65745 ¹				

**Appendix A-2
(continued)
Sample Numbers, Except for Pathogen Indicators
Island Princess**

Sampling Point (SP)	Sample Numbers				
	8/28/04 - 8/29/04	8/29/04 - 8/30/04	8/30/04 - 8/31/04	8/31/04 - 9/01/04	9/01/04 - 9/02/04
	Day 1	Day 2	Day 3	Day 4	Day 5
Incinerator Ash (SP-13)			65749		
Source Water (SP-14)		65753			
Trip Blank (SP-15)					65757
Equipment Blank (SP-16)	65761				

¹ Samples collected prior to the start of 5-day sampling period in order to characterize overboard discharge of untreated wastewater.

² Sample 65760 analyzed for semivolatiles only.

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Classical Pollutants						
Alkalinity	156	72.0	124	ND(10.0)	171	mg/L
Ammonia As Nitrogen (NH ₃ -N)	1.09	0.840	49.0	3.48	1.14	mg/L
P121 Available Cyanide	ND(2.00)	ND(2.00)	ND(2.00)	2.23	2.84	ug/L
Biochemical Oxygen Demand (BOD)	919	803	1,050	4,860	EXCLUDE	mg/L
Chemical Oxygen Demand (COD)	1,830	1,890	1,140	5,760	2,550	mg/L
Chloride	178	110	1,460	190	90.0	mg/L
Hardness	42.0	38.1	503	87.3	54.0	mg/L
Hexane Extractable Material (HEM)	212	238	236	270	440	mg/L
Nitrate/Nitrite (NO ₂ + NO ₃ -N)	0.100	0.100	ND(0.0500)	ND(0.0500)	0.120	mg/L
Settleable residue	4.00	1.60	0.200	61.0	EXCLUDE	mL/L
Silica Gel Treated HEM (SGT-HEM)	ND(4.90)	ND(4.80)	ND(5.00)	ND(5.10)	ND(5.00)	mg/L
Sulfate	73.0	57.0	216	20.0	111	mg/L
P121 Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	mg/L
Total Dissolved Solids (TDS)	1,290	788	3,420	2,010	1,090	mg/L
Total Kjeldahl Nitrogen (TKN)	37.1	29.8	90.6	126	28.2	mg/L
Total Organic Carbon (TOC)	392	275	297	1,200	333	mg/L
Total Phosphorus	4.10	15.2	13.3	36.4	50.0	mg/L
Total Suspended Solids (TSS)	262	266	248	3,720	400	mg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Total and Dissolved Metals						
Aluminum	806	3,300	263	811	1,000	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium	56.0	34.0	12.0	23.0	48.2	ug/L
P117 Beryllium	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L
Boron	ND(3.37)	ND(3.37)	434	207	139	ug/L
P118 Cadmium	ND(0.446)	ND(0.446)	1.00	0.580	ND(0.446)	ug/L
Calcium	12,300	11,800	46,000	23,500	16,800	ug/L
P119 Chromium	11.0	7.00	ND(1.68)	7.20	9.50	ug/L
Cobalt	ND(0.914)	ND(0.914)	1.00	ND(0.914)	ND(0.914)	ug/L
P120 Copper	452	852	152	807	836	ug/L
Iron	813	842	367	918	574	ug/L
P122 Lead	8.00	6.00	ND(3.08)	9.50	7.90	ug/L
Magnesium	2,740	2,100	94,200	6,960	2,930	ug/L
Manganese	32.0	31.0	40.0	81.0	21.9	ug/L
P123 Mercury	ND(0.0170)	ND(0.0170)	ND(0.0170)	0.210	0.150	ug/L
Molybdenum	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel	28.0	28.0	22.0	34.2	22.9	ug/L
P125 Selenium	1.00	1.00	70.0	2.90	1.30	ug/L
P126 Silver	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium	256,000	126,000	788,000	181,000	192,000	ug/L
P127 Thallium	ND(0.00900)	ND(0.00900)	ND(0.00900)	0.0200	0.0100	ug/L
Tin	13.0	8.00	5.00	31.6	70.9	ug/L
Titanium	6.00	4.00	ND(0.253)	2.00	5.00	ug/L
Vanadium	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc	1,030	644	587	2,160	1,010	ug/L
Aluminum, Dissolved	723	910	159	600	523	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium, Dissolved	22.2	7.70	10.6	13.8	24.2	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L

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NC - Not collected.

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Total and Dissolved Metals						
Boron, Dissolved	ND(3.37)	ND(3.37)	417	ND(3.37)	ND(3.37)	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium, Dissolved	10,700	9,170	44,000	20,800	13,600	ug/L
P119 Chromium, Dissolved	4.90	2.10	ND(1.68)	2.50	5.50	ug/L
Cobalt, Dissolved	2.90	6.40	3.50	6.40	5.00	ug/L
P120 Copper, Dissolved	400	726	99.8	467	700	ug/L
Iron, Dissolved	535	281	270	286	429	ug/L
P122 Lead, Dissolved	6.70	3.20	ND(3.08)	ND(3.08)	8.70	ug/L
Magnesium, Dissolved	2,670	1,850	90,600	6,100	2,920	ug/L
Manganese, Dissolved	22.7	20.2	8.30	9.80	23.9	ug/L
P123 Mercury, Dissolved	0.0300	0.0300	0.0400	0.120	0.0900	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel, Dissolved	26.4	22.5	21.5	30.0	21.2	ug/L
P125 Selenium, Dissolved	1.00	1.00	70.0	2.90	1.50	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium, Dissolved	248,000	123,000	746,000	171,000	184,000	ug/L
P127 Thallium, Dissolved	0.0100	ND(0.00900)	0.0100	0.0100	ND(0.00900)	ug/L
Tin, Dissolved	9.00	4.80	ND(3.45)	7.20	50.7	ug/L
Titanium, Dissolved	5.20	ND(0.253)	ND(0.253)	ND(10.0)	ND(10.0)	ug/L
Vanadium, Dissolved	1.40	2.90	1.80	ND(0.679)	ND(0.679)	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc, Dissolved	864	617	496	1,880	923	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P021 2,4,6-Trichlorophenol	ND(14.5)	ND(11.0)	ND(13.0)	ND(10.0)	ND(10.0)	ug/L
P031 2,4-Dichlorophenol	ND(14.5)	ND(11.0)	ND(13.0)	ND(10.0)	ND(10.0)	ug/L
P034 2,4-Dimethylphenol	ND(14.5)	ND(10.0)	ND(13.0)	ND(10.0)	ND(10.0)	ug/L
P059 2,4-Dinitrophenol	ND(72.5)	ND(56.0)	ND(64.9)	ND(50.0)	ND(50.0)	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P024 2-Chlorophenol	ND(14.5)	ND(11.0)	ND(13.0)	ND(10.0)	ND(10.0)	ug/L
P057 2-Nitrophenol	ND(29.0)	ND(22.0)	ND(26.0)	ND(20.0)	ND(20.0)	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
4,6-Dinitro-2-methylphenol	ND(29.0)	ND(22.0)	ND(26.0)	ND(20.0)	ND(20.0)	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P022 4-Chloro-3-methylphenol	ND(14.5)	ND(11.0)	ND(13.0)	ND(10.0)	ND(10.0)	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P058 4-Nitrophenol	ND(72.5)	ND(56.0)	ND(64.9)	ND(50.0)	ND(50.0)	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	271	201	ND(10.0)	170	350	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P023 Chloroform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	13.7	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(72.5)	ND(56.0)	ND(64.9)	ND(50.0)	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P065 Phenol	90.9	125	89.7	96.9	85.1	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P085 Tetrachloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Pesticides						
1,2-Dibromo-3-chloropropane	NC	NC	ND(0.200)	NC	NC	ug/L
4,4'-DDD	NC	NC	ND(0.200)	NC	NC	ug/L
4,4'-DDE	NC	NC	ND(0.100)	NC	NC	ug/L
4,4'-DDT	NC	NC	ND(0.100)	NC	NC	ug/L
Acephate	NC	NC	ND(20.0)	NC	NC	ug/L
Alachlor	NC	NC	ND(0.200)	NC	NC	ug/L
Aldrin	NC	NC	ND(0.200)	NC	NC	ug/L
alpha-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L
alpha-Chlordane	NC	NC	ND(0.100)	NC	NC	ug/L
Atrazine	NC	NC	ND(10.0)	NC	NC	ug/L
Azinphos Ethyl	NC	NC	ND(2.00)	NC	NC	ug/L
Azinphos Methyl	NC	NC	ND(1.00)	NC	NC	ug/L
Benfluralin	NC	NC	ND(0.200)	NC	NC	ug/L
beta-BHC	NC	NC	ND(0.100)	NC	NC	ug/L
Bromacil	NC	NC	ND(1.00)	NC	NC	ug/L
Bromoxynil Octanoate	NC	NC	ND(0.500)	NC	NC	ug/L
Butachlor	NC	NC	ND(0.500)	NC	NC	ug/L
Captafol	NC	NC	ND(2.00)	NC	NC	ug/L
Captan	NC	NC	ND(1.00)	NC	NC	ug/L
Carbophenothion	NC	NC	ND(1.00)	NC	NC	ug/L
Chlorfenvinphos	NC	NC	ND(2.00)	NC	NC	ug/L
Chlorobenzilate	NC	NC	ND(1.00)	NC	NC	ug/L
Chloroneb	NC	NC	ND(1.00)	NC	NC	ug/L
Chloropropylate	NC	NC	ND(1.00)	NC	NC	ug/L
Chlorothalonil	NC	NC	ND(0.200)	NC	NC	ug/L
Chlorpyrifos	NC	NC	ND(2.00)	NC	NC	ug/L
cis-Permethrin	NC	NC	ND(2.00)	NC	NC	ug/L
Coumaphos	NC	NC	ND(5.00)	NC	NC	ug/L
Crotoxyphos	NC	NC	ND(5.00)	NC	NC	ug/L
Dacthal (DCPS)	NC	NC	ND(0.0500)	NC	NC	ug/L
DEF	NC	NC	ND(2.00)	NC	NC	ug/L
delta-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Pesticides						
Demeton A	NC	NC	ND(4.00)	NC	NC	ug/L
Demeton B	NC	NC	ND(4.00)	NC	NC	ug/L
Diallate A	NC	NC	ND(2.00)	NC	NC	ug/L
Diallate B	NC	NC	ND(2.00)	NC	NC	ug/L
Diazinon	NC	NC	ND(2.00)	NC	NC	ug/L
Dichlofenthion	NC	NC	ND(2.00)	NC	NC	ug/L
Dichlone	NC	NC	ND(0.200)	NC	NC	ug/L
Dichlorvos	NC	NC	ND(5.00)	NC	NC	ug/L
Dicofol	NC	NC	ND(1.00)	NC	NC	ug/L
Dicrotophos	NC	NC	ND(2.00)	NC	NC	ug/L
Dieldrin	NC	NC	ND(0.100)	NC	NC	ug/L
Dimethoate	NC	NC	ND(2.00)	NC	NC	ug/L
Dioxathion	NC	NC	ND(5.00)	NC	NC	ug/L
Disulfoton	NC	NC	ND(2.00)	NC	NC	ug/L
Endosulfan I	NC	NC	ND(0.100)	NC	NC	ug/L
Endosulfan II	NC	NC	ND(1.00)	NC	NC	ug/L
Endosulfan Sulfate	NC	NC	ND(0.100)	NC	NC	ug/L
Endrin	NC	NC	ND(0.200)	NC	NC	ug/L
Endrin Aldehyde	NC	NC	ND(0.100)	NC	NC	ug/L
Endrin Ketone	NC	NC	ND(0.100)	NC	NC	ug/L
EPN	NC	NC	ND(2.00)	NC	NC	ug/L
Ethalfuralin	NC	NC	ND(0.100)	NC	NC	ug/L
Ethion	NC	NC	ND(2.00)	NC	NC	ug/L
Ethoprop	NC	NC	ND(2.00)	NC	NC	ug/L
Etridiazole	NC	NC	ND(0.200)	NC	NC	ug/L
Famphur	NC	NC	ND(5.00)	NC	NC	ug/L
Fenarimol	NC	NC	ND(0.200)	NC	NC	ug/L
Fensulfothion	NC	NC	ND(5.00)	NC	NC	ug/L
Fenthion	NC	NC	ND(2.00)	NC	NC	ug/L
gamma-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L
gamma-Chlordane	NC	NC	ND(0.0500)	NC	NC	ug/L
Heptachlor	NC	NC	ND(0.100)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Pesticides						
Heptachlor Epoxide	NC	NC	ND(0.0500)	NC	NC	ug/L
Hexamethylphosphoramide	NC	NC	ND(2.00)	NC	NC	ug/L
Isodrin	NC	NC	ND(0.100)	NC	NC	ug/L
Isopropalin	NC	NC	ND(0.200)	NC	NC	ug/L
Kepone	NC	NC	ND(1.00)	NC	NC	ug/L
Leptophos	NC	NC	ND(2.00)	NC	NC	ug/L
Malathion	NC	NC	ND(2.00)	NC	NC	ug/L
Merphos A	NC	NC	ND(2.00)	NC	NC	ug/L
Merphos B	NC	NC	ND(2.00)	NC	NC	ug/L
Methamidophos	NC	NC	ND(20.0)	NC	NC	ug/L
Methoxychlor	NC	NC	ND(0.200)	NC	NC	ug/L
Methyl Parathion	NC	NC	ND(2.00)	NC	NC	ug/L
Methyl Trithion	NC	NC	ND(5.00)	NC	NC	ug/L
Metribuzin	NC	NC	ND(0.100)	NC	NC	ug/L
Mevinphos	NC	NC	ND(5.00)	NC	NC	ug/L
Mirex	NC	NC	ND(0.200)	NC	NC	ug/L
Monocrotophos	NC	NC	ND(20.0)	NC	NC	ug/L
Naled	NC	NC	ND(2.00)	NC	NC	ug/L
Nitrofen	NC	NC	ND(0.200)	NC	NC	ug/L
Norflurazon	NC	NC	ND(1.00)	NC	NC	ug/L
Parathion (ethyl)	NC	NC	ND(2.00)	NC	NC	ug/L
PCB 1016	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1221	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1232	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1242	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1248	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1254	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1260	NC	NC	ND(1.00)	NC	NC	ug/L
Pendamethalin	NC	NC	ND(0.500)	NC	NC	ug/L
Pentachloronitrobenzene (PCNB)	NC	NC	ND(0.0500)	NC	NC	ug/L
Perthane	NC	NC	ND(10.0)	NC	NC	ug/L
Phorate	NC	NC	ND(2.00)	NC	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-1, Galley Wastewater Characterization	Day 1 65591	Day 2 65595	Day 3 65599	Day 4 65603	Day 5 65607	Unit
Pesticides						
Phosmet	NC	NC	ND(5.00)	NC	NC	ug/L
Phosphamidon E	NC	NC	ND(1.00)	NC	NC	ug/L
Phosphamidon Z	NC	NC	ND(1.00)	NC	NC	ug/L
Propachlor	NC	NC	ND(0.100)	NC	NC	ug/L
Propanil	NC	NC	ND(1.00)	NC	NC	ug/L
Propazine	NC	NC	ND(1.00)	NC	NC	ug/L
Ronnel	NC	NC	ND(2.00)	NC	NC	ug/L
Simazine	NC	NC	ND(8.00)	NC	NC	ug/L
Strobane	NC	NC	ND(5.00)	NC	NC	ug/L
Sulfotep	NC	NC	ND(2.00)	NC	NC	ug/L
Sulprofos	NC	NC	ND(2.00)	NC	NC	ug/L
Tepp	NC	NC	ND(2.00)	NC	NC	ug/L
Terbacil	NC	NC	ND(2.00)	NC	NC	ug/L
Terbufos	NC	NC	ND(2.00)	NC	NC	ug/L
Terbuthylazine	NC	NC	ND(5.00)	NC	NC	ug/L
Tetrachlorvinphos	NC	NC	ND(2.00)	NC	NC	ug/L
Tokuthion	NC	NC	ND(2.00)	NC	NC	ug/L
Toxaphene	NC	NC	ND(5.00)	NC	NC	ug/L
trans-Permethrin	NC	NC	ND(2.00)	NC	NC	ug/L
Triadimefon	NC	NC	ND(1.00)	NC	NC	ug/L
Trichlorfon	NC	NC	ND(5.00)	NC	NC	ug/L
Trichloronate	NC	NC	ND(2.00)	NC	NC	ug/L
Tricresylphosphate	NC	NC	ND(20.0)	NC	NC	ug/L
Trifluralin	NC	NC	ND(0.100)	NC	NC	ug/L
Trimethylphosphate	NC	NC	ND(2.00)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 1	Day 2	Day 3	Day 4	Day 5	Unit
SP-2, Laundry Wastewater Characterization		65611	65615	65619	65623	65627	
Classical Pollutants							
	Alkalinity	51.0	78.0	57.0	62.0	63.0	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	5.30	0.320	0.200	0.400	0.250	mg/L
P121	Available Cyanide	NC	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ug/L
	Biochemical Oxygen Demand (BOD)	73.1	68.5	149	110	EXCLUDE	mg/L
	Chemical Oxygen Demand (COD)	300	442	366	444	350	mg/L
	Chloride	34.0	27.0	36.0	44.0	26.0	mg/L
	Hardness	23.3	20.4	21.0	21.8	39.3	mg/L
	Hexane Extractable Material (HEM)	NC	7.50	9.40	5.60	8.40	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	0.120	0.170	0.120	0.150	0.190	mg/L
	Settleable residue	ND(0.100)	0.300	5.60	0.900	EXCLUDE	mL/L
	Silica Gel Treated HEM (SGT-HEM)	NC	ND(4.40)	ND(5.00)	ND(4.90)	ND(5.20)	mg/L
	Sulfate	22.0	19.0	22.0	19.0	21.0	mg/L
P121	Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	218	248	298	304	211	mg/L
	Total Kjeldahl Nitrogen (TKN)	ND(20.0)	6.30	5.10	8.60	4.50	mg/L
	Total Organic Carbon (TOC)	54.4	98.6	76.0	98.0	66.6	mg/L
	Total Phosphorus	6.00	6.50	11.4	10.7	6.90	mg/L
	Total Suspended Solids (TSS)	56.0	66.0	80.0	63.0	46.0	mg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Total and Dissolved Metals						
Aluminum	167	155	187	209	111	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium	17.0	15.0	17.0	30.7	33.0	ug/L
P117 Beryllium	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L
Boron	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ug/L
P118 Cadmium	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium	7,900	7,390	7,630	8,000	13,600	ug/L
P119 Chromium	3.00	3.00	12.0	5.30	1.80	ug/L
Cobalt	ND(0.914)	ND(0.914)	1.00	ND(0.914)	ND(0.914)	ug/L
P120 Copper	261	304	298	484	277	ug/L
Iron	120	164	460	319	86.1	ug/L
P122 Lead	3.40	5.00	26.0	18.8	6.20	ug/L
Magnesium	861	470	474	453	1,290	ug/L
Manganese	3.00	3.00	7.00	4.70	2.10	ug/L
P123 Mercury	0.0300	0.0400	0.0300	0.150	0.170	ug/L
Molybdenum	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel	7.00	7.00	11.0	10.1	4.20	ug/L
P125 Selenium	4.00	ND(0.572)	ND(0.572)	0.610	ND(0.572)	ug/L
P126 Silver	3.00	3.00	7.00	6.20	ND(1.28)	ug/L
Sodium	43,000	51,800	50,600	59,200	37,100	ug/L
P127 Thallium	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium	ND(0.253)	4.00	7.00	6.10	7.50	ug/L
Vanadium	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc	481	328	685	510	348	ug/L
Aluminum, Dissolved	97.2	ND(9.93)	ND(9.93)	95.3	50.5	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium, Dissolved	12.2	5.80	3.70	6.50	24.5	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Total and Dissolved Metals						
Boron, Dissolved	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium, Dissolved	7,270	6,660	6,170	7,080	13,100	ug/L
P119 Chromium, Dissolved	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ug/L
Cobalt, Dissolved	3.00	2.70	2.90	2.50	2.30	ug/L
P120 Copper, Dissolved	193	202	212	392	213	ug/L
Iron, Dissolved	ND(19.8)	ND(19.8)	ND(19.8)	61.1	45.9	ug/L
P122 Lead, Dissolved	5.70	ND(3.08)	8.80	6.50	3.90	ug/L
Magnesium, Dissolved	816	433	408	421	1,270	ug/L
Manganese, Dissolved	5.10	4.90	6.30	6.00	4.70	ug/L
P123 Mercury, Dissolved	0.0200	0.0500	0.0500	0.110	0.160	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel, Dissolved	4.80	3.30	5.70	5.10	4.60	ug/L
P125 Selenium, Dissolved	0.860	0.600	ND(0.572)	0.660	0.800	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium, Dissolved	42,600	51,900	49,000	59,000	36,800	ug/L
P127 Thallium, Dissolved	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin, Dissolved	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium, Dissolved	ND(0.253)	ND(0.253)	ND(0.253)	ND(10.0)	ND(10.0)	ug/L
Vanadium, Dissolved	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc, Dissolved	324	204	535	355	277	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P021 2,4,6-Trichlorophenol	ND(10.0)	ND(10.0)	ND(12.0)	ND(10.0)	ND(10.0)	ug/L
P031 2,4-Dichlorophenol	ND(10.0)	ND(10.0)	ND(12.0)	ND(10.0)	ND(10.0)	ug/L
P034 2,4-Dimethylphenol	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P059 2,4-Dinitrophenol	ND(50.0)	ND(50.0)	ND(58.0)	ND(50.0)	ND(50.0)	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P024 2-Chlorophenol	ND(10.0)	ND(10.0)	ND(12.0)	ND(10.0)	ND(10.0)	ug/L
P057 2-Nitrophenol	ND(20.0)	ND(20.0)	ND(23.0)	ND(20.0)	ND(20.0)	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
4,6-Dinitro-2-methylphenol	ND(20.0)	ND(20.0)	ND(23.0)	ND(20.0)	ND(20.0)	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P022 4-Chloro-3-methylphenol	ND(10.0)	ND(10.0)	ND(12.0)	ND(10.0)	ND(10.0)	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P058 4-Nitrophenol	ND(50.0)	ND(50.0)	ND(58.0)	ND(50.0)	ND(50.0)	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	75.4	120	113	102	52.4	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P023 Chloroform	94.9	90.7	106	129	86.1	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(50.0)	ND(50.0)	ND(58.0)	ND(50.0)	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P065 Phenol	133	73.8	101	84.6	73.6	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P085 Tetrachloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-2, Laundry Wastewater Characterization	Day 1 65611	Day 2 65615	Day 3 65619	Day 4 65623	Day 5 65627	Unit
Dioxins and Furans						
1,2,3,4,6,7,8-HpCDD	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,4,6,7,8-HpCDF	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,4,7,8,9-HpCDF	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,4,7,8-HxCDD	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,4,7,8-HxCDF	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,6,7,8-HxCDD	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,6,7,8-HxCDF	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,7,8,9-HxCDD	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,7,8,9-HxCDF	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,7,8-PeCDD	ND(58.1)	NC	NC	NC	NC	pg/L
1,2,3,7,8-PeCDF	ND(58.1)	NC	NC	NC	NC	pg/L
2,3,4,6,7,8-HxCDF	ND(58.1)	NC	NC	NC	NC	pg/L
2,3,4,7,8-PeCDF	ND(58.1)	NC	NC	NC	NC	pg/L
2,3,7,8-TCDD	ND(11.6)	NC	NC	NC	NC	pg/L
2,3,7,8-TCDF	ND(11.6)	NC	NC	NC	NC	pg/L
Octachlorodibenzo-p-dioxin	ND(116)	NC	NC	NC	NC	pg/L
Octachlorodibenzofuran	ND(116)	NC	NC	NC	NC	pg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 1	Day 2	Day 3	Day 4	Day 5	Unit
SP-3, Accommodations Wastewater Characterization		65631	65635	65639	65643	65647	
Classical Pollutants							
	Alkalinity	73.0	126	96.0	63.0	91.0	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	0.680	0.330	0.400	0.340	0.400	mg/L
P121	Available Cyanide	3.13	ND(2.00)	ND(2.00)	2.28	ND(2.00)	ug/L
	Biochemical Oxygen Demand (BOD)	158	144	170	109	EXCLUDE	mg/L
	Chemical Oxygen Demand (COD)	331	408	332	1,050	340	mg/L
	Chloride	15.0	20.0	15.0	12.0	19.0	mg/L
	Hardness	24.7	22.6	20.4	20.7	36.9	mg/L
	Hexane Extractable Material (HEM)	17.3	21.2	10.1	16.2	15.8	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	0.0500	0.100	ND(0.0500)	ND(0.0500)	0.100	mg/L
	Settleable residue	1.30	0.500	ND(0.100)	0.230	EXCLUDE	mL/L
	Silica Gel Treated HEM (SGT-HEM)	ND(4.90)	ND(4.80)	ND(4.70)	ND(5.00)	ND(4.40)	mg/L
	Sulfate	18.0	30.0	13.0	11.0	13.0	mg/L
P121	Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	226	284	221	142	214	mg/L
	Total Kjeldahl Nitrogen (TKN)	4.20	9.80	6.40	5.90	7.80	mg/L
	Total Organic Carbon (TOC)	66.9	65.4	53.8	34.2	44.8	mg/L
	Total Phosphorus	1.31	0.700	0.580	0.360	0.880	mg/L
	Total Suspended Solids (TSS)	66.0	102	102	66.0	80.0	mg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-3, Accommodations Wastewater Characterization	Day 1 65631	Day 2 65635	Day 3 65639	Day 4 65643	Day 5 65647	Unit
Total and Dissolved Metals						
Aluminum	4,820	10,700	7,070	3,890	9,080	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium	17.0	17.0	14.0	10.8	33.9	ug/L
P117 Beryllium	0.190	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L
Boron	ND(3.37)	ND(3.37)	ND(3.37)	169	266	ug/L
P118 Cadmium	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium	8,290	7,690	7,120	7,490	12,800	ug/L
P119 Chromium	2.00	4.00	3.00	ND(1.68)	4.80	ug/L
Cobalt	ND(0.914)	1.00	ND(0.914)	ND(0.914)	ND(0.914)	ug/L
P120 Copper	413	713	387	640	745	ug/L
Iron	259	170	163	118	183	ug/L
P122 Lead	6.00	5.00	5.00	4.00	8.80	ug/L
Magnesium	966	819	646	495	1,190	ug/L
Manganese	11.0	7.00	5.00	3.50	6.10	ug/L
P123 Mercury	0.0400	0.0400	0.0700	0.160	0.170	ug/L
Molybdenum	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel	14.0	10.0	11.0	13.5	13.4	ug/L
P125 Selenium	1.00	ND(0.572)	ND(0.572)	0.580	0.640	ug/L
P126 Silver	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium	40,300	71,400	50,000	33,700	46,600	ug/L
P127 Thallium	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium	3.00	13.0	4.00	ND(0.253)	4.50	ug/L
Vanadium	1.00	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc	940	346	601	647	486	ug/L
Aluminum, Dissolved	350	287	265	190	221	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium, Dissolved	ND(0.0970)	0.560	0.860	ND(0.0970)	ND(0.0970)	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-3, Accommodations Wastewater Characterization	Day 1 65631	Day 2 65635	Day 3 65639	Day 4 65643	Day 5 65647	Unit
Total and Dissolved Metals						
Boron, Dissolved	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ND(3.37)	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium, Dissolved	5,200	2,200	2,820	4,620	6,610	ug/L
P119 Chromium, Dissolved	ND(1.68)	2.20	1.90	ND(1.68)	3.40	ug/L
Cobalt, Dissolved	ND(0.914)	ND(0.914)	ND(0.914)	2.80	1.80	ug/L
P120 Copper, Dissolved	317	617	321	468	588	ug/L
Iron, Dissolved	ND(19.8)	ND(19.8)	ND(19.8)	34.8	174	ug/L
P122 Lead, Dissolved	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	3.90	ug/L
Magnesium, Dissolved	818	572	514	419	1,030	ug/L
Manganese, Dissolved	11.1	5.00	5.60	6.00	7.10	ug/L
P123 Mercury, Dissolved	0.160	ND(0.0170)	0.0300	0.220	0.220	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel, Dissolved	13.5	10.1	10.6	12.2	17.3	ug/L
P125 Selenium, Dissolved	0.920	ND(0.572)	ND(0.572)	0.720	0.780	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium, Dissolved	38,700	66,400	48,500	33,300	44,100	ug/L
P127 Thallium, Dissolved	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin, Dissolved	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium, Dissolved	ND(0.253)	ND(0.253)	ND(0.253)	ND(10.0)	ND(10.0)	ug/L
Vanadium, Dissolved	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc, Dissolved	681	259	412	330	336	ug/L

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Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-3, Accommodations Wastewater Characterization	Day 1 65631	Day 2 65635	Day 3 65639	Day 4 65643	Day 5 65647	Unit
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P021 2,4,6-Trichlorophenol	ND(13.2)	ND(14.0)	ND(21.0)	ND(10.0)	ND(10.0)	ug/L
P031 2,4-Dichlorophenol	ND(13.2)	ND(14.0)	ND(21.0)	ND(10.0)	ND(10.0)	ug/L
P034 2,4-Dimethylphenol	ND(13.2)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P059 2,4-Dinitrophenol	ND(66.2)	ND(68.0)	ND(100)	ND(50.0)	ND(50.0)	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P024 2-Chlorophenol	ND(13.2)	ND(14.0)	ND(21.0)	ND(10.0)	ND(10.0)	ug/L
P057 2-Nitrophenol	ND(26.5)	ND(27.0)	ND(21.0)	ND(20.0)	ND(20.0)	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
4,6-Dinitro-2-methylphenol	ND(26.5)	ND(27.0)	ND(21.0)	ND(20.0)	ND(20.0)	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P022 4-Chloro-3-methylphenol	ND(13.2)	ND(14.0)	ND(21.0)	ND(10.0)	ND(10.0)	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P058 4-Nitrophenol	ND(66.2)	ND(68.0)	ND(21.0)	ND(50.0)	ND(50.0)	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-3, Accommodations Wastewater Characterization	Day 1 65631	Day 2 65635	Day 3 65639	Day 4 65643	Day 5 65647	Unit
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	19.6	16.7	33.0	15.1	26.8	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P023 Chloroform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-3, Accommodations Wastewater Characterization	Day 1 65631	Day 2 65635	Day 3 65639	Day 4 65643	Day 5 65647	Unit
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(66.2)	ND(68.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P065 Phenol	106	ND(14.0)	111	71.5	83.5	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P085 Tetrachloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 1	Day 2	Day 3	Day 4	Day 5	Unit
SP-4, Influent to Wastewater Treatment System		65651	65655	65659	65663	65667	
Classical Pollutants							
	Alkalinity	580	354	376	293	377	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	139	69.6	84.6	97.6	80.2	mg/L
P121	Available Cyanide	ND(2.00)	ND(2.00)	30.7	ND(2.00)	ND(2.00)	ug/L
	Biochemical Oxygen Demand (BOD)	338	224	409	329	EXCLUDE	mg/L
	Chemical Oxygen Demand (COD)	1,560	1,430	667	546	577	mg/L
	Chloride	1,530	852	1,180	602	527	mg/L
	Hardness	573	346	563	269	258	mg/L
	Hexane Extractable Material (HEM)	131	59.2	70.9	117	269	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	0.0600	0.100	ND(0.0500)	ND(0.0500)	ND(0.0500)	mg/L
	Settleable residue	1.10	2.60	93.0	65.0	EXCLUDE	mL/L
	Silica Gel Treated HEM (SGT-HEM)	72.0	17.0	42.7	55.7	124	mg/L
	Sulfate	204	127	138	93.0	107	mg/L
P121	Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	2,880	1,660	2,370	1,300	1,030	mg/L
	Total Kjeldahl Nitrogen (TKN)	354	120	194	110	125	mg/L
	Total Organic Carbon (TOC)	250	172	104	79.4	96.9	mg/L
	Total Phosphorus	71.6	18.2	18.2	16.8	16.6	mg/L
	Total Suspended Solids (TSS)	1,560	1,470	907	960	860	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Total and Dissolved Metals						
Aluminum	6,850	8,180	4,670	3,330	3,330	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium	76.0	74.0	44.0	29.0	42.7	ug/L
P117 Beryllium	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L
Boron	467	287	496	292	322	ug/L
P118 Cadmium	1.00	1.00	2.00	0.650	ND(0.446)	ug/L
Calcium	56,200	39,900	57,100	32,200	35,300	ug/L
P119 Chromium	10.0	14.0	12.0	8.70	7.30	ug/L
Cobalt	ND(0.914)	ND(0.914)	ND(0.914)	ND(0.914)	ND(0.914)	ug/L
P120 Copper	1,330	1,580	924	755	1,280	ug/L
Iron	1,450	1,670	1,060	694	945	ug/L
P122 Lead	21.0	21.0	26.0	14.2	14.8	ug/L
Magnesium	105,000	59,800	102,000	45,800	41,200	ug/L
Manganese	108	81.0	88.0	56.4	67.4	ug/L
P123 Mercury	1.00	0.360	0.290	0.280	0.280	ug/L
Molybdenum	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel	26.0	23.0	46.0	20.9	22.3	ug/L
P125 Selenium	50.0	33.0	44.0	26.0	18.4	ug/L
P126 Silver	3.00	2.00	3.00	ND(1.28)	ND(1.28)	ug/L
Sodium	792,000	446,000	612,000	331,000	281,000	ug/L
P127 Thallium	ND(0.00900)	ND(0.00900)	ND(0.00900)	0.0100	0.0100	ug/L
Tin	7.00	10.0	15.0	12.9	31.7	ug/L
Titanium	ND(0.253)	4.00	3.00	2.40	3.30	ug/L
Vanadium	15.0	11.0	21.0	6.10	5.10	ug/L
Yttrium	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc	2,350	1,880	1,090	902	950	ug/L
Aluminum, Dissolved	129	119	106	96.5	130	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium, Dissolved	6.00	3.60	4.40	2.80	5.60	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Total and Dissolved Metals						
Boron, Dissolved	442	289	369	ND(3.37)	ND(3.37)	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium, Dissolved	37,800	24,400	33,400	20,300	20,200	ug/L
P119 Chromium, Dissolved	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ug/L
Cobalt, Dissolved	7.90	ND(0.914)	8.50	8.60	7.00	ug/L
P120 Copper, Dissolved	25.2	39.5	31.7	47.3	79.8	ug/L
Iron, Dissolved	ND(19.8)	ND(19.8)	ND(19.8)	269	115	ug/L
P122 Lead, Dissolved	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ug/L
Magnesium, Dissolved	91,500	51,900	71,600	37,000	29,700	ug/L
Manganese, Dissolved	25.9	13.1	28.6	23.2	19.3	ug/L
P123 Mercury, Dissolved	ND(0.0170)	ND(0.0170)	0.0300	0.0700	0.0500	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel, Dissolved	11.3	11.4	22.8	20.0	13.1	ug/L
P125 Selenium, Dissolved	42.9	25.7	32.8	24.8	22.6	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium, Dissolved	821,000	451,000	471,000	310,000	269,000	ug/L
P127 Thallium, Dissolved	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin, Dissolved	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium, Dissolved	ND(0.253)	ND(0.253)	ND(0.253)	ND(10.0)	ND(10.0)	ug/L
Vanadium, Dissolved	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc, Dissolved	83.4	119	91.6	104	102	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P021 2,4,6-Trichlorophenol	ND(13.2)	ND(10.0)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P031 2,4-Dichlorophenol	ND(13.2)	ND(10.0)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P034 2,4-Dimethylphenol	ND(13.2)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P059 2,4-Dinitrophenol	ND(66.2)	ND(50.0)	ND(68.0)	ND(50.0)	ND(50.0)	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P024 2-Chlorophenol	ND(13.2)	ND(10.0)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P057 2-Nitrophenol	ND(26.5)	ND(20.0)	ND(27.0)	ND(20.0)	ND(20.0)	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
4,6-Dinitro-2-methylphenol	ND(26.5)	ND(20.0)	ND(27.0)	ND(20.0)	ND(20.0)	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P022 4-Chloro-3-methylphenol	ND(13.2)	ND(10.0)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P058 4-Nitrophenol	ND(66.2)	ND(50.0)	ND(68.0)	ND(50.0)	ND(50.0)	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	29.0	23.7	58.1	26.6	22.2	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P023 Chloroform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	10.5	ND(10.0)	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(66.2)	ND(50.0)	ND(68.0)	ND(50.0)	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P065 Phenol	244	127	140	111	122	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P085 Tetrachloroethene	28.7	29.2	ND(10.0)	11.3	ND(10.0)	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	10.7	ND(10.0)	ND(10.0)	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Pesticides						
1,2-Dibromo-3-chloropropane	NC	NC	ND(0.200)	NC	NC	ug/L
4,4'-DDD	NC	NC	ND(0.200)	NC	NC	ug/L
4,4'-DDE	NC	NC	ND(0.100)	NC	NC	ug/L
4,4'-DDT	NC	NC	ND(0.100)	NC	NC	ug/L
Acephate	NC	NC	ND(20.0)	NC	NC	ug/L
Alachlor	NC	NC	ND(0.200)	NC	NC	ug/L
Aldrin	NC	NC	ND(0.200)	NC	NC	ug/L
alpha-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L
alpha-Chlordane	NC	NC	ND(0.100)	NC	NC	ug/L
Atrazine	NC	NC	ND(10.0)	NC	NC	ug/L
Azinphos Ethyl	NC	NC	ND(2.00)	NC	NC	ug/L
Azinphos Methyl	NC	NC	ND(1.00)	NC	NC	ug/L
Benfluralin	NC	NC	ND(0.200)	NC	NC	ug/L
beta-BHC	NC	NC	ND(0.100)	NC	NC	ug/L
Bromacil	NC	NC	ND(1.00)	NC	NC	ug/L
Bromoxynil Octanoate	NC	NC	ND(0.500)	NC	NC	ug/L
Butachlor	NC	NC	ND(0.500)	NC	NC	ug/L
Captafol	NC	NC	ND(2.00)	NC	NC	ug/L
Captan	NC	NC	ND(1.00)	NC	NC	ug/L
Carbophenothion	NC	NC	ND(1.00)	NC	NC	ug/L
Chlorfenvinphos	NC	NC	ND(2.00)	NC	NC	ug/L
Chlorobenzilate	NC	NC	ND(1.00)	NC	NC	ug/L
Chloroneb	NC	NC	ND(1.00)	NC	NC	ug/L
Chloropropylate	NC	NC	ND(1.00)	NC	NC	ug/L
Chlorothalonil	NC	NC	ND(0.200)	NC	NC	ug/L
Chlorpyrifos	NC	NC	ND(2.00)	NC	NC	ug/L
cis-Permethrin	NC	NC	ND(2.00)	NC	NC	ug/L
Coumaphos	NC	NC	ND(5.00)	NC	NC	ug/L
Crotoxyphos	NC	NC	ND(5.00)	NC	NC	ug/L
Dacthal (DCPS)	NC	NC	ND(0.0500)	NC	NC	ug/L
DEF	NC	NC	ND(2.00)	NC	NC	ug/L
delta-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Pesticides						
Demeton A	NC	NC	ND(4.00)	NC	NC	ug/L
Demeton B	NC	NC	ND(4.00)	NC	NC	ug/L
Diallate A	NC	NC	ND(2.00)	NC	NC	ug/L
Diallate B	NC	NC	ND(2.00)	NC	NC	ug/L
Diazinon	NC	NC	ND(2.00)	NC	NC	ug/L
Dichlofenthion	NC	NC	ND(2.00)	NC	NC	ug/L
Dichlone	NC	NC	ND(0.200)	NC	NC	ug/L
Dichlorvos	NC	NC	ND(5.00)	NC	NC	ug/L
Dicofol	NC	NC	ND(0.100)	NC	NC	ug/L
Dicrotophos	NC	NC	ND(2.00)	NC	NC	ug/L
Dieldrin	NC	NC	ND(0.0400)	NC	NC	ug/L
Dimethoate	NC	NC	ND(2.00)	NC	NC	ug/L
Dioxathion	NC	NC	ND(5.00)	NC	NC	ug/L
Disulfoton	NC	NC	ND(2.00)	NC	NC	ug/L
Endosulfan I	NC	NC	ND(0.100)	NC	NC	ug/L
Endosulfan II	NC	NC	ND(1.00)	NC	NC	ug/L
Endosulfan Sulfate	NC	NC	ND(0.100)	NC	NC	ug/L
Endrin	NC	NC	ND(0.200)	NC	NC	ug/L
Endrin Aldehyde	NC	NC	ND(0.100)	NC	NC	ug/L
Endrin Ketone	NC	NC	ND(0.100)	NC	NC	ug/L
EPN	NC	NC	ND(2.00)	NC	NC	ug/L
Ethalfuralin	NC	NC	ND(0.100)	NC	NC	ug/L
Ethion	NC	NC	ND(2.00)	NC	NC	ug/L
Ethoprop	NC	NC	ND(2.00)	NC	NC	ug/L
Etridiazole	NC	NC	ND(0.200)	NC	NC	ug/L
Famphur	NC	NC	ND(5.00)	NC	NC	ug/L
Fenarimol	NC	NC	ND(0.200)	NC	NC	ug/L
Fensulfothion	NC	NC	ND(5.00)	NC	NC	ug/L
Fenthion	NC	NC	ND(2.00)	NC	NC	ug/L
gamma-BHC	NC	NC	ND(0.0500)	NC	NC	ug/L
gamma-Chlordane	NC	NC	ND(0.0500)	NC	NC	ug/L
Heptachlor	NC	NC	ND(0.100)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Pesticides						
Heptachlor Epoxide	NC	NC	ND(0.0500)	NC	NC	ug/L
Hexamethylphosphoramide	NC	NC	ND(2.00)	NC	NC	ug/L
Isodrin	NC	NC	ND(0.100)	NC	NC	ug/L
Isopropalin	NC	NC	ND(0.200)	NC	NC	ug/L
Kepone	NC	NC	ND(1.00)	NC	NC	ug/L
Leptophos	NC	NC	ND(2.00)	NC	NC	ug/L
Malathion	NC	NC	ND(2.00)	NC	NC	ug/L
Merphos A	NC	NC	ND(2.00)	NC	NC	ug/L
Merphos B	NC	NC	ND(2.00)	NC	NC	ug/L
Methamidophos	NC	NC	ND(20.0)	NC	NC	ug/L
Methoxychlor	NC	NC	ND(0.100)	NC	NC	ug/L
Methyl Parathion	NC	NC	ND(2.00)	NC	NC	ug/L
Methyl Trithion	NC	NC	ND(5.00)	NC	NC	ug/L
Metribuzin	NC	NC	ND(0.100)	NC	NC	ug/L
Mevinphos	NC	NC	ND(5.00)	NC	NC	ug/L
Mirex	NC	NC	ND(0.200)	NC	NC	ug/L
Monocrotophos	NC	NC	ND(20.0)	NC	NC	ug/L
Naled	NC	NC	ND(2.00)	NC	NC	ug/L
Nitrofen	NC	NC	ND(0.200)	NC	NC	ug/L
Norflurazon	NC	NC	ND(1.00)	NC	NC	ug/L
Parathion (ethyl)	NC	NC	ND(2.00)	NC	NC	ug/L
PCB 1016	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1221	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1232	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1242	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1248	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1254	NC	NC	ND(1.00)	NC	NC	ug/L
PCB 1260	NC	NC	ND(1.00)	NC	NC	ug/L
Pendamethalin	NC	NC	ND(0.500)	NC	NC	ug/L
Pentachloronitrobenzene (PCNB)	NC	NC	ND(0.0500)	NC	NC	ug/L
Perthane	NC	NC	ND(10.0)	NC	NC	ug/L
Phorate	NC	NC	ND(2.00)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Pesticides						
Phosmet	NC	NC	ND(5.00)	NC	NC	ug/L
Phosphamidon E	NC	NC	ND(1.00)	NC	NC	ug/L
Phosphamidon Z	NC	NC	ND(1.00)	NC	NC	ug/L
Propachlor	NC	NC	ND(0.100)	NC	NC	ug/L
Propanil	NC	NC	ND(1.00)	NC	NC	ug/L
Propazine	NC	NC	ND(1.00)	NC	NC	ug/L
Ronnel	NC	NC	ND(2.00)	NC	NC	ug/L
Simazine	NC	NC	0.960	NC	NC	ug/L
Strobane	NC	NC	ND(5.00)	NC	NC	ug/L
Sulfotep	NC	NC	ND(2.00)	NC	NC	ug/L
Sulprofos	NC	NC	ND(2.00)	NC	NC	ug/L
Tepp	NC	NC	ND(2.00)	NC	NC	ug/L
Terbacil	NC	NC	ND(2.00)	NC	NC	ug/L
Terbufos	NC	NC	ND(2.00)	NC	NC	ug/L
Terbuthylazine	NC	NC	ND(5.00)	NC	NC	ug/L
Tetrachlorvinphos	NC	NC	ND(2.00)	NC	NC	ug/L
Tokuthion	NC	NC	ND(2.00)	NC	NC	ug/L
Toxaphene	NC	NC	ND(5.00)	NC	NC	ug/L
trans-Permethrin	NC	NC	ND(2.00)	NC	NC	ug/L
Triadimefon	NC	NC	ND(1.00)	NC	NC	ug/L
Trichlorfon	NC	NC	ND(5.00)	NC	NC	ug/L
Trichloronate	NC	NC	ND(2.00)	NC	NC	ug/L
Tricresylphosphate	NC	NC	ND(20.0)	NC	NC	ug/L
Trifluralin	NC	NC	ND(0.100)	NC	NC	ug/L
Trimethylphosphate	NC	NC	ND(2.00)	NC	NC	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
Decachloro biphenyl	ND(564)	NC	NC	NC	NC	pg/L
PCB-1	ND(225)	NC	NC	NC	NC	pg/L
PCB-2	42.5	NC	NC	NC	NC	pg/L
PCB-3	ND(225)	NC	NC	NC	NC	pg/L
PCB-4	ND(564)	NC	NC	NC	NC	pg/L
PCB-5	ND(56.4)	NC	NC	NC	NC	pg/L
PCB-6	156	NC	NC	NC	NC	pg/L
PCB-7	ND(56.4)	NC	NC	NC	NC	pg/L
PCB-8	807	NC	NC	NC	NC	pg/L
PCB-9	ND(56.4)	NC	NC	NC	NC	pg/L
PCB-10	ND(56.4)	NC	NC	NC	NC	pg/L
PCB-11	1,240	NC	NC	NC	NC	pg/L
PCB-12+PCB-13	ND(113)	NC	NC	NC	NC	pg/L
PCB-14	ND(113)	NC	NC	NC	NC	pg/L
PCB-15	ND(564)	NC	NC	NC	NC	pg/L
PCB-16	905	NC	NC	NC	NC	pg/L
PCB-17	849	NC	NC	NC	NC	pg/L
PCB-18+PCB-30	1,750	NC	NC	NC	NC	pg/L
PCB-19	176	NC	NC	NC	NC	pg/L
PCB-20+PCB-28	2,680	NC	NC	NC	NC	pg/L
PCB-21+PCB-33	1,640	NC	NC	NC	NC	pg/L
PCB-22	1,060	NC	NC	NC	NC	pg/L
PCB-23	ND(225)	NC	NC	NC	NC	pg/L
PCB-24	ND(225)	NC	NC	NC	NC	pg/L
PCB-25	ND(225)	NC	NC	NC	NC	pg/L
PCB-26+PCB-29	474	NC	NC	NC	NC	pg/L
PCB-27	ND(225)	NC	NC	NC	NC	pg/L
PCB-31	2,410	NC	NC	NC	NC	pg/L
PCB-32	505	NC	NC	NC	NC	pg/L
PCB-34	ND(225)	NC	NC	NC	NC	pg/L
PCB-35	235	NC	NC	NC	NC	pg/L
PCB-36	ND(225)	NC	NC	NC	NC	pg/L

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Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
PCB-37	773	NC	NC	NC	NC	pg/L
PCB-38	ND(225)	NC	NC	NC	NC	pg/L
PCB-39	ND(225)	NC	NC	NC	NC	pg/L
PCB-40+PCB-41+PCB-71	1,170	NC	NC	NC	NC	pg/L
PCB-42	537	NC	NC	NC	NC	pg/L
PCB-43	ND(225)	NC	NC	NC	NC	pg/L
PCB-44+PCB-47+PCB-65	2,820	NC	NC	NC	NC	pg/L
PCB-45+PCB-51	551	NC	NC	NC	NC	pg/L
PCB-46	ND(225)	NC	NC	NC	NC	pg/L
PCB-48	473	NC	NC	NC	NC	pg/L
PCB-49+PCB-69	1,020	NC	NC	NC	NC	pg/L
PCB-50+PCB-53	250	NC	NC	NC	NC	pg/L
PCB-52	1,610	NC	NC	NC	NC	pg/L
PCB-54	ND(564)	NC	NC	NC	NC	pg/L
PCB-55	ND(564)	NC	NC	NC	NC	pg/L
PCB-56	810	NC	NC	NC	NC	pg/L
PCB-57	ND(564)	NC	NC	NC	NC	pg/L
PCB-58	ND(564)	NC	NC	NC	NC	pg/L
PCB-59+PCB-62+PCB-75	ND(225)	NC	NC	NC	NC	pg/L
PCB-60	ND(564)	NC	NC	NC	NC	pg/L
PCB-61+PCB-70+PCB-74+PCB-76	2,990	NC	NC	NC	NC	pg/L
PCB-63	ND(564)	NC	NC	NC	NC	pg/L
PCB-64	786	NC	NC	NC	NC	pg/L
PCB-66	1,460	NC	NC	NC	NC	pg/L
PCB-67	ND(564)	NC	NC	NC	NC	pg/L
PCB-68	ND(564)	NC	NC	NC	NC	pg/L
PCB-72	ND(564)	NC	NC	NC	NC	pg/L
PCB-73	ND(564)	NC	NC	NC	NC	pg/L
PCB-77	ND(564)	NC	NC	NC	NC	pg/L
PCB-78	ND(564)	NC	NC	NC	NC	pg/L
PCB-79	ND(564)	NC	NC	NC	NC	pg/L
PCB-80	ND(564)	NC	NC	NC	NC	pg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
PCB-81	ND(564)	NC	NC	NC	NC	pg/L
PCB-82	ND(564)	NC	NC	NC	NC	pg/L
PCB-83+PCB-99	768	NC	NC	NC	NC	pg/L
PCB-84	ND(564)	NC	NC	NC	NC	pg/L
PCB-85+PCB-116+PCB-117	ND(225)	NC	NC	NC	NC	pg/L
PCB-86+PCB-87+PCB-97+PCB-108+PCB-	660	NC	NC	NC	NC	pg/L
PCB-88+PCB-91	ND(564)	NC	NC	NC	NC	pg/L
PCB-89	ND(564)	NC	NC	NC	NC	pg/L
PCB-90+PCB-101+PCB-113	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-92	ND(564)	NC	NC	NC	NC	pg/L
PCB-93+PCB-95+PCB-98+PCB-100+PCB-	713	NC	NC	NC	NC	pg/L
PCB-94	ND(564)	NC	NC	NC	NC	pg/L
PCB-96	ND(564)	NC	NC	NC	NC	pg/L
PCB-103	ND(564)	NC	NC	NC	NC	pg/L
PCB-104	ND(564)	NC	NC	NC	NC	pg/L
PCB-105	406	NC	NC	NC	NC	pg/L
PCB-106	ND(564)	NC	NC	NC	NC	pg/L
PCB-107+PCB-124	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-109	ND(225)	NC	NC	NC	NC	pg/L
PCB-110+PCB-115	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-111	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-112	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-114	ND(564)	NC	NC	NC	NC	pg/L
PCB-118	984	NC	NC	NC	NC	pg/L
PCB-120	ND(564)	NC	NC	NC	NC	pg/L
PCB-121	ND(564)	NC	NC	NC	NC	pg/L
PCB-122	ND(564)	NC	NC	NC	NC	pg/L
PCB-123	ND(564)	NC	NC	NC	NC	pg/L
PCB-126	ND(564)	NC	NC	NC	NC	pg/L
PCB-127	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-128+PCB-166	ND(564)	NC	NC	NC	NC	pg/L
PCB-129+PCB-138+PCB-160+PCB-163	1,650	NC	NC	NC	NC	pg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
PCB-130	ND(564)	NC	NC	NC	NC	pg/L
PCB-131	ND(564)	NC	NC	NC	NC	pg/L
PCB-132	ND(564)	NC	NC	NC	NC	pg/L
PCB-133	ND(564)	NC	NC	NC	NC	pg/L
PCB-134+PCB-143	ND(564)	NC	NC	NC	NC	pg/L
PCB-135+PCB-151+PCB-154	ND(564)	NC	NC	NC	NC	pg/L
PCB-136	ND(225)	NC	NC	NC	NC	pg/L
PCB-137	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-139+PCB-140	ND(564)	NC	NC	NC	NC	pg/L
PCB-141	ND(225)	NC	NC	NC	NC	pg/L
PCB-142	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-144	ND(564)	NC	NC	NC	NC	pg/L
PCB-145	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-146	ND(564)	NC	NC	NC	NC	pg/L
PCB-147+PCB-149	ND(564)	NC	NC	NC	NC	pg/L
PCB-148	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-150	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-152	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-153+PCB-168	1,740	NC	NC	NC	NC	pg/L
PCB-155	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-156+PCB-157	ND(564)	NC	NC	NC	NC	pg/L
PCB-158	ND(225)	NC	NC	NC	NC	pg/L
PCB-159	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-161	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-162	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-164	ND(564)	NC	NC	NC	NC	pg/L
PCB-165	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-167	ND(564)	NC	NC	NC	NC	pg/L
PCB-169	ND(564)	NC	NC	NC	NC	pg/L
PCB-170	ND(564)	NC	NC	NC	NC	pg/L
PCB-171+PCB-173	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-172	ND(1,130)	NC	NC	NC	NC	pg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
PCB-174	ND(564)	NC	NC	NC	NC	pg/L
PCB-175	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-176	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-177	ND(564)	NC	NC	NC	NC	pg/L
PCB-178	ND(564)	NC	NC	NC	NC	pg/L
PCB-179	ND(564)	NC	NC	NC	NC	pg/L
PCB-180+PCB-193	986	NC	NC	NC	NC	pg/L
PCB-181	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-182	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-183+PCB-185	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-184	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-186	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-187	ND(564)	NC	NC	NC	NC	pg/L
PCB-188	ND(564)	NC	NC	NC	NC	pg/L
PCB-189	ND(564)	NC	NC	NC	NC	pg/L
PCB-190	ND(564)	NC	NC	NC	NC	pg/L
PCB-191	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-192	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-194	ND(564)	NC	NC	NC	NC	pg/L
PCB-195	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-196	ND(5,640)	NC	NC	NC	NC	pg/L
PCB-197+PCB-200	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-198+PCB-199	ND(564)	NC	NC	NC	NC	pg/L
PCB-201	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-202	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-203	ND(5,640)	NC	NC	NC	NC	pg/L
PCB-204	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-205	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-206	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-207	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-208	ND(1,130)	NC	NC	NC	NC	pg/L
PCB-209	ND(564)	NC	NC	NC	NC	pg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-4, Influent to Wastewater Treatment System	Day 1 65651	Day 2 65655	Day 3 65659	Day 4 65663	Day 5 65667	Unit
Polychlorinated Biphenyls						
Total Dichloro Biphenyls	2,200	NC	NC	NC	NC	pg/L
Total Heptachloro Biphenyls	ND(1,130)	NC	NC	NC	NC	pg/L
Total Hexachloro Biphenyls	3,390	NC	NC	NC	NC	pg/L
Total Monochloro Biphenyls	ND(225)	NC	NC	NC	NC	pg/L
Total Nonachloro Biphenyls	ND(1,130)	NC	NC	NC	NC	pg/L
Total Octachloro Biphenyls	ND(1,130)	NC	NC	NC	NC	pg/L
Total PCBs	37,100	NC	NC	NC	NC	pg/L
Total Pentachloro Biphenyls	3,530	NC	NC	NC	NC	pg/L
Total Tetrachloro Biphenyls	14,500	NC	NC	NC	NC	pg/L
Total Trichloro Biphenyls	13,500	NC	NC	NC	NC	pg/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-6, Effluent from Wastewater Treatment		Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Classical Pollutants							
	Alkalinity	150	219	218	203	204	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	27.9	41.1	46.0	38.2	42.3	mg/L
P121	Available Cyanide	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ug/L
	Biochemical Oxygen Demand (BOD)	ND(2.00)	ND(2.00)	7.85	ND(2.00)	EXCLUDE	mg/L
	Chemical Oxygen Demand (COD)	56.0	61.0	76.0	61.0	67.0	mg/L
	Chloride	915	1,210	1,320	942	797	mg/L
	Hardness	307	356	437	332	274	mg/L
	Hexane Extractable Material (HEM)	ND(5.10)	ND(5.10)	ND(4.80)	ND(5.00)	ND(4.80)	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	0.0500	0.230	ND(0.0500)	ND(0.0500)	ND(0.0500)	mg/L
	Settleable residue	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	EXCLUDE	mL/L
	Silica Gel Treated HEM (SGT-HEM)	ND(5.10)	ND(5.10)	ND(4.80)	ND(5.00)	ND(4.80)	mg/L
	Sulfate	124	166	182	128	112	mg/L
P121	Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	1,750	2,300	2,540	1,530	1,550	mg/L
	Total Kjeldahl Nitrogen (TKN)	27.6	45.0	54.3	44.1	46.8	mg/L
	Total Organic Carbon (TOC)	17.2	13.9	16.0	14.0	16.0	mg/L
	Total Phosphorus	6.20	6.30	8.10	7.80	7.90	mg/L
	Total Suspended Solids (TSS)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	32.0	mg/L

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NC - Not collected.

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-6, Effluent from Wastewater Treatment	Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Total and Dissolved Metals						
Aluminum	28.0	62.0	38.0	ND(9.93)	ND(9.93)	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium	6.00	6.00	6.00	4.50	4.40	ug/L
P117 Beryllium	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L
Boron	306	348	400	353	333	ug/L
P118 Cadmium	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium	28,600	31,700	39,500	31,600	28,800	ug/L
P119 Chromium	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ug/L
Cobalt	ND(0.914)	1.00	ND(0.914)	ND(0.914)	ND(0.914)	ug/L
P120 Copper	15.0	19.0	15.0	15.5	27.7	ug/L
Iron	164	175	176	272	156	ug/L
P122 Lead	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ug/L
Magnesium	57,300	67,200	82,100	61,500	49,100	ug/L
Manganese	19.0	19.0	23.0	18.8	17.2	ug/L
P123 Mercury	0.0200	0.0200	0.0200	0.0300	0.0400	ug/L
Molybdenum	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel	12.0	12.0	20.0	18.7	11.9	ug/L
P125 Selenium	26.0	29.0	42.0	32.8	28.3	ug/L
P126 Silver	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium	488,000	575,000	664,000	514,000	413,000	ug/L
P127 Thallium	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium	ND(0.253)	ND(0.253)	ND(0.253)	ND(0.253)	ND(0.253)	ug/L
Vanadium	ND(0.679)	ND(0.679)	ND(0.679)	0.830	1.50	ug/L
Yttrium	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc	211	217	152	230	219	ug/L
Aluminum, Dissolved	ND(9.93)	ND(9.93)	ND(9.93)	53.6	53.7	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	ug/L
Barium, Dissolved	6.00	6.30	5.80	4.50	4.50	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-6, Effluent from Wastewater Treatment	Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Total and Dissolved Metals						
Boron, Dissolved	294	365	385	335	324	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	ug/L
Calcium, Dissolved	28,400	33,800	37,700	31,100	29,300	ug/L
P119 Chromium, Dissolved	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	ug/L
Cobalt, Dissolved	ND(0.914)	ND(0.914)	ND(0.914)	2.00	2.60	ug/L
P120 Copper, Dissolved	13.2	17.2	12.4	14.0	25.7	ug/L
Iron, Dissolved	ND(19.8)	ND(19.8)	ND(19.8)	148	140	ug/L
P122 Lead, Dissolved	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	ug/L
Magnesium, Dissolved	56,800	73,200	77,800	60,800	50,200	ug/L
Manganese, Dissolved	21.5	23.2	24.0	20.3	21.5	ug/L
P123 Mercury, Dissolved	ND(0.0170)	ND(0.0170)	ND(0.0170)	0.0300	0.0400	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ug/L
P124 Nickel, Dissolved	12.4	11.7	19.4	13.7	12.9	ug/L
P125 Selenium, Dissolved	49.2	34.8	77.2	35.7	28.4	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	ug/L
Sodium, Dissolved	619,000	1,350,000	681,000	480,000	406,000	ug/L
P127 Thallium, Dissolved	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	ug/L
Tin, Dissolved	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	ug/L
Titanium, Dissolved	ND(0.253)	ND(0.253)	ND(0.253)	ND(10.0)	ND(10.0)	ug/L
Vanadium, Dissolved	ND(0.679)	ND(0.679)	ND(0.679)	ND(0.679)	1.90	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	ug/L
P128 Zinc, Dissolved	218	209	150	220	219	ug/L

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Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-6, Effluent from Wastewater Treatment	Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P021 2,4,6-Trichlorophenol	ND(10.0)	ND(18.5)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P031 2,4-Dichlorophenol	ND(10.0)	ND(18.5)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P034 2,4-Dimethylphenol	ND(10.0)	ND(18.5)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P059 2,4-Dinitrophenol	ND(50.0)	ND(92.6)	ND(69.9)	ND(50.0)	ND(50.0)	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P024 2-Chlorophenol	ND(10.0)	ND(18.5)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
P057 2-Nitrophenol	ND(20.0)	ND(37.0)	ND(28.0)	ND(20.0)	ND(20.0)	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
4,6-Dinitro-2-methylphenol	ND(20.0)	ND(37.0)	ND(28.0)	ND(20.0)	ND(20.0)	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P022 4-Chloro-3-methylphenol	ND(10.0)	ND(18.5)	ND(14.0)	ND(10.0)	ND(10.0)	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P058 4-Nitrophenol	ND(50.0)	ND(92.6)	ND(69.9)	ND(50.0)	ND(50.0)	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-6, Effluent from Wastewater Treatment	Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	ND(10.0)	ND(10.0)	18.9	ND(10.0)	ND(10.0)	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P023 Chloroform	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

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**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-6, Effluent from Wastewater Treatment	Day 1 65691	Day 2 65695	Day 3 65699	Day 4 65703	Day 5 65707	Unit
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(50.0)	ND(92.6)	ND(69.9)	ND(50.0)	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P065 Phenol	81.4	84.0	111	79.5	64.9	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P085 Tetrachloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 1	Day 2	Day 3	Day 4	Day 5	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System		65711	65715	65719	65723	65727	
Classical Pollutants							
	Alkalinity	NC	NC	211	179	203	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	NC	NC	48.6	38.0	42.8	mg/L
P121	Available Cyanide	ND(2.00)	ND(2.00)	ND(2.00)	NC	NC	ug/L
	Biochemical Oxygen Demand (BOD)	ND(2.00)	ND(2.00)	NC	NC	EXCLUDE	mg/L
	Chemical Oxygen Demand (COD)	NC	NC	71.0	68.0	67.0	mg/L
	Chloride	NC	NC	1,310	962	787	mg/L
	Hardness	313	362	NC	325	NC	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	NC	NC	ND(0.0500)	ND(0.0500)	ND(0.0500)	mg/L
	Settleable residue	ND(0.100)	ND(0.100)	NC	NC	EXCLUDE	mL/L
	Sulfate	NC	NC	178	130	108	mg/L
P121	Total Cyanide	ND(0.00500)	ND(0.00500)	ND(0.00500)	NC	NC	mg/L
	Total Dissolved Solids (TDS)	NC	NC	2,650	1,850	1,600	mg/L
	Total Kjeldahl Nitrogen (TKN)	NC	NC	52.0	43.5	46.0	mg/L
	Total Organic Carbon (TOC)	NC	NC	16.9	15.3	14.4	mg/L
	Total Phosphorus	NC	NC	8.10	7.10	8.60	mg/L
	Total Suspended Solids (TSS)	NC	NC	ND(5.00)	ND(5.00)	ND(5.00)	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65711	Day 2 65715	Day 3 65719	Day 4 65723	Day 5 65727	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System						
Total and Dissolved Metals						
Aluminum	ND(9.93)	35.0	NC	ND(9.93)	NC	ug/L
P114 Antimony	ND(5.97)	ND(5.97)	NC	ND(5.97)	NC	ug/L
P115 Arsenic	ND(2.32)	ND(2.32)	NC	ND(2.32)	NC	ug/L
Barium	6.00	6.00	NC	4.30	NC	ug/L
P117 Beryllium	ND(0.0540)	ND(0.0540)	NC	ND(0.0540)	NC	ug/L
Boron	327	343	NC	340	NC	ug/L
P118 Cadmium	ND(0.446)	ND(0.446)	NC	ND(0.446)	NC	ug/L
Calcium	28,900	32,000	NC	30,900	NC	ug/L
P119 Chromium	ND(1.68)	ND(1.68)	NC	ND(1.68)	NC	ug/L
Cobalt	ND(0.914)	ND(0.914)	NC	ND(0.914)	NC	ug/L
P120 Copper	15.4	18.0	NC	15.0	NC	ug/L
Iron	165	175	NC	143	NC	ug/L
P122 Lead	ND(3.08)	ND(3.08)	NC	ND(3.08)	NC	ug/L
Magnesium	58,500	68,400	NC	60,100	NC	ug/L
Manganese	19.4	19.0	NC	18.1	NC	ug/L
P123 Mercury	0.0300	0.0900	NC	0.0300	NC	ug/L
Molybdenum	ND(1.50)	ND(1.50)	NC	ND(1.50)	NC	ug/L
P124 Nickel	13.2	11.0	NC	12.4	NC	ug/L
P125 Selenium	15.8	26.0	NC	31.5	NC	ug/L
P126 Silver	ND(1.28)	ND(1.28)	NC	ND(1.28)	NC	ug/L
Sodium	512,000	591,000	NC	496,000	NC	ug/L
P127 Thallium	0.0100	ND(0.00900)	NC	ND(0.00900)	NC	ug/L
Tin	ND(3.45)	ND(3.45)	NC	ND(3.45)	NC	ug/L
Titanium	ND(0.253)	ND(0.253)	NC	ND(0.253)	NC	ug/L
Vanadium	1.10	ND(0.679)	NC	ND(0.679)	NC	ug/L
Yttrium	ND(0.222)	ND(0.222)	NC	ND(0.222)	NC	ug/L
P128 Zinc	233	211	NC	221	NC	ug/L
Aluminum, Dissolved	46.5	ND(9.93)	ND(9.93)	46.1	NC	ug/L
P114 Antimony, Dissolved	ND(5.97)	ND(5.97)	ND(5.97)	ND(5.97)	NC	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ND(2.32)	ND(2.32)	ND(2.32)	NC	ug/L
Barium, Dissolved	6.10	6.70	5.80	4.60	NC	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ND(0.0540)	ND(0.0540)	ND(0.0540)	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65711	Day 2 65715	Day 3 65719	Day 4 65723	Day 5 65727	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System						
Total and Dissolved Metals						
Boron, Dissolved	335	366	391	ND(3.37)	NC	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ND(0.446)	ND(0.446)	ND(0.446)	NC	ug/L
Calcium, Dissolved	29,100	33,800	38,000	31,000	NC	ug/L
P119 Chromium, Dissolved	ND(1.68)	ND(1.68)	ND(1.68)	ND(1.68)	NC	ug/L
Cobalt, Dissolved	1.20	ND(0.914)	ND(0.914)	ND(0.914)	NC	ug/L
P120 Copper, Dissolved	14.5	17.6	13.7	14.8	NC	ug/L
Iron, Dissolved	163	ND(19.8)	ND(19.8)	168	NC	ug/L
P122 Lead, Dissolved	ND(3.08)	ND(3.08)	ND(3.08)	ND(3.08)	NC	ug/L
Magnesium, Dissolved	58,200	73,200	78,200	60,600	NC	ug/L
Manganese, Dissolved	20.6	24.3	22.2	18.5	NC	ug/L
P123 Mercury, Dissolved	0.0400	ND(0.0170)	ND(0.0170)	ND(0.0170)	NC	ug/L
Molybdenum, Dissolved	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	NC	ug/L
P124 Nickel, Dissolved	13.2	11.0	19.2	14.5	NC	ug/L
P125 Selenium, Dissolved	14.7	52.3	67.0	23.8	NC	ug/L
P126 Silver, Dissolved	ND(1.28)	ND(1.28)	ND(1.28)	ND(1.28)	NC	ug/L
Sodium, Dissolved	472,000	629,000	666,000	480,000	NC	ug/L
P127 Thallium, Dissolved	ND(0.00900)	ND(0.00900)	ND(0.00900)	ND(0.00900)	NC	ug/L
Tin, Dissolved	ND(3.45)	ND(3.45)	ND(3.45)	ND(3.45)	NC	ug/L
Titanium, Dissolved	ND(10.0)	ND(0.253)	ND(0.253)	ND(10.0)	NC	ug/L
Vanadium, Dissolved	1.50	ND(0.679)	1.10	0.710	NC	ug/L
Yttrium, Dissolved	ND(0.222)	ND(0.222)	ND(0.222)	ND(0.222)	NC	ug/L
P128 Zinc, Dissolved	227	208	151	224	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

	Day 1 65711	Day 2 65715	Day 3 65719	Day 4 65723	Day 5 65727	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System						
Volatile and Semivolatile Organics						
P011 1,1,1-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P015 1,1,2,2-Tetrachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P014 1,1,2-Trichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P013 1,1-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P029 1,1-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P008 1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P025 1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P010 1,2-Dichloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P032 1,2-Dichloropropane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P026 1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P027 1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P042 2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P021 2,4,6-Trichlorophenol	ND(16.4)	ND(10.0)	ND(12.5)	NC	NC	ug/L
P031 2,4-Dichlorophenol	ND(16.4)	ND(10.0)	ND(12.5)	NC	NC	ug/L
P034 2,4-Dimethylphenol	ND(16.4)	ND(10.0)	ND(12.5)	NC	NC	ug/L
P059 2,4-Dinitrophenol	ND(81.8)	ND(50.0)	ND(62.5)	NC	NC	ug/L
P035 2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P036 2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P019 2-Chloroethyl vinyl ether	ND(50.0)	EXCLUDE	EXCLUDE	NC	NC	ug/L
P020 2-Chloronaphthalene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P024 2-Chlorophenol	ND(16.4)	ND(10.0)	ND(12.5)	NC	NC	ug/L
P057 2-Nitrophenol	ND(32.7)	ND(20.0)	ND(25.0)	NC	NC	ug/L
P028 3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ND(50.0)	NC	NC	ug/L
4,6-Dinitro-2-methylphenol	ND(32.7)	ND(20.0)	ND(25.0)	NC	NC	ug/L
4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P022 4-Chloro-3-methylphenol	ND(16.4)	ND(10.0)	ND(12.5)	NC	NC	ug/L
4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P058 4-Nitrophenol	ND(81.8)	ND(50.0)	ND(62.5)	NC	NC	ug/L
P001 Acenaphthene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P077 Acenaphthylene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P078 Anthracene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P004 Benzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

	Day 1 65711	Day 2 65715	Day 3 65719	Day 4 65723	Day 5 65727	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System						
Volatile and Semivolatile Organics						
P005 Benzidine	ND(50.0)	ND(50.0)	ND(50.0)	NC	NC	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ND(20.0)	NC	NC	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P066 Bis(2-ethylhexyl) phthalate	ND(10.0)	16.7	ND(10.0)	NC	NC	ug/L
P048 Bromodichloromethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Bromoform	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P046 Bromomethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Carbon tetrachloride	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P007 Chlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P016 Chloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P023 Chloroform	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P045 Chloromethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ND(20.0)	NC	NC	ug/L
P051 Dibromochloromethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P038 Ethylbenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	EXCLUDE	NC	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65711	Day 2 65715	Day 3 65719	Day 4 65723	Day 5 65727	Unit
SP-7, Duplicate of Effluent from Wastewater Treatment System						
Volatile and Semivolatile Organics						
P012 Hexachloroethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ND(20.0)	NC	NC	ug/L
P054 Isophorone	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P044 Methylene chloride	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P055 Naphthalene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P056 Nitrobenzene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ND(50.0)	NC	NC	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ND(20.0)	NC	NC	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ND(20.0)	NC	NC	ug/L
P064 Pentachlorophenol	ND(81.8)	ND(50.0)	ND(62.5)	NC	NC	ug/L
P081 Phenanthrene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P065 Phenol	90.2	52.3	106	NC	NC	ug/L
P084 Pyrene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P085 Tetrachloroethene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P086 Toluene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P030 trans-1,2-Dichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P033 trans-1,3-Dichloropropene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P087 Trichloroethene	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
Trichlorofluoromethane	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L
P088 Vinyl chloride	ND(10.0)	ND(10.0)	ND(10.0)	NC	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Classical Pollutants			
	Alkalinity	90.0	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	2.72	mg/L
P121	Available Cyanide	12.9	ug/L
	Biochemical Oxygen Demand (BOD)	976	mg/L
	Chemical Oxygen Demand (COD)	1,270	mg/L
	Chloride	83.0	mg/L
	Hardness	36.7	mg/L
	Hexane Extractable Material (HEM)	150	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	ND(0.0500)	mg/L
	Settleable residue	1.50	mL/L
	Silica Gel Treated HEM (SGT-HEM)	ND(4.20)	mg/L
	Sulfate	21.0	mg/L
P121	Total Cyanide	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	666	mg/L
	Total Kjeldahl Nitrogen (TKN)	21.8	mg/L
	Total Organic Carbon (TOC)	268	mg/L
	Total Phosphorus	19.4	mg/L
	Total Suspended Solids (TSS)	308	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Total and Dissolved Metals			
	Aluminum	735	ug/L
P114	Antimony	ND(5.97)	ug/L
P115	Arsenic	ND(2.32)	ug/L
	Barium	11.0	ug/L
P117	Beryllium	ND(0.0540)	ug/L
	Boron	ND(3.37)	ug/L
P118	Cadmium	ND(0.446)	ug/L
	Calcium	9,310	ug/L
P119	Chromium	9.00	ug/L
	Cobalt	1.00	ug/L
P120	Copper	259	ug/L
	Iron	602	ug/L
P122	Lead	3.40	ug/L
	Magnesium	3,270	ug/L
	Manganese	17.0	ug/L
P123	Mercury	0.110	ug/L
	Molybdenum	ND(1.50)	ug/L
P124	Nickel	14.0	ug/L
P125	Selenium	ND(0.572)	ug/L
P126	Silver	ND(1.28)	ug/L
	Sodium	104,000	ug/L
P127	Thallium	ND(0.00900)	ug/L
	Tin	10.0	ug/L
	Titanium	2.00	ug/L
	Vanadium	1.00	ug/L
	Yttrium	ND(0.222)	ug/L
P128	Zinc	616	ug/L
	Aluminum, Dissolved	456	ug/L
P114	Antimony, Dissolved	ND(5.97)	ug/L
P115	Arsenic, Dissolved	ND(2.32)	ug/L
	Barium, Dissolved	6.10	ug/L
P117	Beryllium, Dissolved	ND(0.0540)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Total and Dissolved Metals			
	Boron, Dissolved	ND(3.37)	ug/L
P118	Cadmium, Dissolved	ND(0.446)	ug/L
	Calcium, Dissolved	8,330	ug/L
P119	Chromium, Dissolved	2.50	ug/L
	Cobalt, Dissolved	ND(0.914)	ug/L
P120	Copper, Dissolved	25.4	ug/L
	Iron, Dissolved	506	ug/L
P122	Lead, Dissolved	ND(3.08)	ug/L
	Magnesium, Dissolved	2,680	ug/L
	Manganese, Dissolved	23.0	ug/L
P123	Mercury, Dissolved	0.0200	ug/L
	Molybdenum, Dissolved	ND(1.50)	ug/L
P124	Nickel, Dissolved	11.9	ug/L
P125	Selenium, Dissolved	1.60	ug/L
P126	Silver, Dissolved	ND(1.28)	ug/L
	Sodium, Dissolved	103,000	ug/L
P127	Thallium, Dissolved	ND(0.00900)	ug/L
	Tin, Dissolved	5.80	ug/L
	Titanium, Dissolved	ND(0.253)	ug/L
	Vanadium, Dissolved	ND(0.679)	ug/L
	Yttrium, Dissolved	ND(0.222)	ug/L
P128	Zinc, Dissolved	465	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(10.0)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	ug/L
P013	1,1-Dichloroethane	ND(10.0)	ug/L
P029	1,1-Dichloroethene	ND(10.0)	ug/L
P008	1,2,4-Trichlorobenzene	ND(10.0)	ug/L
P025	1,2-Dichlorobenzene	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	ug/L
P032	1,2-Dichloropropane	ND(10.0)	ug/L
P026	1,3-Dichlorobenzene	ND(10.0)	ug/L
P027	1,4-Dichlorobenzene	ND(10.0)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(10.0)	ug/L
P021	2,4,6-Trichlorophenol	ND(10.0)	ug/L
P031	2,4-Dichlorophenol	ND(10.0)	ug/L
P034	2,4-Dimethylphenol	ND(10.0)	ug/L
P059	2,4-Dinitrophenol	ND(50.0)	ug/L
P035	2,4-Dinitrotoluene	ND(10.0)	ug/L
P036	2,6-Dinitrotoluene	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	EXCLUDE	ug/L
P020	2-Chloronaphthalene	ND(10.0)	ug/L
P024	2-Chlorophenol	ND(10.0)	ug/L
P057	2-Nitrophenol	ND(20.0)	ug/L
P028	3,3'-Dichlorobenzidine	ND(50.0)	ug/L
	4,6-Dinitro-2-methylphenol	ND(20.0)	ug/L
	4-Bromophenyl phenyl ether	ND(10.0)	ug/L
P022	4-Chloro-3-methylphenol	ND(10.0)	ug/L
	4-Chlorophenyl phenyl ether	ND(10.0)	ug/L
P058	4-Nitrophenol	ND(50.0)	ug/L
P001	Acenaphthene	ND(10.0)	ug/L
P077	Acenaphthylene	ND(10.0)	ug/L
P078	Anthracene	ND(10.0)	ug/L
P004	Benzene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Volatile and Semivolatile Organics			
P005	Benzidine	ND(50.0)	ug/L
P072	Benzo(a)anthracene	ND(10.0)	ug/L
P073	Benzo(a)pyrene	ND(10.0)	ug/L
P074	Benzo(b)fluoranthene	ND(10.0)	ug/L
	Benzo(g,h,i)perylene	ND(20.0)	ug/L
P075	Benzo(k)fluoranthene	ND(10.0)	ug/L
P043	Bis(2-chloroethoxy)methane	ND(10.0)	ug/L
	Bis(2-Chloroethyl)ether	ND(10.0)	ug/L
P066	Bis(2-ethylhexyl) phthalate	110	ug/L
P048	Bromodichloromethane	ND(10.0)	ug/L
	Bromoform	ND(10.0)	ug/L
P046	Bromomethane	ND(10.0)	ug/L
P067	Butyl benzyl phthalate	ND(10.0)	ug/L
	Carbon tetrachloride	ND(10.0)	ug/L
P007	Chlorobenzene	ND(10.0)	ug/L
P016	Chloroethane	ND(10.0)	ug/L
P023	Chloroform	ND(10.0)	ug/L
P045	Chloromethane	ND(10.0)	ug/L
P076	Chrysene	ND(10.0)	ug/L
	cis-1,3-Dichloropropene	ND(10.0)	ug/L
	Dibenz(a,h)anthracene	ND(20.0)	ug/L
P051	Dibromochloromethane	ND(10.0)	ug/L
P070	Diethyl phthalate	ND(10.0)	ug/L
P071	Dimethyl phthalate	ND(10.0)	ug/L
P068	Di-n-butyl phthalate	ND(10.0)	ug/L
P069	Di-n-octyl phthalate	ND(10.0)	ug/L
P038	Ethylbenzene	ND(10.0)	ug/L
P039	Fluoranthene	ND(10.0)	ug/L
P080	Fluorene	ND(10.0)	ug/L
P009	Hexachlorobenzene	ND(10.0)	ug/L
P052	Hexachlorobutadiene	ND(10.0)	ug/L
P053	Hexachlorocyclopentadiene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-8, Galley Wastewater Overboard Discharge		Day 1 65731	Unit
Volatile and Semivolatile Organics			
P012	Hexachloroethane	ND(10.0)	ug/L
P083	Indeno(1,2,3-cd)pyrene	ND(20.0)	ug/L
P054	Isophorone	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	ug/L
P055	Naphthalene	ND(10.0)	ug/L
P056	Nitrobenzene	ND(10.0)	ug/L
P061	N-Nitrosodimethylamine	ND(50.0)	ug/L
	N-Nitroso Di-n-propylamine	ND(20.0)	ug/L
P062	N-Nitrosodiphenylamine	ND(20.0)	ug/L
P064	Pentachlorophenol	ND(50.0)	ug/L
P081	Phenanthrene	ND(10.0)	ug/L
P065	Phenol	114	ug/L
P084	Pyrene	ND(10.0)	ug/L
P085	Tetrachloroethene	ND(10.0)	ug/L
P086	Toluene	ND(10.0)	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	ug/L
P087	Trichloroethene	ND(10.0)	ug/L
	Trichlorofluoromethane	ND(10.0)	ug/L
P088	Vinyl chloride	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Classical Pollutants			
	Alkalinity	90.0	mg/L
	Ammonia As Nitrogen (NH3-N)	2.32	mg/L
P121	Available Cyanide	2.09	ug/L
	Biochemical Oxygen Demand (BOD)	85.4	mg/L
	Chemical Oxygen Demand (COD)	234	mg/L
	Chloride	142	mg/L
	Hardness	65.5	mg/L
	Hexane Extractable Material (HEM)	19.5	mg/L
	Nitrate/Nitrite (NO2 + NO3-N)	0.0600	mg/L
	Settleable residue	6.00	mL/L
	Silica Gel Treated HEM (SGT-HEM)	ND(4.00)	mg/L
	Sulfate	14.0	mg/L
P121	Total Cyanide	ND(0.00500)	mg/L
	Total Dissolved Solids (TDS)	394	mg/L
	Total Kjeldahl Nitrogen (TKN)	7.50	mg/L
	Total Organic Carbon (TOC)	38.8	mg/L
	Total Phosphorus	5.80	mg/L
	Total Suspended Solids (TSS)	77.0	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Total and Dissolved Metals			
	Aluminum	321	ug/L
P114	Antimony	ND(5.97)	ug/L
P115	Arsenic	ND(2.32)	ug/L
	Barium	15.0	ug/L
P117	Beryllium	ND(0.0540)	ug/L
	Boron	ND(3.37)	ug/L
P118	Cadmium	ND(0.446)	ug/L
	Calcium	11,400	ug/L
P119	Chromium	4.00	ug/L
	Cobalt	1.00	ug/L
P120	Copper	217	ug/L
	Iron	570	ug/L
P122	Lead	4.00	ug/L
	Magnesium	8,990	ug/L
	Manganese	8.00	ug/L
P123	Mercury	ND(0.0170)	ug/L
	Molybdenum	ND(1.50)	ug/L
P124	Nickel	10.0	ug/L
P125	Selenium	ND(0.572)	ug/L
P126	Silver	3.00	ug/L
	Sodium	98,500	ug/L
P127	Thallium	ND(0.00900)	ug/L
	Tin	ND(3.45)	ug/L
	Titanium	2.00	ug/L
	Vanadium	ND(0.679)	ug/L
	Yttrium	ND(0.222)	ug/L
P128	Zinc	295	ug/L
	Aluminum, Dissolved	71.8	ug/L
P114	Antimony, Dissolved	ND(5.97)	ug/L
P115	Arsenic, Dissolved	ND(2.32)	ug/L
	Barium, Dissolved	11.1	ug/L
P117	Beryllium, Dissolved	ND(0.0540)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Total and Dissolved Metals			
	Boron, Dissolved	ND(3.37)	ug/L
P118	Cadmium, Dissolved	ND(0.446)	ug/L
	Calcium, Dissolved	8,940	ug/L
P119	Chromium, Dissolved	ND(1.68)	ug/L
	Cobalt, Dissolved	ND(0.914)	ug/L
P120	Copper, Dissolved	151	ug/L
	Iron, Dissolved	ND(19.8)	ug/L
P122	Lead, Dissolved	ND(3.08)	ug/L
	Magnesium, Dissolved	4,550	ug/L
	Manganese, Dissolved	5.50	ug/L
P123	Mercury, Dissolved	ND(0.0170)	ug/L
	Molybdenum, Dissolved	ND(1.50)	ug/L
P124	Nickel, Dissolved	5.50	ug/L
P125	Selenium, Dissolved	1.20	ug/L
P126	Silver, Dissolved	ND(1.28)	ug/L
	Sodium, Dissolved	77,600	ug/L
P127	Thallium, Dissolved	ND(0.00900)	ug/L
	Tin, Dissolved	ND(3.45)	ug/L
	Titanium, Dissolved	ND(0.253)	ug/L
	Vanadium, Dissolved	ND(0.679)	ug/L
	Yttrium, Dissolved	ND(0.222)	ug/L
P128	Zinc, Dissolved	150	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(10.0)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	ug/L
P013	1,1-Dichloroethane	ND(10.0)	ug/L
P029	1,1-Dichloroethene	ND(10.0)	ug/L
P008	1,2,4-Trichlorobenzene	ND(10.0)	ug/L
P025	1,2-Dichlorobenzene	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	ug/L
P032	1,2-Dichloropropane	ND(10.0)	ug/L
P026	1,3-Dichlorobenzene	ND(10.0)	ug/L
P027	1,4-Dichlorobenzene	ND(10.0)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(10.0)	ug/L
P021	2,4,6-Trichlorophenol	ND(10.0)	ug/L
P031	2,4-Dichlorophenol	ND(10.0)	ug/L
P034	2,4-Dimethylphenol	ND(10.0)	ug/L
P059	2,4-Dinitrophenol	ND(50.0)	ug/L
P035	2,4-Dinitrotoluene	ND(10.0)	ug/L
P036	2,6-Dinitrotoluene	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	ND(50.0)	ug/L
P020	2-Chloronaphthalene	ND(10.0)	ug/L
P024	2-Chlorophenol	ND(10.0)	ug/L
P057	2-Nitrophenol	ND(20.0)	ug/L
P028	3,3'-Dichlorobenzidine	ND(50.0)	ug/L
	4,6-Dinitro-2-methylphenol	ND(20.0)	ug/L
	4-Bromophenyl phenyl ether	ND(10.0)	ug/L
P022	4-Chloro-3-methylphenol	ND(10.0)	ug/L
	4-Chlorophenyl phenyl ether	ND(10.0)	ug/L
P058	4-Nitrophenol	ND(50.0)	ug/L
P001	Acenaphthene	ND(10.0)	ug/L
P077	Acenaphthylene	ND(10.0)	ug/L
P078	Anthracene	ND(10.0)	ug/L
P004	Benzene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Volatile and Semivolatile Organics			
P005	Benzidine	ND(50.0)	ug/L
P072	Benzo(a)anthracene	ND(10.0)	ug/L
P073	Benzo(a)pyrene	ND(10.0)	ug/L
P074	Benzo(b)fluoranthene	ND(10.0)	ug/L
	Benzo(g,h,i)perylene	ND(20.0)	ug/L
P075	Benzo(k)fluoranthene	ND(10.0)	ug/L
P043	Bis(2-chloroethoxy)methane	ND(10.0)	ug/L
	Bis(2-Chloroethyl)ether	ND(10.0)	ug/L
P066	Bis(2-ethylhexyl) phthalate	28.2	ug/L
P048	Bromodichloromethane	ND(10.0)	ug/L
	Bromoform	ND(10.0)	ug/L
P046	Bromomethane	ND(10.0)	ug/L
P067	Butyl benzyl phthalate	ND(10.0)	ug/L
	Carbon tetrachloride	ND(10.0)	ug/L
P007	Chlorobenzene	ND(10.0)	ug/L
P016	Chloroethane	ND(10.0)	ug/L
P023	Chloroform	117	ug/L
P045	Chloromethane	ND(10.0)	ug/L
P076	Chrysene	ND(10.0)	ug/L
	cis-1,3-Dichloropropene	ND(10.0)	ug/L
	Dibenz(a,h)anthracene	ND(20.0)	ug/L
P051	Dibromochloromethane	ND(10.0)	ug/L
P070	Diethyl phthalate	ND(10.0)	ug/L
P071	Dimethyl phthalate	ND(10.0)	ug/L
P068	Di-n-butyl phthalate	ND(10.0)	ug/L
P069	Di-n-octyl phthalate	ND(10.0)	ug/L
P038	Ethylbenzene	ND(10.0)	ug/L
P039	Fluoranthene	ND(10.0)	ug/L
P080	Fluorene	ND(10.0)	ug/L
P009	Hexachlorobenzene	ND(10.0)	ug/L
P052	Hexachlorobutadiene	ND(10.0)	ug/L
P053	Hexachlorocyclopentadiene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-9, Laundry Wastewater Overboard		Day 1 65733	Unit
Volatile and Semivolatile Organics			
P012	Hexachloroethane	ND(10.0)	ug/L
P083	Indeno(1,2,3-cd)pyrene	ND(20.0)	ug/L
P054	Isophorone	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	ug/L
P055	Naphthalene	ND(10.0)	ug/L
P056	Nitrobenzene	ND(10.0)	ug/L
P061	N-Nitrosodimethylamine	ND(50.0)	ug/L
	N-Nitroso Di-n-propylamine	ND(20.0)	ug/L
P062	N-Nitrosodiphenylamine	ND(20.0)	ug/L
P064	Pentachlorophenol	ND(50.0)	ug/L
P081	Phenanthrene	ND(10.0)	ug/L
P065	Phenol	94.9	ug/L
P084	Pyrene	ND(10.0)	ug/L
P085	Tetrachloroethene	ND(10.0)	ug/L
P086	Toluene	ND(10.0)	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	ug/L
P087	Trichloroethene	ND(10.0)	ug/L
	Trichlorofluoromethane	ND(10.0)	ug/L
P088	Vinyl chloride	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-10, Food Pulper Wastewater Overboard Discharge		Day 1 65737	Day 5 65760	Unit
Classical Pollutants				
	Alkalinity	ND(10.0)	NC	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	35.0	NC	mg/L
P121	Available Cyanide	2.54	NC	ug/L
	Biochemical Oxygen Demand (BOD)	2,160	NC	mg/L
	Chemical Oxygen Demand (COD)	2,150	NC	mg/L
	Chloride	973	NC	mg/L
	Hardness	676	NC	mg/L
	Hexane Extractable Material (HEM)	194	NC	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	ND(0.0500)	NC	mg/L
	Settleable residue	10.0	NC	mL/L
	Silica Gel Treated HEM (SGT-HEM)	ND(3.90)	NC	mg/L
	Sulfate	86.0	NC	mg/L
P121	Total Cyanide	ND(0.00500)	NC	mg/L
	Total Dissolved Solids (TDS)	2,720	NC	mg/L
	Total Kjeldahl Nitrogen (TKN)	98.7	NC	mg/L
	Total Organic Carbon (TOC)	848	NC	mg/L
	Total Phosphorus	17.7	NC	mg/L
	Total Suspended Solids (TSS)	242	NC	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-10, Food Pulper Wastewater Overboard Discharge		Day 1 65737	Day 5 65760	Unit
Total and Dissolved Metals				
	Aluminum	404	NC	ug/L
P114	Antimony	6.00	NC	ug/L
P115	Arsenic	ND(2.32)	NC	ug/L
	Barium	14.6	NC	ug/L
P117	Beryllium	ND(0.0540)	NC	ug/L
	Boron	526	NC	ug/L
P118	Cadmium	1.10	NC	ug/L
	Calcium	61,100	NC	ug/L
P119	Chromium	23.5	NC	ug/L
	Cobalt	2.70	NC	ug/L
P120	Copper	118	NC	ug/L
	Iron	59,100	NC	ug/L
P122	Lead	ND(3.08)	NC	ug/L
	Magnesium	127,000	NC	ug/L
	Manganese	260	NC	ug/L
P123	Mercury	0.0900	NC	ug/L
	Molybdenum	ND(1.50)	NC	ug/L
P124	Nickel	19.7	NC	ug/L
P125	Selenium	49.3	NC	ug/L
P126	Silver	ND(1.28)	NC	ug/L
	Sodium	954,000	NC	ug/L
P127	Thallium	0.0100	NC	ug/L
	Tin	7.00	NC	ug/L
	Titanium	ND(0.253)	NC	ug/L
	Vanadium	ND(0.679)	NC	ug/L
	Yttrium	ND(0.222)	NC	ug/L
P128	Zinc	20,300	NC	ug/L
	Aluminum, Dissolved	86.1	NC	ug/L
P114	Antimony, Dissolved	ND(5.97)	NC	ug/L
P115	Arsenic, Dissolved	ND(2.32)	NC	ug/L
	Barium, Dissolved	15.2	NC	ug/L
P117	Beryllium, Dissolved	ND(0.0540)	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65737	Day 5 65760	Unit
SP-10, Food Pulper Wastewater Overboard Discharge			
Total and Dissolved Metals			
Boron, Dissolved	ND(3.37)	NC	ug/L
P118 Cadmium, Dissolved	ND(0.446)	NC	ug/L
Calcium, Dissolved	66,900	NC	ug/L
P119 Chromium, Dissolved	7.70	NC	ug/L
Cobalt, Dissolved	4.10	NC	ug/L
P120 Copper, Dissolved	4.40	NC	ug/L
Iron, Dissolved	15,300	NC	ug/L
P122 Lead, Dissolved	ND(3.08)	NC	ug/L
Magnesium, Dissolved	30,300	NC	ug/L
Manganese, Dissolved	114	NC	ug/L
P123 Mercury, Dissolved	0.0700	NC	ug/L
Molybdenum, Dissolved	ND(1.50)	NC	ug/L
P124 Nickel, Dissolved	27.0	NC	ug/L
P125 Selenium, Dissolved	32.4	NC	ug/L
P126 Silver, Dissolved	ND(1.28)	NC	ug/L
Sodium, Dissolved	240,000	NC	ug/L
P127 Thallium, Dissolved	ND(0.00900)	NC	ug/L
Tin, Dissolved	5.10	NC	ug/L
Titanium, Dissolved	ND(10.0)	NC	ug/L
Vanadium, Dissolved	ND(0.679)	NC	ug/L
Yttrium, Dissolved	ND(0.222)	NC	ug/L
P128 Zinc, Dissolved	139,000	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-10, Food Pulper Wastewater Overboard Discharge		Day 1 65737	Day 5 65760	Unit
Volatile and Semitolatile Organics				
P011	1,1,1-Trichloroethane	ND(10.0)	NC	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	NC	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	NC	ug/L
P013	1,1-Dichloroethane	ND(10.0)	NC	ug/L
P029	1,1-Dichloroethene	ND(10.0)	NC	ug/L
P008	1,2,4-Trichlorobenzene	ND(10.0)	ND(10.0)	ug/L
P025	1,2-Dichlorobenzene	ND(10.0)	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	NC	ug/L
P032	1,2-Dichloropropane	ND(10.0)	NC	ug/L
P026	1,3-Dichlorobenzene	ND(10.0)	ND(10.0)	ug/L
P027	1,4-Dichlorobenzene	ND(10.0)	ND(10.0)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(10.0)	ND(10.0)	ug/L
P021	2,4,6-Trichlorophenol	ND(10.0)	ND(10.0)	ug/L
P031	2,4-Dichlorophenol	ND(10.0)	ND(10.0)	ug/L
P034	2,4-Dimethylphenol	ND(10.0)	ND(10.0)	ug/L
P059	2,4-Dinitrophenol	ND(50.0)	ND(50.0)	ug/L
P035	2,4-Dinitrotoluene	ND(10.0)	ND(10.0)	ug/L
P036	2,6-Dinitrotoluene	ND(10.0)	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	ND(50.0)	NC	ug/L
P020	2-Chloronaphthalene	ND(10.0)	ND(10.0)	ug/L
P024	2-Chlorophenol	ND(10.0)	ND(10.0)	ug/L
P057	2-Nitrophenol	ND(20.0)	ND(20.0)	ug/L
P028	3,3'-Dichlorobenzidine	ND(50.0)	ND(50.0)	ug/L
	4,6-Dinitro-2-methylphenol	ND(20.0)	ND(20.0)	ug/L
	4-Bromophenyl phenyl ether	ND(10.0)	ND(10.0)	ug/L
P022	4-Chloro-3-methylphenol	ND(10.0)	ND(10.0)	ug/L
	4-Chlorophenyl phenyl ether	ND(10.0)	ND(10.0)	ug/L
P058	4-Nitrophenol	ND(50.0)	ND(50.0)	ug/L
P001	Acenaphthene	ND(10.0)	ND(10.0)	ug/L
P077	Acenaphthylene	ND(10.0)	ND(10.0)	ug/L
P078	Anthracene	ND(10.0)	ND(10.0)	ug/L
P004	Benzene	ND(10.0)	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-10, Food Pulper Wastewater Overboard Discharge	Day 1 65737	Day 5 65760	Unit
Volatile and Semivolatile Organics			
P005 Benzidine	ND(50.0)	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	ND(10.0)	ND(10.0)	ug/L
P048 Bromodichloromethane	ND(10.0)	NC	ug/L
Bromoform	ND(10.0)	NC	ug/L
P046 Bromomethane	ND(10.0)	NC	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	NC	ug/L
P007 Chlorobenzene	ND(10.0)	NC	ug/L
P016 Chloroethane	ND(10.0)	NC	ug/L
P023 Chloroform	ND(10.0)	NC	ug/L
P045 Chloromethane	ND(10.0)	NC	ug/L
P076 Chrysene	ND(10.0)	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	NC	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	NC	ug/L
P070 Diethyl phthalate	ND(10.0)	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	NC	ug/L
P039 Fluoranthene	ND(10.0)	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-10, Food Pulper Wastewater Overboard Discharge		Day 1 65737	Day 5 65760	Unit
Volatile and Semivolatile Organics				
P012	Hexachloroethane	ND(10.0)	ND(10.0)	ug/L
P083	Indeno(1,2,3-cd)pyrene	ND(20.0)	ND(20.0)	ug/L
P054	Isophorone	ND(10.0)	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	NC	ug/L
P055	Naphthalene	ND(10.0)	ND(10.0)	ug/L
P056	Nitrobenzene	ND(10.0)	ND(10.0)	ug/L
P061	N-Nitrosodimethylamine	ND(50.0)	ND(50.0)	ug/L
	N-Nitroso Di-n-propylamine	ND(20.0)	ND(20.0)	ug/L
P062	N-Nitrosodiphenylamine	ND(20.0)	ND(20.0)	ug/L
P064	Pentachlorophenol	ND(50.0)	ND(50.0)	ug/L
P081	Phenanthrene	ND(10.0)	ND(10.0)	ug/L
P065	Phenol	ND(10.0)	ND(10.0)	ug/L
P084	Pyrene	ND(10.0)	ND(10.0)	ug/L
P085	Tetrachloroethene	ND(10.0)	NC	ug/L
P086	Toluene	ND(10.0)	NC	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	NC	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	NC	ug/L
P087	Trichloroethene	ND(10.0)	NC	ug/L
	Trichlorofluoromethane	ND(10.0)	NC	ug/L
P088	Vinyl chloride	ND(10.0)	NC	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 3	Unit
SP-11, Screening Solids		65741	
Classical Pollutants			
	Alkalinity	892	mg/L
	Ammonia As Nitrogen (NH ₃ -N)	318	mg/L
P121	Available Cyanide	0.149	ug/L
	Chemical Oxygen Demand (COD)	124,000	mg/L
	Chloride	933	mg/L
	Nitrate/Nitrite (NO ₂ + NO ₃ -N)	1.35	mg/L
	Sulfate	1,320	mg/L
P121	Total Cyanide	ND(1.00)	mg/L
	Total Kjeldahl Nitrogen (TKN)	1,740	mg/L
	Total Organic Carbon (TOC)	151,000	mg/L
	Total Phosphorus	930	mg/L
	Total Solids	33.8	%

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-11, Screening Solids		Day 3 65741	Unit
Total and Dissolved Metals			
	Aluminum	266,000	ug/L
P114	Antimony	ND(201)	ug/L
P115	Arsenic	ND(198)	ug/L
	Barium	3,730	ug/L
P117	Beryllium	ND(11.7)	ug/L
	Boron	ND(457)	ug/L
P118	Cadmium	88.5	ug/L
	Calcium	1,750,000	ug/L
P119	Chromium	1,490	ug/L
	Cobalt	ND(23.3)	ug/L
P120	Copper	64,800	ug/L
	Iron	123,000	ug/L
P122	Lead	ND(106)	ug/L
	Magnesium	834,000	ug/L
	Manganese	6,380	ug/L
P123	Mercury	ND(1.86)	ug/L
	Molybdenum	ND(55.9)	ug/L
P124	Nickel	1,350	ug/L
P125	Selenium	513	ug/L
P126	Silver	350	ug/L
	Sodium	951,000	ug/L
P127	Thallium	ND(1.17)	ug/L
	Tin	ND(231)	ug/L
	Titanium	1,300	ug/L
	Vanadium	1,170	ug/L
	Yttrium	ND(11.7)	ug/L
P128	Zinc	90,400	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-11, Screening Solids		Day 3 65741	Unit
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(5.04)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(5.04)	ug/L
P014	1,1,2-Trichloroethane	ND(5.04)	ug/L
P013	1,1-Dichloroethane	ND(5.04)	ug/L
P029	1,1-Dichloroethene	ND(5.04)	ug/L
P008	1,2,4-Trichlorobenzene	ND(333)	ug/L
P025	1,2-Dichlorobenzene	ND(333)	ug/L
P010	1,2-Dichloroethane	ND(5.04)	ug/L
P032	1,2-Dichloropropane	ND(5.04)	ug/L
P026	1,3-Dichlorobenzene	ND(333)	ug/L
P027	1,4-Dichlorobenzene	ND(333)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(333)	ug/L
P021	2,4,6-Trichlorophenol	ND(333)	ug/L
P031	2,4-Dichlorophenol	ND(333)	ug/L
P034	2,4-Dimethylphenol	ND(333)	ug/L
P059	2,4-Dinitrophenol	ND(1,670)	ug/L
P035	2,4-Dinitrotoluene	ND(333)	ug/L
P036	2,6-Dinitrotoluene	ND(333)	ug/L
P019	2-Chloroethyl vinyl ether	EXCLUDE	ug/L
P020	2-Chloronaphthalene	ND(333)	ug/L
P024	2-Chlorophenol	ND(333)	ug/L
P057	2-Nitrophenol	ND(667)	ug/L
P028	3,3'-Dichlorobenzidine	ND(1,670)	ug/L
	4,6-Dinitro-2-methylphenol	ND(667)	ug/L
	4-Bromophenyl phenyl ether	ND(333)	ug/L
P022	4-Chloro-3-methylphenol	ND(333)	ug/L
	4-Chlorophenyl phenyl ether	ND(333)	ug/L
P058	4-Nitrophenol	ND(1,670)	ug/L
P001	Acenaphthene	ND(333)	ug/L
P077	Acenaphthylene	ND(333)	ug/L
P078	Anthracene	ND(333)	ug/L
P004	Benzene	ND(5.04)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-11, Screening Solids	Day 3 65741	Unit
Volatile and Semivolatile Organics		
P005 Benzidine	ND(1,670)	ug/L
P072 Benzo(a)anthracene	ND(333)	ug/L
P073 Benzo(a)pyrene	ND(333)	ug/L
P074 Benzo(b)fluoranthene	ND(333)	ug/L
Benzo(g,h,i)perylene	ND(667)	ug/L
P075 Benzo(k)fluoranthene	ND(333)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(333)	ug/L
Bis(2-Chloroethyl)ether	ND(333)	ug/L
P066 Bis(2-ethylhexyl) phthalate	18,500	ug/L
P048 Bromodichloromethane	ND(5.04)	ug/L
Bromoform	ND(5.04)	ug/L
P046 Bromomethane	36.7	ug/L
P067 Butyl benzyl phthalate	ND(333)	ug/L
Carbon tetrachloride	ND(5.04)	ug/L
P007 Chlorobenzene	ND(5.04)	ug/L
P016 Chloroethane	ND(5.04)	ug/L
P023 Chloroform	ND(5.04)	ug/L
P045 Chloromethane	ND(5.04)	ug/L
P076 Chrysene	ND(333)	ug/L
cis-1,3-Dichloropropene	ND(5.04)	ug/L
Dibenz(a,h)anthracene	ND(667)	ug/L
P051 Dibromochloromethane	ND(5.04)	ug/L
P070 Diethyl phthalate	ND(333)	ug/L
P071 Dimethyl phthalate	ND(333)	ug/L
P068 Di-n-butyl phthalate	ND(333)	ug/L
P069 Di-n-octyl phthalate	ND(333)	ug/L
P038 Ethylbenzene	ND(5.04)	ug/L
P039 Fluoranthene	ND(333)	ug/L
P080 Fluorene	ND(333)	ug/L
P009 Hexachlorobenzene	ND(333)	ug/L
P052 Hexachlorobutadiene	ND(333)	ug/L
P053 Hexachlorocyclopentadiene	ND(333)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-11, Screening Solids		Day 3 65741	Unit
Volatile and Semivolatile Organics			
P012	Hexachloroethane	ND(333)	ug/L
P083	Indeno(1,2,3-cd)pyrene	ND(667)	ug/L
P054	Isophorone	ND(333)	ug/L
P044	Methylene chloride	ND(5.04)	ug/L
P055	Naphthalene	ND(333)	ug/L
P056	Nitrobenzene	ND(333)	ug/L
P061	N-Nitrosodimethylamine	ND(1,670)	ug/L
	N-Nitroso Di-n-propylamine	ND(667)	ug/L
P062	N-Nitrosodiphenylamine	ND(667)	ug/L
P064	Pentachlorophenol	ND(1,670)	ug/L
P081	Phenanthrene	ND(333)	ug/L
P065	Phenol	822	ug/L
P084	Pyrene	ND(333)	ug/L
P085	Tetrachloroethene	12.0	ug/L
P086	Toluene	68.5	ug/L
P030	trans-1,2-Dichloroethene	ND(5.04)	ug/L
P033	trans-1,3-Dichloropropene	ND(5.04)	ug/L
P087	Trichloroethene	ND(5.04)	ug/L
	Trichlorofluoromethane	ND(5.04)	ug/L
P088	Vinyl chloride	ND(5.04)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 1	Unit
SP-12, Waste Biosludge (Desludge) Discharge		65745	
Classical Pollutants			
	Alkalinity	810	mg/L
	Ammonia As Nitrogen (NH3-N)	40.1	mg/L
P121	Available Cyanide	15.2	ug/L
	Chemical Oxygen Demand (COD)	14,400	mg/L
	Chloride	1,120	mg/L
	Hardness	1,640	mg/L
	Nitrate/Nitrite (NO2 + NO3-N)	0.240	mg/L
	Sulfate	163	mg/L
P121	Total Cyanide	0.0110	mg/L
	Total Dissolved Solids (TDS)	1,280	mg/L
	Total Kjeldahl Nitrogen (TKN)	561	mg/L
	Total Organic Carbon (TOC)	2,730	mg/L
	Total Phosphorus	173	mg/L
	Total Suspended Solids (TSS)	15,800	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-12, Waste Biosludge (Desludge) Discharge		Day 1 65745	Unit
Total and Dissolved Metals			
	Aluminum	120,000	ug/L
P114	Antimony	74.0	ug/L
P115	Arsenic	12.0	ug/L
	Barium	1,790	ug/L
P117	Beryllium	1.00	ug/L
	Boron	858	ug/L
P118	Cadmium	25.0	ug/L
	Calcium	316,000	ug/L
P119	Chromium	282	ug/L
	Cobalt	26.0	ug/L
P120	Copper	21,400	ug/L
	Iron	20,500	ug/L
P122	Lead	319	ug/L
	Magnesium	206,000	ug/L
	Manganese	1,750	ug/L
P123	Mercury	ND(0.0170)	ug/L
	Molybdenum	95.0	ug/L
P124	Nickel	310	ug/L
P125	Selenium	69.0	ug/L
P126	Silver	52.0	ug/L
	Sodium	697,000	ug/L
P127	Thallium	ND(0.00900)	ug/L
	Tin	77.0	ug/L
	Titanium	5.00	ug/L
	Vanadium	272	ug/L
	Yttrium	6.00	ug/L
P128	Zinc	31,000	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-12, Waste Biosludge (Desludge) Discharge		Day 1 65745	Unit
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(10.0)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	ug/L
P013	1,1-Dichloroethane	ND(10.0)	ug/L
P029	1,1-Dichloroethene	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	ug/L
P032	1,2-Dichloropropane	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	ND(50.0)	ug/L
P004	Benzene	ND(10.0)	ug/L
P048	Bromodichloromethane	ND(10.0)	ug/L
	Bromoform	ND(10.0)	ug/L
P046	Bromomethane	ND(10.0)	ug/L
	Carbon tetrachloride	ND(10.0)	ug/L
P007	Chlorobenzene	ND(10.0)	ug/L
P016	Chloroethane	ND(10.0)	ug/L
P023	Chloroform	ND(10.0)	ug/L
P045	Chloromethane	ND(10.0)	ug/L
	cis-1,3-Dichloropropene	ND(10.0)	ug/L
P051	Dibromochloromethane	ND(10.0)	ug/L
P038	Ethylbenzene	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	ug/L
P085	Tetrachloroethene	14.8	ug/L
P086	Toluene	ND(10.0)	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	ug/L
P087	Trichloroethene	ND(10.0)	ug/L
	Trichlorofluoromethane	ND(10.0)	ug/L
P088	Vinyl chloride	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 3	Unit
SP-13, Incinerator Ash	65749	
Total and Dissolved Metals		
Aluminum	67,100	mg/kg
P114 Antimony	7.50	mg/kg
P115 Arsenic	1.40	mg/kg
Barium	381	mg/kg
P117 Beryllium	0.510	mg/kg
Boron	107	mg/kg
P118 Cadmium	0.500	mg/kg
Calcium	257,000	mg/kg
P119 Chromium	87.1	mg/kg
Cobalt	8.90	mg/kg
P120 Copper	1,290	mg/kg
Iron	11,500	mg/kg
P122 Lead	18.9	mg/kg
Magnesium	10,100	mg/kg
Manganese	542	mg/kg
P123 Mercury	ND(0.00400)	mg/kg
Molybdenum	10.1	mg/kg
P124 Nickel	37.1	mg/kg
P125 Selenium	ND(0.0291)	mg/kg
P126 Silver	9.70	mg/kg
Sodium	14,300	mg/kg
P127 Thallium	ND(0.00250)	mg/kg
Tin	58.4	mg/kg
Titanium	1,890	mg/kg
Vanadium	29.9	mg/kg
Yttrium	3.40	mg/kg
P128 Zinc	1,470	mg/kg

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 3 65749	Unit
SP-13, Incinerator Ash		
Volatile and Semivolatile Organics		
P008 1,2,4-Trichlorobenzene	ND(346)	ug/kg
P025 1,2-Dichlorobenzene	ND(346)	ug/kg
P026 1,3-Dichlorobenzene	ND(346)	ug/kg
P027 1,4-Dichlorobenzene	ND(346)	ug/kg
P042 2,2'-Oxybis(1-chloropropane)	ND(346)	ug/kg
P021 2,4,6-Trichlorophenol	ND(346)	ug/kg
P031 2,4-Dichlorophenol	ND(346)	ug/kg
P034 2,4-Dimethylphenol	ND(346)	ug/kg
P059 2,4-Dinitrophenol	ND(1,730)	ug/kg
P035 2,4-Dinitrotoluene	ND(346)	ug/kg
P036 2,6-Dinitrotoluene	ND(346)	ug/kg
P020 2-Chloronaphthalene	ND(346)	ug/kg
P024 2-Chlorophenol	ND(346)	ug/kg
P057 2-Nitrophenol	ND(692)	ug/kg
P028 3,3'-Dichlorobenzidine	ND(1,730)	ug/kg
4,6-Dinitro-2-methylphenol	ND(692)	ug/kg
4-Bromophenyl phenyl ether	ND(346)	ug/kg
P022 4-Chloro-3-methylphenol	ND(346)	ug/kg
4-Chlorophenyl phenyl ether	ND(346)	ug/kg
P058 4-Nitrophenol	ND(1,730)	ug/kg
P001 Acenaphthene	ND(346)	ug/kg
P077 Acenaphthylene	ND(346)	ug/kg
P078 Anthracene	ND(346)	ug/kg
P005 Benzidine	EXCLUDE	ug/L
P072 Benzo(a)anthracene	ND(346)	ug/kg
P073 Benzo(a)pyrene	ND(346)	ug/kg
P074 Benzo(b)fluoranthene	ND(346)	ug/kg
Benzo(g,h,i)perylene	ND(692)	ug/kg
P075 Benzo(k)fluoranthene	ND(346)	ug/kg
P043 Bis(2-chloroethoxy)methane	ND(346)	ug/kg
Bis(2-Chloroethyl)ether	ND(346)	ug/kg
P066 Bis(2-ethylhexyl) phthalate	17,600	ug/kg

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 3 65749	Unit
SP-13, Incinerator Ash		
Volatile and Semivolatile Organics		
P067 Butyl benzyl phthalate	ND(346)	ug/kg
P076 Chrysene	ND(346)	ug/kg
Dibenz(a,h)anthracene	ND(692)	ug/kg
P070 Diethyl phthalate	ND(346)	ug/kg
P071 Dimethyl phthalate	ND(346)	ug/kg
P068 Di-n-butyl phthalate	ND(346)	ug/kg
P069 Di-n-octyl phthalate	ND(346)	ug/kg
P039 Fluoranthene	ND(346)	ug/kg
P080 Fluorene	ND(346)	ug/kg
P009 Hexachlorobenzene	ND(346)	ug/kg
P052 Hexachlorobutadiene	ND(346)	ug/kg
P053 Hexachlorocyclopentadiene	ND(346)	ug/kg
P012 Hexachloroethane	ND(346)	ug/kg
P083 Indeno(1,2,3-cd)pyrene	ND(692)	ug/kg
P054 Isophorone	ND(346)	ug/kg
P055 Naphthalene	ND(346)	ug/kg
P056 Nitrobenzene	ND(346)	ug/kg
P061 N-Nitrosodimethylamine	ND(1,730)	ug/kg
N-Nitroso Di-n-propylamine	ND(692)	ug/kg
P062 N-Nitrosodiphenylamine	ND(692)	ug/kg
P064 Pentachlorophenol	ND(1,730)	ug/kg
P081 Phenanthrene	ND(346)	ug/kg
P065 Phenol	976	ug/kg
P084 Pyrene	ND(346)	ug/kg

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 3 65749	Unit
SP-13, Incinerator Ash		
Dioxins and Furans		
1,2,3,4,6,7,8-HpCDD	92.9	pg/g
1,2,3,4,6,7,8-HpCDF	292	pg/g
1,2,3,4,7,8,9-HpCDF	31.6	pg/g
1,2,3,4,7,8-HxCDD	12.4	pg/g
1,2,3,4,7,8-HxCDF	92.5	pg/g
1,2,3,6,7,8-HxCDD	22.4	pg/g
1,2,3,6,7,8-HxCDF	104	pg/g
1,2,3,7,8,9-HxCDD	41.0	pg/g
1,2,3,7,8,9-HxCDF	7.30	pg/g
1,2,3,7,8-PeCDD	20.9	pg/g
1,2,3,7,8-PeCDF	108	pg/g
2,3,4,6,7,8-HxCDF	118	pg/g
2,3,4,7,8-PeCDF	129	pg/g
2,3,7,8-TCDD	ND(2.18)	pg/g
2,3,7,8-TCDF	136	pg/g
Octachlorodibenzo-p-dioxin	101	pg/g
Octachlorodibenzofuran	76.1	pg/g

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
NC - Not collected.
ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water		Day 2 65753	Unit
Classical Pollutants			
	Ammonia As Nitrogen (NH3-N)	0.0350	mg/L
P121	Available Cyanide	ND(2.00)	ug/L
	Biochemical Oxygen Demand (BOD)	ND(2.00)	mg/L
	Chemical Oxygen Demand (COD)	ND(10.0)	mg/L
	Hardness	16.9	mg/L
	Nitrate/Nitrite (NO2 + NO3-N)	ND(0.0500)	mg/L
	Settleable residue	ND(0.100)	mL/L
P121	Total Cyanide	ND(0.00500)	mg/L
	Total Kjeldahl Nitrogen (TKN)	0.300	mg/L
	Total Organic Carbon (TOC)	ND(1.00)	mg/L
	Total Phosphorus	ND(0.0100)	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water		Day 2 65753	Unit
Total and Dissolved Metals			
	Aluminum	ND(9.93)	ug/L
P114	Antimony	ND(5.97)	ug/L
P115	Arsenic	ND(2.32)	ug/L
	Barium	ND(0.0970)	ug/L
P117	Beryllium	ND(0.0540)	ug/L
	Boron	ND(3.37)	ug/L
P118	Cadmium	ND(0.446)	ug/L
	Calcium	6,470	ug/L
P119	Chromium	ND(1.68)	ug/L
	Cobalt	ND(0.914)	ug/L
P120	Copper	412	ug/L
	Iron	ND(19.8)	ug/L
P122	Lead	ND(3.08)	ug/L
	Magnesium	191	ug/L
	Manganese	ND(0.157)	ug/L
P123	Mercury	0.100	ug/L
	Molybdenum	ND(1.50)	ug/L
P124	Nickel	ND(2.66)	ug/L
P125	Selenium	0.970	ug/L
P126	Silver	ND(1.28)	ug/L
	Sodium	2,110	ug/L
P127	Thallium	ND(0.00900)	ug/L
	Tin	ND(3.45)	ug/L
	Titanium	ND(0.253)	ug/L
	Vanadium	ND(0.679)	ug/L
	Yttrium	ND(0.222)	ug/L
P128	Zinc	23.0	ug/L
	Aluminum, Dissolved	ND(9.93)	ug/L
P114	Antimony, Dissolved	ND(5.97)	ug/L
P115	Arsenic, Dissolved	ND(2.32)	ug/L
	Barium, Dissolved	ND(0.0970)	ug/L
P117	Beryllium, Dissolved	ND(0.0540)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water		Day 2 65753	Unit
Total and Dissolved Metals			
	Boron, Dissolved	ND(3.37)	ug/L
P118	Cadmium, Dissolved	ND(0.446)	ug/L
	Calcium, Dissolved	6,450	ug/L
P119	Chromium, Dissolved	ND(1.68)	ug/L
	Cobalt, Dissolved	1.20	ug/L
P120	Copper, Dissolved	479	ug/L
	Iron, Dissolved	27.9	ug/L
P122	Lead, Dissolved	ND(3.08)	ug/L
	Magnesium, Dissolved	197	ug/L
	Manganese, Dissolved	2.40	ug/L
P123	Mercury, Dissolved	0.0800	ug/L
	Molybdenum, Dissolved	ND(1.50)	ug/L
P124	Nickel, Dissolved	2.80	ug/L
P125	Selenium, Dissolved	ND(0.572)	ug/L
P126	Silver, Dissolved	ND(1.28)	ug/L
	Sodium, Dissolved	2,100	ug/L
P127	Thallium, Dissolved	ND(0.00900)	ug/L
	Tin, Dissolved	ND(3.45)	ug/L
	Titanium, Dissolved	ND(10.0)	ug/L
	Vanadium, Dissolved	ND(0.679)	ug/L
	Yttrium, Dissolved	2.00	ug/L
P128	Zinc, Dissolved	33.0	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water		Day 2 65753	Unit
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(10.0)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	ug/L
P013	1,1-Dichloroethane	ND(10.0)	ug/L
P029	1,1-Dichloroethene	ND(10.0)	ug/L
P008	1,2,4-Trichlorobenzene	ND(10.0)	ug/L
P025	1,2-Dichlorobenzene	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	ug/L
P032	1,2-Dichloropropane	ND(10.0)	ug/L
P026	1,3-Dichlorobenzene	ND(10.0)	ug/L
P027	1,4-Dichlorobenzene	ND(10.0)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(10.0)	ug/L
P021	2,4,6-Trichlorophenol	ND(10.0)	ug/L
P031	2,4-Dichlorophenol	ND(10.0)	ug/L
P034	2,4-Dimethylphenol	ND(10.0)	ug/L
P059	2,4-Dinitrophenol	ND(50.0)	ug/L
P035	2,4-Dinitrotoluene	ND(10.0)	ug/L
P036	2,6-Dinitrotoluene	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	ND(50.0)	ug/L
P020	2-Chloronaphthalene	ND(10.0)	ug/L
P024	2-Chlorophenol	ND(10.0)	ug/L
P057	2-Nitrophenol	ND(20.0)	ug/L
P028	3,3'-Dichlorobenzidine	ND(50.0)	ug/L
	4,6-Dinitro-2-methylphenol	ND(20.0)	ug/L
	4-Bromophenyl phenyl ether	ND(10.0)	ug/L
P022	4-Chloro-3-methylphenol	ND(10.0)	ug/L
	4-Chlorophenyl phenyl ether	ND(10.0)	ug/L
P058	4-Nitrophenol	ND(50.0)	ug/L
P001	Acenaphthene	ND(10.0)	ug/L
P077	Acenaphthylene	ND(10.0)	ug/L
P078	Anthracene	ND(10.0)	ug/L
P004	Benzene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water	Day 2 65753	Unit
Volatile and Semivolatile Organics		
P005 Benzidine	ND(50.0)	ug/L
P072 Benzo(a)anthracene	ND(10.0)	ug/L
P073 Benzo(a)pyrene	ND(10.0)	ug/L
P074 Benzo(b)fluoranthene	ND(10.0)	ug/L
Benzo(g,h,i)perylene	ND(20.0)	ug/L
P075 Benzo(k)fluoranthene	ND(10.0)	ug/L
P043 Bis(2-chloroethoxy)methane	ND(10.0)	ug/L
Bis(2-Chloroethyl)ether	ND(10.0)	ug/L
P066 Bis(2-ethylhexyl) phthalate	ND(10.0)	ug/L
P048 Bromodichloromethane	ND(10.0)	ug/L
Bromoform	ND(10.0)	ug/L
P046 Bromomethane	ND(10.0)	ug/L
P067 Butyl benzyl phthalate	ND(10.0)	ug/L
Carbon tetrachloride	ND(10.0)	ug/L
P007 Chlorobenzene	ND(10.0)	ug/L
P016 Chloroethane	ND(10.0)	ug/L
P023 Chloroform	ND(10.0)	ug/L
P045 Chloromethane	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ug/L
cis-1,3-Dichloropropene	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ug/L
P051 Dibromochloromethane	ND(10.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ug/L
P038 Ethylbenzene	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Source Water		Day 2 65753	Unit
Volatile and Semivolatile Organics			
P012	Hexachloroethane	ND(10.0)	ug/L
P083	Indeno(1,2,3-cd)pyrene	ND(20.0)	ug/L
P054	Isophorone	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	ug/L
P055	Naphthalene	ND(10.0)	ug/L
P056	Nitrobenzene	ND(10.0)	ug/L
P061	N-Nitrosodimethylamine	ND(50.0)	ug/L
	N-Nitroso Di-n-propylamine	ND(20.0)	ug/L
P062	N-Nitrosodiphenylamine	ND(20.0)	ug/L
P064	Pentachlorophenol	ND(50.0)	ug/L
P081	Phenanthrene	ND(10.0)	ug/L
P065	Phenol	53.0	ug/L
P084	Pyrene	ND(10.0)	ug/L
P085	Tetrachloroethene	ND(10.0)	ug/L
P086	Toluene	ND(10.0)	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	ug/L
P087	Trichloroethene	ND(10.0)	ug/L
	Trichlorofluoromethane	ND(10.0)	ug/L
P088	Vinyl chloride	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-14, Duplicate of Source Water	Day 2 65764	Unit
Classical Pollutants Settleable residue	ND(0.100)	mL/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

		Day 5 65757	Unit
SP-15, Trip Blank			
Volatile and Semivolatile Organics			
P011	1,1,1-Trichloroethane	ND(10.0)	ug/L
P015	1,1,2,2-Tetrachloroethane	ND(10.0)	ug/L
P014	1,1,2-Trichloroethane	ND(10.0)	ug/L
P013	1,1-Dichloroethane	ND(10.0)	ug/L
P029	1,1-Dichloroethene	ND(10.0)	ug/L
P010	1,2-Dichloroethane	ND(10.0)	ug/L
P032	1,2-Dichloropropane	ND(10.0)	ug/L
P019	2-Chloroethyl vinyl ether	ND(50.0)	ug/L
P004	Benzene	ND(10.0)	ug/L
P048	Bromodichloromethane	ND(10.0)	ug/L
	Bromoform	ND(10.0)	ug/L
P046	Bromomethane	ND(10.0)	ug/L
	Carbon tetrachloride	ND(10.0)	ug/L
P007	Chlorobenzene	ND(10.0)	ug/L
P016	Chloroethane	ND(10.0)	ug/L
P023	Chloroform	ND(10.0)	ug/L
P045	Chloromethane	ND(10.0)	ug/L
	cis-1,3-Dichloropropene	ND(10.0)	ug/L
P051	Dibromochloromethane	ND(10.0)	ug/L
P038	Ethylbenzene	ND(10.0)	ug/L
P044	Methylene chloride	ND(10.0)	ug/L
P085	Tetrachloroethene	ND(10.0)	ug/L
P086	Toluene	ND(10.0)	ug/L
P030	trans-1,2-Dichloroethene	ND(10.0)	ug/L
P033	trans-1,3-Dichloropropene	ND(10.0)	ug/L
P087	Trichloroethene	ND(10.0)	ug/L
	Trichlorofluoromethane	ND(10.0)	ug/L
P088	Vinyl chloride	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-16, Equipment Blank	Day 1	Unit
	65761	
Classical Pollutants		
Hardness	ND(0.0130)	mg/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65761	Unit
SP-16, Equipment Blank		
Total and Dissolved Metals		
Aluminum	ND(9.93)	ug/L
P114 Antimony	ND(5.97)	ug/L
P115 Arsenic	ND(2.32)	ug/L
Barium	4.00	ug/L
P117 Beryllium	0.150	ug/L
Boron	ND(3.37)	ug/L
P118 Cadmium	ND(0.446)	ug/L
Calcium	ND(13.3)	ug/L
P119 Chromium	ND(1.68)	ug/L
Cobalt	ND(0.914)	ug/L
P120 Copper	ND(0.819)	ug/L
Iron	ND(19.8)	ug/L
P122 Lead	4.00	ug/L
Magnesium	ND(10.2)	ug/L
Manganese	2.00	ug/L
P123 Mercury	0.0200	ug/L
Molybdenum	ND(1.50)	ug/L
P124 Nickel	ND(2.66)	ug/L
P125 Selenium	ND(0.572)	ug/L
P126 Silver	ND(1.28)	ug/L
Sodium	ND(49.5)	ug/L
P127 Thallium	ND(0.00900)	ug/L
Tin	ND(3.45)	ug/L
Titanium	ND(0.253)	ug/L
Vanadium	ND(0.679)	ug/L
Yttrium	ND(0.222)	ug/L
P128 Zinc	11.0	ug/L
Aluminum, Dissolved	ND(9.93)	ug/L
P114 Antimony, Dissolved	ND(5.97)	ug/L
P115 Arsenic, Dissolved	ND(2.32)	ug/L
Barium, Dissolved	28.3	ug/L
P117 Beryllium, Dissolved	ND(0.0540)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65761	Unit
SP-16, Equipment Blank		
Total and Dissolved Metals		
Boron, Dissolved	ND(3.37)	ug/L
P118 Cadmium, Dissolved	ND(0.446)	ug/L
Calcium, Dissolved	ND(13.3)	ug/L
P119 Chromium, Dissolved	ND(1.68)	ug/L
Cobalt, Dissolved	ND(0.914)	ug/L
P120 Copper, Dissolved	3.60	ug/L
Iron, Dissolved	ND(19.8)	ug/L
P122 Lead, Dissolved	23.7	ug/L
Magnesium, Dissolved	ND(10.2)	ug/L
Manganese, Dissolved	1.10	ug/L
P123 Mercury, Dissolved	0.0200	ug/L
Molybdenum, Dissolved	ND(1.50)	ug/L
P124 Nickel, Dissolved	ND(2.66)	ug/L
P125 Selenium, Dissolved	ND(0.572)	ug/L
P126 Silver, Dissolved	ND(1.28)	ug/L
Sodium, Dissolved	ND(49.5)	ug/L
P127 Thallium, Dissolved	0.0200	ug/L
Tin, Dissolved	ND(3.45)	ug/L
Titanium, Dissolved	ND(0.253)	ug/L
Vanadium, Dissolved	ND(0.679)	ug/L
Yttrium, Dissolved	ND(0.222)	ug/L
P128 Zinc, Dissolved	25.8	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).
 NC - Not collected.
 ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

SP-16, Equipment Blank		Day 1 65761	Unit
Volatile and Semivolatile Organics			
P008	1,2,4-Trichlorobenzene	ND(10.0)	ug/L
P025	1,2-Dichlorobenzene	ND(10.0)	ug/L
P026	1,3-Dichlorobenzene	ND(10.0)	ug/L
P027	1,4-Dichlorobenzene	ND(10.0)	ug/L
P042	2,2'-Oxybis(1-chloropropane)	ND(10.0)	ug/L
P021	2,4,6-Trichlorophenol	ND(10.0)	ug/L
P031	2,4-Dichlorophenol	ND(10.0)	ug/L
P034	2,4-Dimethylphenol	ND(10.0)	ug/L
P059	2,4-Dinitrophenol	ND(50.0)	ug/L
P035	2,4-Dinitrotoluene	ND(10.0)	ug/L
P036	2,6-Dinitrotoluene	ND(10.0)	ug/L
P020	2-Chloronaphthalene	ND(10.0)	ug/L
P024	2-Chlorophenol	ND(10.0)	ug/L
P057	2-Nitrophenol	ND(20.0)	ug/L
P028	3,3'-Dichlorobenzidine	ND(50.0)	ug/L
	4,6-Dinitro-2-methylphenol	ND(20.0)	ug/L
	4-Bromophenyl phenyl ether	ND(10.0)	ug/L
P022	4-Chloro-3-methylphenol	ND(10.0)	ug/L
	4-Chlorophenyl phenyl ether	ND(10.0)	ug/L
P058	4-Nitrophenol	ND(50.0)	ug/L
P001	Acenaphthene	ND(10.0)	ug/L
P077	Acenaphthylene	ND(10.0)	ug/L
P078	Anthracene	ND(10.0)	ug/L
P005	Benzidine	ND(50.0)	ug/L
P072	Benzo(a)anthracene	ND(10.0)	ug/L
P073	Benzo(a)pyrene	ND(10.0)	ug/L
P074	Benzo(b)fluoranthene	ND(10.0)	ug/L
	Benzo(g,h,i)perylene	ND(20.0)	ug/L
P075	Benzo(k)fluoranthene	ND(10.0)	ug/L
P043	Bis(2-chloroethoxy)methane	ND(10.0)	ug/L
	Bis(2-Chloroethyl)ether	ND(10.0)	ug/L
P066	Bis(2-ethylhexyl) phthalate	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

**Appendix A-2
(continued)
Analytical Results, Except Microbiologicals
Island Princess**

	Day 1 65761	Unit
SP-16, Equipment Blank		
Volatile and Semivolatile Organics		
P067 Butyl benzyl phthalate	ND(10.0)	ug/L
P076 Chrysene	ND(10.0)	ug/L
Dibenz(a,h)anthracene	ND(20.0)	ug/L
P070 Diethyl phthalate	ND(10.0)	ug/L
P071 Dimethyl phthalate	ND(10.0)	ug/L
P068 Di-n-butyl phthalate	ND(10.0)	ug/L
P069 Di-n-octyl phthalate	ND(10.0)	ug/L
P039 Fluoranthene	ND(10.0)	ug/L
P080 Fluorene	ND(10.0)	ug/L
P009 Hexachlorobenzene	ND(10.0)	ug/L
P052 Hexachlorobutadiene	ND(10.0)	ug/L
P053 Hexachlorocyclopentadiene	ND(10.0)	ug/L
P012 Hexachloroethane	ND(10.0)	ug/L
P083 Indeno(1,2,3-cd)pyrene	ND(20.0)	ug/L
P054 Isophorone	ND(10.0)	ug/L
P055 Naphthalene	ND(10.0)	ug/L
P056 Nitrobenzene	ND(10.0)	ug/L
P061 N-Nitrosodimethylamine	ND(50.0)	ug/L
N-Nitroso Di-n-propylamine	ND(20.0)	ug/L
P062 N-Nitrosodiphenylamine	ND(20.0)	ug/L
P064 Pentachlorophenol	ND(50.0)	ug/L
P081 Phenanthrene	ND(10.0)	ug/L
P065 Phenol	ND(10.0)	ug/L
P084 Pyrene	ND(10.0)	ug/L

EXCLUDE - Data excluded from the data set (see data review narratives in Appendix D for details).

NC - Not collected.

ND - Not detected (number in parentheses is detection limit).

Appendix A-3

**Analytical Results Collected Onboard (Field Measurements)
Island Princess - 28 August through 2 September 2004**

Field measurement data and observations for each grab sample for each sampling point. Figures 2-1 and 2-2 identify sampling point locations. Sample collection times for composite sampling by flow or time are shown under Sampling Point column, where applicable. Duplicate samples were not collected for field measurements; consequently, duplicate sampling point SP-7 is not shown on this table.

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-1 Galley Wastewater Day 1 24-hour Composite Collection Time: 0600 on 8/28/04 to 0600 on 8/29/04	1045 on 8/28/04	36	400	5	2.4	0.6	1284	4.6	4.6	Slightly yellow, very cloudy
	1704 on 8/28/04	36	418	4	NA	0.9	1832	0.25	0.3	Very cloudy
	2210 on 8/28/04	31	344	6	5 (c)	0.3	662	0.25	0.02	
	0345 on 8/29/04	32	212	8	0.8	0.4	790	0.09	0.17	
SP-1 Galley Wastewater Day 2 24-hour Composite Collection Time: 0600 on 8/29/04 to 0600 on 8/30/04	1038 on 8/29/04	33	400	8	1.75 (c)	0.3	746	0.0	0.02	Very cloudy
	1430 on 8/29/04	34	361	7	1.75 (c)	0.5	1122	0.04	0.02	
	2159 on 8/29/04	34	396	6	0.8	0.4	808	0.11	(b)	
	0355 on 8/30/04	36	(a)	7.5	0.8	0.5	1180	0.08	0.14	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-1 Galley Wastewater Day 3 24-hour Composite Collection Time: 0600 on 8/30/04 to 0600 on 8/31/04	1010 on 8/30/04	34	802 (d)	4.0	3.75 (c)	1.3	2634	0.09	2.2	Very cloudy
	1630 on 8/30/04	37	488 (d)	6.0	2.25 (c)	0.6	1392	0.0	0.0	
	2200 on 8/30/04	35	(a)	7.0	0.8	0.2	411	0.16	0.31	
	0340 on 8/31/04	36	326	10	0.8	0.5	993	0.24	0.23	
SP-1 Galley Wastewater Day 4 24-hour Composite Collection Time: 0600 on 8/31/04 to 0600 on 9/1/04	1045 on 8/31/04	30	450	5	2.25 (c)	0.2	362.0	0.0	0.0	Cloudy, yellow/white
	1643 on 8/31/04	30	434	5	1.75 (c)	0.3	1065	0.0	0.0	White, opaque
	2220 on 8/31/04	34	437	6	0.8	0.2	360.0	0.12	0.14	White, opaque
	0340 on 9/1/04	33	(a)	6	0.8	0.4	840	0.19	0.22	White/beige, opaque, visible food particles
SP-1 Galley Wastewater Day 5 24-hour Composite Collection Time: 0600 on 9/1/04 to 0600 on 9/2/04	1030 on 9/1/04	38	296	6	1.75 (c)	0.3	745	0.04	0.0	Cloudy, white
	1630 on 9/1/04	37	462 (d)	6	2.25 (c)	0.4	833	0.0	0.0	Very cloudy, yellow/white
	2224 on 9/1/04	34	(a)	6	0.8	0.3	639	0.4	0.04	White, cloudy
	0311 on 9/2/04	36	(a)	8	0.8	0.5	1161	0.04	0.11	White, cloudy

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-2 Laundry Wastewater Day 1 24-hour Composite Collection Time: 0600 on 8/28/04 to 0600 on 8/29/04	1040 on 8/28/04	38	63	7	0.25	0.1	138	0.5	1.4	Cloudy, greyish
SP-2 Laundry Wastewater Day 2 24-hour Composite Collection Time: 0600 on 8/29/04 to 0600 on 8/30/04	1600 on 8/29/04	27	79.5	7	0.16	0.2	332.2	0.67	1.22	Cloudy, greyish
	2245 on 8/29/04	28	47.9	7	0.21	0.1	316	0.16	0.22	
	0345 on 8/30/04	28	26.3	7	0.15	0.1	243.2	0.08	0.08	
SP-2 Laundry Wastewater Day 3 24-hour Composite Collection Time: 0600 on 8/30/04 to 0600 on 8/31/04	1014 on 8/30/04	30	104	7	0.26	0.1	201.5	0.22	0.06	Cloudy, greyish
	1620 on 8/30/04	30	31.8	6	0.15	0.1	235.3	0.09	0.0	
	2230 on 8/30/04	35	35.0	6	0.15	0.1	300.0	0.0	2.2	
	0405 on 8/31/04	27	42.7	6	0.14	0.1	238.6	0.01	0.02	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-2 Laundry Wastewater Day 4	1032 on 8/31/04	26	60.4	6	0.19	0.1	252.7	0.22	0.37	Cloudy, greyish
	1638 on 8/31/04	31	21.0	8	0.09	0.1	190.6	0.21	0.82	
	2247 on 8/31/04	32	43.3	7	0.19	0.1	183.5	2.2	2.2	
	24-hour Composite Collection Time: 0600 on 8/31/04 to 0600 on 9/1/04	28	56.5	7	NA	0.1	132.5	NA	NA	
SP-2 Laundry Wastewater Day 5	1024 on 9/1/04	26	92.9	5	0.27	0.4	782	0.0	0.0	Cloudy, greyish
	1623 on 9/1/04	28	49.6	5	0.25	0.4	961	0.01	0.0	
	2240 on 9/1/04	29	37.5	5	0.13	0.1	301.7	0.34	0.53	
	24-hour Composite Collection Time: 0600 on 9/1/04 to 0600 on 9/2/04	26	34.3	5	0.1	0.1	165.4	0.15	0.39	
SP-3 Accommodations Wastewater Day 1	1055 on 8/28/04	25	27	6	0.2	0.1	139	0.2	0.3	Slightly cloudy, white
	1700 on 8/28/04		95.5		0.2	0.1	178.5	0.03	(b)	
	2220 on 8/28/04	21	94.1	6	0.26	0.1	232.8	0.0	(b)	
	24-hour Composite Collection Time: 0600 on 8/28/04 to 0600 on 8/29/04	22	68.5	6	0.26	0.1	169.8	0.0	(b)	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-3 Accommodations Wastewater Day 2 24-hour Composite Collection Time: 0600 on 8/29/04 to 0600 on 8/30/04	1052 on 8/29/04	25	106	7.5	0.28	0.2	369.9	0.0	0.01	Slightly cloudy, white
	1648 on 8/29/04	24	169	8	0.25	0.2	376.7	0.0	0.0	
	2220 on 8/29/04	23	68	7	0.27	0.1	187.8	0.02	(b)	
	0405 on 8/30/04	22	34.1	6	0.19	0.1	140.3	0.02	0.0	
SP-3 Accommodations Wastewater Day 3 24-hour Composite Collection Time: 0600 on 8/30/04 to 0600 on 8/31/04	1025 on 8/30/04	23	62.7	7.0	0.19	0.1	207.3	0.0	0.0	Slightly cloudy, white
	1630 on 8/30/04	21	101	8.0	0.0	0.1	519	0.01	0.0	
	2210 on 8/30/04	21	49.5	7	0.0	0.1	150.4	0.04	0.0	
	0345 on 8/31/04	20	42.7	6	0.17	0.1	103.1	0.02	0.0	
SP-3 Accommodations Wastewater Day 4 24-hour Composite Collection Time: 0600 on 8/31/04 to 0600 on 9/1/04	1045 on 8/31/04	24	35.9	6	0.14	0.0	83.6	0.0	0.0	Slightly cloudy, white
	1658 on 8/31/04	24	56.5	6	0.27	0.1	196.5	0.0	0.0	
	2231 on 8/31/04	24	74.7	6	0.27	0.1	209.6	0.11	(b)	
	0350 on 9/1/04	18	62.1	7	0.19	0.1	203.1	0.06	(b)	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-3 Accommodations Wastewater Day 5 24-hour Composite Collection Time: 0600 on 9/1/04 to 0600 on 9/2/04	1030 on 9/1/04	24	39.6	7	0.18	0.1	159.6	0.0	0.0	Slightly cloudy, white
	1630 on 9/1/04	26	73.9	6.5	0.28	0.2	330.6	0.01	0.0	
	2227 on 9/1/04	24	57.5	7	0.22	0.1	225.2	0.03	0.0	
	0316 on 9/2/04	19	55.0	6	0.23	0.2	298	0.0	(b)	
SP-4 Influent to Treatment Day 1 24-hour Composite Collection Time: 0600 on 8/28/04 to 0600 on 8/29/04	1105 on 8/28/04	27	332	7	2.5(c)	7.9	15300	0.7	0.85	Dark yellow/brown, cloudy
	1700 on 8/28/04	27	364	7	1.5 (c)	2.3	4345	4.8	4.8	
	2230 on 8/28/04	28	NA	7	NA	NA	NA	0.4	0.1	
	0350 on 8/29/04	28	196	7	1.75 (c)	0.3	630	0.0	0.01	
SP-4 Influent to Treatment Day 2 24-hour Composite Collection Time: 0600 on 8/29/04 to 0600 on 8/30/04	1126 on 8/29/04	28	312	6.5	1.75 (c)	1.0	1984	0.0	0.02	Dark yellow/brown, cloudy
	1800 on 8/29/04	31	600	8	4.2 (c)	8.9	16280	0.5	0.52	
	2200 on 8/29/04	30	64.3	6	0.49	0.2	328.1	0.05	0.03	
	0650 on 8/30/04	30	97.4	6	0.8	0.4	819	0.05	(b)	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-4 Influent to Treatment Day 3 24-hour Composite Collection Time: 0600 on 8/30/04 to 0600 on 8/31/04	1005 on 8/30/04	30	96.5	6	0.55	0.2	665.6	0.0	0.0	Dark yellow/brown, cloudy
	1630 on 8/30/04	31	597	8	4.75 (c)	8.6	16380	0.0	2.2	
	2325 on 8/30/04	32	(a)	8	NA	NA	NA	NA	NA	dark brown, too turbid to complete all field tests, more solids
	0352 on 8/31/04	30	NA	8	NA	NA	NA	NA	NA	dark brown, solids, too turbid to complete field tests
SP-4 Influent to Treatment Day 4 24-hour Composite Collection Time: 0600 on 8/31/04 to 0600 on 9/1/04	1030 on 8/31/04	28	368	8	3.5 (c)	8.3	14750	1.17	0.0	Brown with sediment on bottom
	1605 on 8/31/04	30	5872 (d)	7	7.28 (c)	1.7	3641	0.0	0.66	Very brown/green with suspended particles
	2220 on 8/31/04	30	74.4	7	0.47	0.1	231.5	0.06	0.01	Much cleaner than before
	0300 on 9/1/04	29	154	7	0.8	0.2	481.5	0.0	0.0	
SP-4 Influent to Treatment Day 5 24-hour Composite Collection Time: 0600 on 9/1/04 to 0600 on 9/2/04	1030 on 9/1/04	33	392.8	8	3.5 (c)	8.9	16600	0.04	0.0	Brown with solids on bottom
	1620 on 9/1/04		614.4 (d)	8	3.5 (c)	11.7	21530	2.2	0.08	Brown with solids on bottom
	2215 on 9/1/04	29	282	7	0.8	1.7	3566	0.0	0.0	Brown/yellow, a few solids
	0300 on 9/2/04	29	56.3	6	0.67	0.1	295.5	0.0	0.0	White, but clear, smelly

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-5 Influent to UV Disinfection Day 1	2300 on 8/28/04	38	5.8	7	NA	1.8	3900	0.04	0.04	Clear, yellow tint, no visible solids
SP-5 Influent to UV Disinfection Day 2	1107 on 8/29/04	36	5.7	7	0.025	2.5	6020	0.02	0.01	Clear, yellow tint, no visible solids
	1945 on 8/29/04	33	4.4	7	0.02	2.9	2915	0.08	0.04	
	2210 on 8/29/04	35	1.2	7	0.02	2.1	4075	0.0	0.0	
SP-5 Influent to UV Disinfection Day 3	0725 on 8/30/04	(e)	0.9	7	0.01	1.4	3026	0.0	0.0	Clear, yellow tint, no visible solids
	2145 on 8/30/04	38	0.6	7	0.03	3.0	3300	0.02	0.04	
	0110 on 8/31/04	40	1.6	7	0.03	1.2	3017	0.08	0.03	
SP-5 Influent to UV Disinfection Day 4	1015 on 8/31/04	32	1.1	7	0.02	2.8	5240	0.06	0.05	Clear, yellow tint, no visible solids
	1655 on 8/31/04	38	1.9	7	0.04	1.8	4086	0.17	0.07	
	2230 on 8/31/04	38	4.4	7	0.04	1.6	3655	0.11	.02	
SP-5 Influent to UV Disinfection Day 5	1008 on 9/1/04	37	2.0	7	0.04	1.7	3637	0.13	0.03	Clear, yellow tint, no visible solids
	1617 on 9/1/04	39	0.6	7	0.03	1.3	2860	0.11	0.07	
	2200 on 9/1/04	37	45	7	0.02	1.7	4130	0.0	0.03	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-6 Effluent from Treatment Day 1 24-hour Composite Collection Time: 0600 on 8/28/04 to 0600 on 8/29/04	1100 on 8/28/04	33	5	7	0.1	1.8	6579	0.08	0.08	Clear, yellow tint, no solids
	1704 on 8/28/04	36	1.3	4	0.04	1.4	2956	0.03	0.04	
	2245 on 8/28/04	38	0.2	7	0.0	1.7	3400	0.05	0.07	
	0330 on 8/29/04	36	0.2	7	0.0	1.6	3400	0.05	0.05	Samples collected with a lot of dissolved air
SP-6 Effluent from Treatment Day 2 24-hour Composite Collection Time: 0600 on 8/29/04 to 0600 on 8/30/04	1027 on 8/29/04	35	0.6	7	0.01	2.1	4207	0.04	0.02	Clear, yellow tint, no visible solids
	1945 on 8/29/04	32	0.5	7	0.0	2.9	2933	0.09	0.02	
	2205 on 8/29/04	33	0.4	7	0.01	2.0	4620	0.11	0.05	
	0405 on 8/30/04	37	0.2	7	0.02	1.7	3706	0.03	0.06	
SP-6 Effluent from Treatment Day 3 24-hour Composite Collection Time: 0600 on 8/30/04 to 0600 on 8/31/04	0715 on 8/30/04	(e)	0.7	7	0.02	1.4	2931	0.0	0.02	Clear, yellow tint, no visible solids
	2145 on 8/30/04	38	0.5	7	0.02	3.2	3248	0.18	0.02	
	0110 on 8/31/04	38	2.7	7	0.06	1.4	3160	0.07	0.05	
	0335 on 8/31/04	36	3.0	7	0.02	2.2	4849	0.01	0.0	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-6 Effluent from Treatment Day 4 24-hour Composite Collection Time: 0600 on 8/31/04 to 0600 on 9/1/04	1020 on 8/31/04	33	32.8	7	0.4	2.8	5760	0.01	0.0	Clear, yellow tint, no visible solids
	1649 on 8/31/04	32	4.0	7	0.02	1.9	4139	0.08	0.01	
	2230 on 8/31/04	37	0.6	6	0.03	0.8	1920	0.1	0.06	
	0650 on 9/1/04	37	0.5	7	0.04	0.7	1525	0.09	0.04	
SP-6 Effluent from Treatment Day 5 24-hour Composite Collection Time: 0600 on 9/1/04 to 0600 on 9/2/04	1012 on 9/1/04	35	0.6	7	0.04	1.7	3649	0.0	0.01	Yellow, clear
	1604 on 9/1/04	39	0.0	7	0.04	1.3	2893	0.0	0.0	
	2200 on 9/1/04	37	2.4	7	0.02	1.7	3976	0.0	0.04	
	0300 on 9/2/04	37	0.4	7	0.02	1.4	3172	0.6	0.2	
SP-8 Galley Wastewater Overboard Discharge	1800 on 8/26/04	23	600	5	1.6 (c)	0.3	529	2.2	4.6	
SP-9 Laundry Wastewater Overboard Discharge	1800 on 8/26/04	29	150	7	0.7	0.7	1348	0.8	2.2	
SP-10 Food Pulper Overboard Discharge	1920 on 8/26/04	25	654	5	2 (c)	4.0	8000	23	3.4	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.

Table A-3 (Continued)

Sampling Point	Sample Collection Times	Temperature (°C)	Turbidity (NTU)	pH	Sulfide (mg/L)	Salinity (ppt)	Conductivity (uS/cm)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Comments
SP-12 Waste Biosludge Discharge	1920 on 8/26/04	35	(a)	7	6.0 (c)	1.8	3861	2.2	2.2	
SP-14 Source Water	1427		0.0	6	0.0	0.0	53.2	0.97	1.05	

NA - Not analyzed.

(a) Reading exceeds calibration range.

(b) Reading under detection range of instrument caused by low light penetration.

(c) Sulfide meter has a maximum detection limit of 0.80 mg/L. Dilutions were made to approximate sulfide content.

(d) Turbidity meter has a limit of quantification of 440 NTU. A result greater than 440 NTU indicated that the sample was diluted.

(e) Temperature result is considered unreliable.