

Princess Metals Investigation

Sampling Location - Bunkered Water	Sample Date	ed Copper	ed Nickel	ed Zinc	Berth	Bunkering	Vessel
Skagway Bunkered Water - St. Forward Port	6/12/2008	0.688	1.48	6.53	Railroad aft	Yes 0745 - 1615	Star
Ketchikan Bunkering Connection	6/17/2008	3.62	0.212	4.14	Berth 3	Yes 0745 - 1315	Star
Ketchikan Bunkered Water - St. Forward Port	6/17/2008	0.43	0.2	6.49	Berth 3	Yes 0745 - 1315	Star
JNU Bunkering Connection (AJ Dock)	6/18/2008	28.1	1.24	13.7	AJ Dock	No bunker for Star	Star
Bunkering Victoria - On Pier	6/21/2008	2.47	0.431	8.92	South "B"	Yes 1645 - 2315	Star
Bunkering Seattle - Forward Port	6/22/2008	0.749	0.39	5.85	T-30	Yes 0745 - 1520	Star
JNU Bunkering Connection (S. Franklin Dock)	6/25/2008	41.7	2.35	16	AJ Dock	Yes 1520 - 2115	Star
Seattle Princess Dock - North Berth	6/30/2008	34	1.3	2600	T-30	Called on 6-29-08	Star
San Francisco Bunkering Connection	7/16/2008	0.83	<0.5	<5	Pier 35	No Star, Dawn in SFO	Dawn
Whittier Bunkering Connection	7/24/2008	1.3	0.345	17.5	???	Star bunkers in Skagway	no ship
Vancouver Bunkering Connection North	7/24/2008	1.5	<0.2	9	Canada Place East	Yes 0810 - 1405 220m3	Tahitian
Vancouver Bunkering Connection Central	7/24/2008	15	<0.2	280	Canada Place East	Yes 0810 - 1405 220m3	Tahitian
Vancouver Bunkering Connection South	7/24/2008	7.8	<0.2	6	Canada Place East	Yes 0810 - 1405 220m3	Tahitian

Sampling Location - Star Princess	Sample Date	ed Copper	ed Nickel	ed Zinc (µg/L)
Potable Water Tank (8&9) after Retention	6/17/2008	15.3	1.74	17.8
Tap Water - Bridge Pantry Deck 14	6/17/2008	19.5	1.87	26.9
Crew Cabin Deck 10 Fwd. Port (Hot Water)	6/17/2008	52.3	8.27	33.5
Pax. Cabin Deck 8 Fwd. Stbd. (Hot Water)	6/17/2008	56.3	8.2	34.9
Pax. Cabin Deck 11 Port Midship	6/17/2008	44.7	2.21	33.7
Crew Cabin Deck 4 Port	6/17/2008	41.6	1.85	40
Tap Water - Crew Galley Deck 5 Aft (Hot)	6/17/2008	26.3	10.4	25.2
Designated Overboard Discharge Sample Port	6/18/2008	59.2	13.6	123
Alternate Overboard Discharge Sample Point	6/18/2008	116	258	183
Influent MBR - Blackwater - Evac. 4	6/18/2008	17	8.58	115
Influent MBR - Graywater - Buffer Tank	6/18/2008	22.5	7.64	94.6
Potable Water Tank (11-12) after Retention	6/18/2008	17.6	1.48	18
Evaporator 1	6/20/2008	49.7	3.13	15.4
Evaporator 3	6/20/2008	42.5	1.04	51.8
Evaporator 2	6/23/2008	50.3	1	28.1
Designated Overboard Discharge Sample Port	6/25/2008	55.5	15.7	119