Appendix E
Groundwater Analytical Data

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Aluminum	ug/L	302		80.2	200	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Calcium	ug/L	22700		104	200	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Chromium	ug/L	8.4	B	2.3	15	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Iron	ug/L	270		52.2	200	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Magnesium	ug/L	2110		33.3	100	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Manganese	ug/L	82.5		0.36	5	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Vanadium	ug/L	9.8		1.5	5	N
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Aluminum, dissolved	ug/L	196		80.2	200	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Calcium, dissolved	ug/L	22500		104	200	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Iron, dissolved	ug/L	78.3		52.2	200	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Magnesium, dissolved	ug/L	2180		33.3	100	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Manganese, dissolved	ug/L	95		0.36	5	Y
DMT-1M	5/22/2006	11:15	REG	DMT01M-052206	Vanadium, dissolved	ug/L	8.2		1.5	5	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Aluminum	ug/L	384		80.2	200	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Calcium	ug/L	22400		104	200	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Chromium	ug/L	10.3	B	2.3	15	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Iron	ug/L	442		52.2	200	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Magnesium	ug/L	2130		33.3	100	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Manganese	ug/L	78.9		0.36	5	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Vanadium	ug/L	10.5		1.5	5	N
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Aluminum, dissolved	ug/L	192		80.2	200	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Calcium, dissolved	ug/L	23600		104	200	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Iron, dissolved	ug/L	82.1		52.2	200	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Magnesium, dissolved	ug/L	2410		33.3	100	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Manganese, dissolved	ug/L	111		0.36	5	Y
DMT-1M	5/22/2006	11:20	FD	DMT01M-052206-D	Vanadium, dissolved	ug/L	8.4		1.5	5	Y
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Aluminum	ug/L	80.2		80.2	200	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Calcium	ug/L	25400		104	200	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Iron	ug/L	2510		52.2	200	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Magnesium	ug/L	21600		33.3	100	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Manganese	ug/L	4070		0.36	5	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Vanadium	ug/L	1.5		1.5	5	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Alkalinity to pH 4.5	mg/L	13.7		0.46	2	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Alkalinity to pH 8.3	mg/L	0.46		0.46	2	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Bicarbonate	mg/L	13.7		0.46	2	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Chloride	mg/L	136		20	40	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Sulfate	mg/L	176		30	100	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Total Dissolved Solids	mg/L	490		9.7	30	N
DMT-1M	6/21/2006	10:10	REG	DMT-01M-062106	Total Suspended Solids	mg/L	3		3	12	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Aluminum	ug/L	80.2		80.2	200	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Calcium	ug/L	31700		104	200	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Chromium	ug/L	3.1	B	2.3	15	N

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Iron	ug/L	841		52.2	200	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Magnesium	ug/L	21800		32.2	100	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Manganese	ug/L	3830		0.36	5	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Vanadium	ug/L	2.6		1.5	5	N
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Calcium, dissolved	ug/L	28500		104	200	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Iron, dissolved	ug/L	717		52.2	200	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Magnesium, dissolved	ug/L	20300		32.2	100	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Manganese, dissolved	ug/L	3750		0.36	5	Y
DMT-1M	2/28/2007	14:55	REG	DMT-1M-GRW-022807	Vanadium, dissolved	ug/L	2		1.5	5	Y
DMT-1M	6/8/2009	9:30	REG	DMT-01M-GRW-060809	Chromium	ug/L	54.4		3.4	15	N
DMT-1M	6/8/2009	9:30	REG	DMT-01M-GRW-060809	Trivalent Chromium	ug/L	54		0.005	0.015	N
DMT-1M	6/8/2009	9:30	REG	DMT-01M-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-1M	6/8/2009	9:30	REG	DMT-01M-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Aluminum	ug/L	893		80.2	200	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Calcium	ug/L	21900		104	200	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Chromium	ug/L	43.3		2.3	15	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Iron	ug/L	1210		52.2	200	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Magnesium	ug/L	874		33.3	100	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Manganese	ug/L	43.7		0.36	5	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Vanadium	ug/L	59.5		1.5	5	N
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Aluminum, dissolved	ug/L	168		80.2	200	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Calcium, dissolved	ug/L	21400		104	200	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Chromium, dissolved	ug/L	16.7		2.3	15	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Iron, dissolved	ug/L	98.7		52.2	200	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Magnesium, dissolved	ug/L	399		33.3	100	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Manganese, dissolved	ug/L	4.6		0.36	5	Y
DMT-1S	5/23/2006	10:30	REG	DMT01S-052306	Vanadium, dissolved	ug/L	55.9		1.5	5	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Aluminum	ug/L	634		80.2	200	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Calcium	ug/L	21600		104	200	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Chromium	ug/L	33.1		2.3	15	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Iron	ug/L	841		52.2	200	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Magnesium	ug/L	804		33.3	100	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Manganese	ug/L	36.6		0.36	5	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Vanadium	ug/L	54.9		1.5	5	N
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Aluminum, dissolved	ug/L	164		80.2	200	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Calcium, dissolved	ug/L	21900		104	200	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Chromium, dissolved	ug/L	19.2		2.3	15	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Iron, dissolved	ug/L	110		52.2	200	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Magnesium, dissolved	ug/L	401		33.3	100	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Manganese, dissolved	ug/L	4.9		0.36	5	Y
DMT-1S	5/23/2006	10:35	FD	DMT01S-052306-D	Vanadium, dissolved	ug/L	57.8		1.5	5	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Aluminum	ug/L	584		80.2	200	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Calcium	ug/L	413000		104	200	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Chromium	ug/L	50		2.3	15	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Hexavalent Chromium	ug/L	36		5	20	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Iron	ug/L	403		52.2	200	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Magnesium	ug/L	305		33.3	100	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Manganese	ug/L	10.3		0.36	5	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Vanadium	ug/L	6.8		1.5	5	N
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Aluminum, dissolved	ug/L	446		80.2	200	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Calcium, dissolved	ug/L	396000		104	200	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Chromium, dissolved	ug/L	35.5		2.3	15	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Iron, dissolved	ug/L	109		52.2	200	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Manganese, dissolved	ug/L	0.47		0.36	5	Y
DMT-2M	5/22/2006	10:00	REG	DMT02M-052206	Vanadium, dissolved	ug/L	6.1		1.5	5	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Aluminum	ug/L	75.5	B	23	200	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Calcium	ug/L	90200		49	5000	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Chromium	ug/L	6.1	B	0.8	10	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Hexavalent Chromium	ug/L	10	U	3	10	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Iron	ug/L	41300		25	100	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Magnesium	ug/L	103000		14	5000	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Manganese	ug/L	2520		0.6	15	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Vanadium	ug/L	50	U	1.8	50	N
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Aluminum, dissolved	ug/L	23.1	B	23	200	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Calcium, dissolved	ug/L	84100		49	5000	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Chromium, dissolved	ug/L	1.3	B	0.8	10	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Iron, dissolved	ug/L	42300		25	100	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Magnesium, dissolved	ug/L	104000		14	5000	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Manganese, dissolved	ug/L	2580		0.6	15	Y
DMT-2M	1/8/2007	13:40	REG	DMT-2M-GRW-010807	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Aluminum	ug/L	561		80.2	200	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Calcium	ug/L	6980		104	200	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Chromium	ug/L	52		2.3	15	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Iron	ug/L	1260		52.2	200	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Magnesium	ug/L	405		33.3	100	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Manganese	ug/L	43.1		0.36	5	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Vanadium	ug/L	41.6		1.5	5	N
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Calcium, dissolved	ug/L	5460		104	200	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Chromium, dissolved	ug/L	11.2	J	2.3	15	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Iron, dissolved	ug/L	61.7		52.2	200	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Magnesium, dissolved	ug/L	89		33.3	100	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Manganese, dissolved	ug/L	1.7		0.36	5	Y
DMT-2S	5/23/2006	12:15	REG	DMT02S-052306	Vanadium, dissolved	ug/L	36		1.5	5	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Aluminum	ug/L	1430		80.2	200	N

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DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Calcium	ug/L	296000		104	200	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Chromium	ug/L	654		2.3	15	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Hexavalent Chromium	ug/L	20	J	5	20	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Iron	ug/L	1540		52.2	200	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Magnesium	ug/L	2140		33.3	100	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Manganese	ug/L	125		0.36	5	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Vanadium	ug/L	12.7		1.5	5	N
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Calcium, dissolved	ug/L	322000		104	200	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Chromium, dissolved	ug/L	60.6		2.3	15	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Magnesium, dissolved	ug/L	1590		33.3	100	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Manganese, dissolved	ug/L	15		0.36	5	Y
DMT-3S	5/23/2006	14:05	REG	DMT03S-052306	Vanadium, dissolved	ug/L	5.4		1.5	5	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Aluminum	ug/L	512		80.2	200	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Calcium	ug/L	24100		104	200	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Chromium	ug/L	71.3		2.3	15	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Hexavalent Chromium	ug/L	50	U	50	200	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Iron	ug/L	573		52.2	200	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Magnesium	ug/L	200		33.3	100	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Manganese	ug/L	18.4		0.36	5	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Vanadium	ug/L	84		1.5	5	N
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Aluminum, dissolved	ug/L	136		80.2	200	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Calcium, dissolved	ug/L	26600		104	200	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Chromium, dissolved	ug/L	16		2.3	15	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Manganese, dissolved	ug/L	1.1		0.36	5	Y
DMT-4S	5/23/2006	0:00	REG	DMT04S-052306	Vanadium, dissolved	ug/L	78.3		1.5	5	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Aluminum	ug/L	1040		80.2	200	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Calcium	ug/L	10400		104	200	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Chromium	ug/L	329		2.3	15	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Hexavalent Chromium	ug/L	50	U	50	200	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Iron	ug/L	465		52.2	200	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Magnesium	ug/L	275		33.3	100	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Manganese	ug/L	9.5		0.36	5	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Vanadium	ug/L	313		1.5	5	N
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Aluminum, dissolved	ug/L	774		80.2	200	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Calcium, dissolved	ug/L	9300		104	200	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Chromium, dissolved	ug/L	182		2.3	15	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Iron, dissolved	ug/L	196		52.2	200	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Manganese, dissolved	ug/L	1.7		0.36	5	Y
DMT-5S	5/23/2006	15:55	REG	DMT05S-052306	Vanadium, dissolved	ug/L	297		1.5	5	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Aluminum	ug/L	30200		80.2	200	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Calcium	ug/L	35400		104	200	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Chromium	ug/L	13600		2.3	15	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Hexavalent Chromium	ug/L	2500	U	2500	10000	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Iron	ug/L	7360		52.2	200	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Magnesium	ug/L	1120		33.3	100	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Manganese	ug/L	37		0.36	5	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Vanadium	ug/L	1180		1.5	5	N
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Aluminum, dissolved	ug/L	32100		80.2	200	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Calcium, dissolved	ug/L	35300		104	200	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Chromium, dissolved	ug/L	13700		2.3	15	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Iron, dissolved	ug/L	6460		52.2	200	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Magnesium, dissolved	ug/L	238		33.3	100	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Manganese, dissolved	ug/L	20.5		0.36	5	Y
DMT-6S	5/23/2006	16:55	REG	DMT06S-052306	Vanadium, dissolved	ug/L	1180		1.5	5	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Aluminum	ug/L	5640		80.2	200	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Calcium	ug/L	187000		104	200	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Chromium	ug/L	70500		2.3	15	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Hexavalent Chromium	ug/L	70000		1000	4000	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Iron	ug/L	10300		52.2	200	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Magnesium	ug/L	2530		33.3	100	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Manganese	ug/L	97.2		0.36	5	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Vanadium	ug/L	124		1.5	5	N
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Aluminum, dissolved	ug/L	707		80.2	200	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Calcium, dissolved	ug/L	175000		104	200	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Chromium, dissolved	ug/L	70400		2.3	15	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Manganese, dissolved	ug/L	0.52		0.36	5	Y
DMT-7S	5/24/2006	8:30	REG	DMT07S-052406	Vanadium, dissolved	ug/L	35.7		1.5	5	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Aluminum	ug/L	9400		80.2	200	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Calcium	ug/L	145000		104	200	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Chromium	ug/L	18000		2.3	15	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Hexavalent Chromium	ug/L	17000		250	1000	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Iron	ug/L	1140		52.2	200	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Magnesium	ug/L	4510		33.3	100	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Manganese	ug/L	12.9		0.36	5	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Vanadium	ug/L	102		1.5	5	N
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Aluminum, dissolved	ug/L	4060		80.2	200	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Calcium, dissolved	ug/L	66400		104	200	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Chromium, dissolved	ug/L	14100		2.3	15	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Iron, dissolved	ug/L	62.7		52.2	200	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Magnesium, dissolved	ug/L	290		33.3	100	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-8S	5/24/2006	9:10	REG	DMT08S-052406	Vanadium, dissolved	ug/L	210		1.5	5	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Aluminum	ug/L	4210		80.2	200	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Calcium	ug/L	10600		104	200	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Chromium	ug/L	1680		2.3	15	N

APPENDIX E
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Hexavalent Chromium	ug/L	500	U	500	2000	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Iron	ug/L	3570		52.2	200	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Magnesium	ug/L	688		33.3	100	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Manganese	ug/L	28		0.36	5	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Vanadium	ug/L	1470		1.5	5	N
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Aluminum, dissolved	ug/L	2950		80.2	200	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Calcium, dissolved	ug/L	7370		104	200	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Chromium, dissolved	ug/L	1370		2.3	15	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Iron, dissolved	ug/L	1330		52.2	200	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Manganese, dissolved	ug/L	2.8		0.36	5	Y
DMT-9S	5/24/2006	10:35	REG	DMT09S-052406	Vanadium, dissolved	ug/L	1500		1.5	5	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Aluminum	ug/L	3860		80.2	200	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Calcium	ug/L	10100		104	200	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Chromium	ug/L	1640		2.3	15	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Hexavalent Chromium	ug/L	500	U	500	2000	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Iron	ug/L	3130		52.2	200	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Magnesium	ug/L	530		33.3	100	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Manganese	ug/L	23		0.36	5	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Vanadium	ug/L	1510		1.5	5	N
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Aluminum, dissolved	ug/L	3370		80.2	200	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Calcium, dissolved	ug/L	7210		104	200	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Chromium, dissolved	ug/L	1300		2.3	15	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Iron, dissolved	ug/L	1280		52.2	200	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Manganese, dissolved	ug/L	2.7		0.36	5	Y
DMT-9S	5/24/2006	10:40	FD	DMT09S-052406-D	Vanadium, dissolved	ug/L	1470		1.5	5	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Aluminum	ug/L	16800		80.2	200	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Calcium	ug/L	15900		104	200	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Chromium	ug/L	7720		2.3	15	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Hexavalent Chromium	ug/L	250	U	250	1000	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Iron	ug/L	6020		52.2	200	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Magnesium	ug/L	564		33.3	100	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Manganese	ug/L	42.2		0.36	5	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Vanadium	ug/L	406		1.5	5	N
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Aluminum, dissolved	ug/L	14800		80.2	200	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Calcium, dissolved	ug/L	12500		104	200	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Chromium, dissolved	ug/L	6060		2.3	15	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Iron, dissolved	ug/L	926		52.2	200	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Manganese, dissolved	ug/L	9		0.36	5	Y
DMT-10S	5/24/2006	14:30	REG	DMT10S-052406	Vanadium, dissolved	ug/L	384		1.5	5	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Aluminum	ug/L	7390		80.2	200	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Calcium	ug/L	54600		104	200	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Chromium	ug/L	186		2.3	15	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Hexavalent Chromium	ug/L	20	U	20	80	N

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Iron	ug/L	13500		52.2	200	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Magnesium	ug/L	107000		33.3	100	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Manganese	ug/L	88.2		0.36	5	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Vanadium	ug/L	76.6		1.5	5	N
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Calcium, dissolved	ug/L	51400		104	200	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Chromium, dissolved	ug/L	16.9		2.3	15	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Iron, dissolved	ug/L	285		52.2	200	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Magnesium, dissolved	ug/L	106000		33.3	100	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Manganese, dissolved	ug/L	42.9		0.36	5	Y
DMT-11S	5/24/2006	12:50	REG	DMT11S-052406	Vanadium, dissolved	ug/L	21		1.5	5	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Aluminum	ug/L	3070		80.2	200	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Calcium	ug/L	3600		104	200	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Chromium	ug/L	59.9		2.3	15	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Hexavalent Chromium	ug/L	5	UR	5	20	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Iron	ug/L	3760		52.2	200	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Magnesium	ug/L	582		33.3	100	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Manganese	ug/L	48.6		0.36	5	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Vanadium	ug/L	12.4		1.5	5	N
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Aluminum, dissolved	ug/L	1850		80.2	200	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Calcium, dissolved	ug/L	2240		104	200	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Chromium, dissolved	ug/L	4	J	2.3	15	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Iron, dissolved	ug/L	75.7		52.2	200	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-12S	5/22/2006	15:10	REG	DMT12S-052206	Vanadium, dissolved	ug/L	5.6		1.5	5	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Aluminum	ug/L	1860		80.2	200	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Calcium	ug/L	7590		104	200	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Chromium	ug/L	49.3		2.3	15	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Iron	ug/L	1700		52.2	200	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Magnesium	ug/L	520		32.2	100	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Manganese	ug/L	25.7		0.36	5	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Vanadium	ug/L	16.4		1.5	5	N
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Aluminum, dissolved	ug/L	1480		80.2	200	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Calcium, dissolved	ug/L	4750		104	200	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Chromium, dissolved	ug/L	11.2	J	2.3	15	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Manganese, dissolved	ug/L	0.69		0.36	5	Y
DMT-12S	2/26/2007	11:30	REG	DMT-12S-GRW-022607	Vanadium, dissolved	ug/L	11.9		1.5	5	Y
DMT-12S	6/5/2009	12:10	REG	DMT-12S-GRW-060509	Chromium	ug/L	5.5	J	3.4	15	N
DMT-12S	6/5/2009	12:10	REG	DMT-12S-GRW-060509	Trivalent Chromium	ug/L	5.5	J	0.005	0.015	N
DMT-12S	6/5/2009	12:10	REG	DMT-12S-GRW-060509	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-12S	6/5/2009	12:10	REG	DMT-12S-GRW-060509-F	Chromium, dissolved	ug/L	4	J	3.4	15	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Aluminum	ug/L	12800		80.2	200	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Calcium	ug/L	617000		104	200	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Chromium	ug/L	26600		2.3	15	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Hexavalent Chromium	ug/L	21000		500	2000	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Iron	ug/L	19200		52.2	200	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Magnesium	ug/L	6560		33.3	100	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Manganese	ug/L	171		0.36	5	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Vanadium	ug/L	246		1.5	5	N
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Aluminum, dissolved	ug/L	349		80.2	200	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Calcium, dissolved	ug/L	564000		104	200	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Chromium, dissolved	ug/L	18100		2.3	15	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-13S	5/24/2006	11:45	REG	DMT13S-052406	Vanadium, dissolved	ug/L	7.9		1.5	5	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Aluminum	ug/L	256		80.2	200	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Calcium	ug/L	393000		104	200	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Chromium	ug/L	2.3	U	2.3	15	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Hexavalent Chromium	ug/L	5	UR	5	20	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Iron	ug/L	88300		52.2	200	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Magnesium	ug/L	120000		33.3	100	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Manganese	ug/L	3540		0.36	5	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Vanadium	ug/L	1.5		1.5	5	N
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Aluminum, dissolved	ug/L	133		80.2	200	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Calcium, dissolved	ug/L	411000		104	200	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Iron, dissolved	ug/L	76300		52.2	200	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Magnesium, dissolved	ug/L	114000		33.3	100	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Manganese, dissolved	ug/L	3110		0.36	5	Y
DMT-14S	5/22/2006	16:00	REG	DMT14S-052206	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Aluminum	ug/L	1370		80.2	200	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Calcium	ug/L	397000		104	200	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Chromium	ug/L	81		2.3	15	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Iron	ug/L	78200		52.2	200	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Magnesium	ug/L	126000		32.2	100	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Manganese	ug/L	2980		0.36	5	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Vanadium	ug/L	6.5		1.5	5	N
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Calcium, dissolved	ug/L	390000		104	200	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Chromium, dissolved	ug/L	2.7	J	2.3	15	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Iron, dissolved	ug/L	70900		52.2	200	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Magnesium, dissolved	ug/L	125000		32.2	100	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Manganese, dissolved	ug/L	2830		0.36	5	Y
DMT-14S	2/26/2007	13:35	REG	DMT-14S-GRW-022607	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-14S	6/8/2009	9:40	REG	DMT-14S-GRW-060809	Chromium	ug/L	9.4	J	3.4	15	N
DMT-14S	6/8/2009	9:40	REG	DMT-14S-GRW-060809	Trivalent Chromium	ug/L	9.4	J	0.005	0.015	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-14S	6/8/2009	9:40	REG	DMT-14S-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-14S	6/8/2009	9:40	REG	DMT-14S-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Aluminum	ug/L	1470		80.2	200	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Calcium	ug/L	80500		104	200	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Chromium	ug/L	27.9		2.3	15	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Hexavalent Chromium	ug/L	50	UR	50	200	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Iron	ug/L	126000		52.2	200	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Magnesium	ug/L	12400		33.3	100	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Manganese	ug/L	2740		0.36	5	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Vanadium	ug/L	3.8		1.5	5	N
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Aluminum, dissolved	ug/L	702		80.2	200	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Calcium, dissolved	ug/L	78200		104	200	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Iron, dissolved	ug/L	122000		52.2	200	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Magnesium, dissolved	ug/L	12900		33.3	100	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Manganese, dissolved	ug/L	3020		0.36	5	Y
DMT-15S	5/22/2006	13:55	REG	DMT15S-052206	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Aluminum	ug/L	722		80.2	200	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Calcium	ug/L	88300		104	200	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Chromium	ug/L	27.1		2.3	15	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Iron	ug/L	104000		52.2	200	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Magnesium	ug/L	12800		32.2	100	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Manganese	ug/L	2100		0.36	5	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Vanadium	ug/L	1.5		1.5	5	N
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Aluminum, dissolved	ug/L	300		80.2	200	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Calcium, dissolved	ug/L	87700		104	200	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Iron, dissolved	ug/L	103000		52.2	200	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Magnesium, dissolved	ug/L	14300		32.2	100	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Manganese, dissolved	ug/L	2860		0.36	5	Y
DMT-15S	2/28/2007	9:05	REG	DMT-15S-GRW-022807	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-15S	6/8/2009	14:20	REG	DMT-15S-GRW-060809	Chromium	ug/L	4.4	J	3.4	15	N
DMT-15S	6/8/2009	14:20	REG	DMT-15S-GRW-060809	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-15S	6/8/2009	14:20	REG	DMT-15S-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-15S	6/8/2009	14:20	REG	DMT-15S-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Aluminum	ug/L	845		80.2	200	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Calcium	ug/L	97800		104	200	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Chromium	ug/L	24		2.3	15	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Iron	ug/L	2370		52.2	200	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Magnesium	ug/L	9910		33.3	100	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Manganese	ug/L	281		0.36	5	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Vanadium	ug/L	3.7		1.5	5	N
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Aluminum, dissolved	ug/L	130		80.2	200	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Calcium, dissolved	ug/L	90600		104	200	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Iron, dissolved	ug/L	423		52.2	200	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Magnesium, dissolved	ug/L	8200		33.3	100	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Manganese, dissolved	ug/L	236		0.36	5	Y
DMT-16S	5/22/2006	12:50	REG	DMT16S-052206	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Aluminum	ug/L	952		80.2	200	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Calcium	ug/L	117000		104	200	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Chromium	ug/L	53.8		2.3	15	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Iron	ug/L	4490		52.2	200	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Magnesium	ug/L	18900		32.2	100	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Manganese	ug/L	154		0.36	5	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Vanadium	ug/L	4.9		1.5	5	N
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Calcium, dissolved	ug/L	85400		104	200	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Magnesium, dissolved	ug/L	10500		32.2	100	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Manganese, dissolved	ug/L	37.4		0.36	5	Y
DMT-16S	3/1/2007	8:50	REG	DMT-16S-GRW-030107	Vanadium, dissolved	ug/L	1.8		1.5	5	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Aluminum	ug/L	648		80.2	200	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Calcium	ug/L	61500		104	200	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Chromium	ug/L	27		2.3	15	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Hexavalent Chromium	ug/L	50	U	50	200	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Iron	ug/L	758		52.2	200	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Magnesium	ug/L	887		33.3	100	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Manganese	ug/L	25.9		0.36	5	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Vanadium	ug/L	6.1		1.5	5	N
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Aluminum, dissolved	ug/L	108		80.2	200	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Calcium, dissolved	ug/L	62800		104	200	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Magnesium, dissolved	ug/L	539		33.3	100	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Manganese, dissolved	ug/L	0.9		0.36	5	Y
DMT-17S	5/23/2006	8:30	REG	DMT17S-052306	Vanadium, dissolved	ug/L	2.7		1.5	5	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Aluminum	ug/L	807		80.2	200	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Calcium	ug/L	65900		104	200	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Chromium	ug/L	28.2		2.3	15	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Iron	ug/L	1220		52.2	200	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Magnesium	ug/L	672		32.2	100	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Manganese	ug/L	34.1		0.36	5	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Vanadium	ug/L	8.7		1.5	5	N
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Calcium, dissolved	ug/L	36300		104	200	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y

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Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Magnesium, dissolved	ug/L	62.8		32.2	100	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Manganese, dissolved	ug/L	1.6		0.36	5	Y
DMT-17S	2/27/2007	11:00	REG	DMT-17S-GRW-022707	Vanadium, dissolved	ug/L	2.5		1.5	5	Y
DMT-17S	6/4/2009	10:15	REG	DMT-17S-GRW-060409	Chromium	ug/L	3.4	U	3.4	15	N
DMT-17S	6/4/2009	10:15	REG	DMT-17S-GRW-060409	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-17S	6/4/2009	10:15	REG	DMT-17S-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-17S	6/4/2009	10:15	REG	DMT-17S-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-17S	6/4/2009	10:20	FD	DMT-17S-GRW-060409-D	Chromium	ug/L	16.3	B	3.4	15	N
DMT-17S	6/4/2009	10:20	FD	DMT-17S-GRW-060409-D	Trivalent Chromium	ug/L	16		0.005	0.015	N
DMT-17S	6/4/2009	10:20	FD	DMT-17S-GRW-060409-D	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-17S	6/4/2009	10:20	FD	DMT-17S-GRW-060409-D-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Aluminum	ug/L	3470		80.2	200	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Calcium	ug/L	50300		104	200	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Chromium	ug/L	3300		2.3	15	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Hexavalent Chromium	ug/L	1900		50	200	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Iron	ug/L	2730		52.2	200	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Magnesium	ug/L	460		33.3	100	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Manganese	ug/L	24.3		0.36	5	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Vanadium	ug/L	803		1.5	5	N
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Aluminum, dissolved	ug/L	2780		80.2	200	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Calcium, dissolved	ug/L	54300		104	200	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Chromium, dissolved	ug/L	1930		2.3	15	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Iron, dissolved	ug/L	993		52.2	200	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Magnesium, dissolved	ug/L	232		33.3	100	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Manganese, dissolved	ug/L	13.1		0.36	5	Y
DMT-18S	5/23/2006	9:30	REG	DMT18S-052306	Vanadium, dissolved	ug/L	624		1.5	5	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Aluminum	ug/L	3340		80.2	200	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Calcium	ug/L	36400		104	200	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Chromium	ug/L	4000		2.3	15	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Hexavalent Chromium	ug/L	2580		50	100	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Iron	ug/L	5610		52.2	200	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Magnesium	ug/L	1160		32.2	100	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Manganese	ug/L	55.7		0.36	5	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Vanadium	ug/L	1470		1.5	5	N
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Aluminum, dissolved	ug/L	2160		80.2	200	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Calcium, dissolved	ug/L	27800		104	200	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Chromium, dissolved	ug/L	3210		2.3	15	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Iron, dissolved	ug/L	3060		52.2	200	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Magnesium, dissolved	ug/L	174		32.2	100	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Manganese, dissolved	ug/L	18.2		0.36	5	Y
DMT-18S	2/28/2007	8:40	REG	DMT-18S-GRW-022807	Vanadium, dissolved	ug/L	1480		1.5	5	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Aluminum	ug/L	3020		80.2	200	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Calcium	ug/L	35600		104	200	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Chromium	ug/L	3850		2.3	15	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Hexavalent Chromium	ug/L	3200		100	200	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Iron	ug/L	2650		52.2	200	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Magnesium	ug/L	767		32.2	100	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Manganese	ug/L	32.7		0.36	5	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Vanadium	ug/L	831		1.5	5	N
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Aluminum, dissolved	ug/L	1690		80.2	200	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Calcium, dissolved	ug/L	27600		104	200	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Chromium, dissolved	ug/L	2410		2.3	15	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Iron, dissolved	ug/L	4840		52.2	200	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Magnesium, dissolved	ug/L	252		32.2	100	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Manganese, dissolved	ug/L	28.3		0.36	5	Y
DMT-18S	2/28/2007	8:45	FD	DMT-18S-GRW-022807-D	Vanadium, dissolved	ug/L	2200		1.5	5	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Aluminum	ug/L	80.2		80.2	200	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Calcium	ug/L	40300		104	200	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Chromium	ug/L	2.8	B	2.3	15	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Iron	ug/L	98400		52.2	200	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Magnesium	ug/L	63500		33.3	100	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Manganese	ug/L	3190		0.36	5	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Vanadium	ug/L	1.7		1.5	5	N
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Calcium, dissolved	ug/L	37200		104	200	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Iron, dissolved	ug/L	97700		52.2	200	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Magnesium, dissolved	ug/L	64600		33.3	100	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Manganese, dissolved	ug/L	3310		0.36	5	Y
DMT-19S	5/24/2006	15:40	REG	DMT19S-052406	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Aluminum	ug/L	203		80.2	200	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Calcium	ug/L	69700		104	200	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Chromium	ug/L	5.2	B	2.3	15	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Iron	ug/L	69700		52.2	200	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Magnesium	ug/L	45500		32.2	100	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Manganese	ug/L	2100		0.36	5	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Vanadium	ug/L	1.5		1.5	5	N
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Calcium, dissolved	ug/L	77300		104	200	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Iron, dissolved	ug/L	57400		52.2	200	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Magnesium, dissolved	ug/L	41400		32.2	100	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Manganese, dissolved	ug/L	1950		0.36	5	Y
DMT-19S	2/28/2007	11:20	REG	DMT-19S-GRW-022807	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Aluminum	ug/L	194		80.2	200	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Calcium	ug/L	69400		104	200	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Chromium	ug/L	5	B	2.3	15	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Hexavalent Chromium	ug/L	50	U	50	200	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Iron	ug/L	15000		52.2	200	N

APPENDIX E
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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Magnesium	ug/L	275000		33.3	100	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Manganese	ug/L	1320		0.36	5	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Vanadium	ug/L	2.4		1.5	5	N
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Calcium, dissolved	ug/L	71900		104	200	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Iron, dissolved	ug/L	14200		52.2	200	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Magnesium, dissolved	ug/L	281000		33.3	100	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Manganese, dissolved	ug/L	1390		0.36	5	Y
DMT-20S	5/24/2006	16:30	REG	DMT20S-052406	Vanadium, dissolved	ug/L	1.7		1.5	5	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Aluminum	ug/L	803		80.2	200	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Calcium	ug/L	49100		104	200	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Chromium	ug/L	6.7	B	2.3	15	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Iron	ug/L	6390		52.2	200	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Magnesium	ug/L	92200		32.2	100	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Manganese	ug/L	1370		0.36	5	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Vanadium	ug/L	2.4		1.5	5	N
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Calcium, dissolved	ug/L	51200		104	200	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Iron, dissolved	ug/L	5520		52.2	200	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Magnesium, dissolved	ug/L	93700		32.2	100	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Manganese, dissolved	ug/L	1410		0.36	5	Y
DMT-20S	3/2/2007	10:20	REG	DMT-20S-GRW-030207	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Aluminum	ug/L	140		80.2	200	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Calcium	ug/L	82200		104	200	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Chromium	ug/L	3.1	J	2.3	15	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Iron	ug/L	16600		52.2	200	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Magnesium	ug/L	214000		33.3	100	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Manganese	ug/L	1920		0.36	5	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Vanadium	ug/L	1.5		1.5	5	N
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Calcium, dissolved	ug/L	87600		104	200	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Iron, dissolved	ug/L	9650		52.2	200	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Magnesium, dissolved	ug/L	204000		33.3	100	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Manganese, dissolved	ug/L	2010		0.36	5	Y
DMT-21S	5/24/2006	7:50	REG	DMT21S-052506	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Aluminum	ug/L	2960		200	200	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Calcium	ug/L	90000		5000	5000	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Chromium	ug/L	45.1		10	10	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Iron	ug/L	24900		100	100	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Magnesium	ug/L	286000		5000	5000	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Manganese	ug/L	2170		15	15	N

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Potassium	ug/L	109000		5000	5000	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Silicon	ug/L	12700		200	200	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Sodium	ug/L	1930000		1000000	1000000	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Vanadium	ug/L	50		50	50	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Aluminum, dissolved	ug/L	200	U	200	200	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Calcium, dissolved	ug/L	86800		5000	5000	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Chromium, dissolved	ug/L	10	U	10	10	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Iron, dissolved	ug/L	21900		100	100	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Magnesium, dissolved	ug/L	276000		5000	5000	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Manganese, dissolved	ug/L	2090		15	15	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Silicon, dissolved	ug/L	9180		200	200	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Vanadium, dissolved	ug/L	50		50	50	Y
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Alkalinity, Total as CaCO3	mg/L	1020		20	20	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Carbon Dioxide	mg/L	52.4		5	5	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Chloride	mg/L	3410		40	40	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Total Dissolved Solids	mg/L	6270		10	10	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Total Suspended Solids	mg/L	4	U	4	4	N
DMT-21S	10/4/2006	11:20	REG	DMT-21S-GRW-100406	Sulfate	mg/L	89.4		2	2	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Aluminum	ug/L	2980		80.2	200	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Calcium	ug/L	116000		104	200	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Chromium	ug/L	23500		2.3	15	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Hexavalent Chromium	ug/L	23000		500	2000	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Iron	ug/L	1260		52.2	200	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Magnesium	ug/L	851		33.3	100	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Manganese	ug/L	13.4		0.36	5	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Vanadium	ug/L	39.6		1.5	5	N
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Aluminum, dissolved	ug/L	1770		80.2	200	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Calcium, dissolved	ug/L	121000		104	200	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Chromium, dissolved	ug/L	24400		2.3	15	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Iron, dissolved	ug/L	77.7		52.2	200	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Manganese, dissolved	ug/L	1.8		0.36	5	Y
DMT-22S	5/23/2006	11:30	REG	DMT22S-052306	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Aluminum	ug/L	495		80.2	200	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Calcium	ug/L	22300		104	200	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Chromium	ug/L	16.7		2.3	15	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Hexavalent Chromium	ug/L	5	U	5	20	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Iron	ug/L	591		52.2	200	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Magnesium	ug/L	1350		33.3	100	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Manganese	ug/L	36.4		0.36	5	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Vanadium	ug/L	31.5		1.5	5	N
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Calcium, dissolved	ug/L	24100		104	200	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Chromium, dissolved	ug/L	7.2	J	2.3	15	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Iron, dissolved	ug/L	61.1		52.2	200	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Magnesium, dissolved	ug/L	1160		33.3	100	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Manganese, dissolved	ug/L	2		0.36	5	Y
DMT-23S	5/23/2006	13:10	REG	DMT23S-052306	Vanadium, dissolved	ug/L	25.8		1.5	5	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Aluminum	ug/L	630		200	200	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Calcium	ug/L	27900		5000	5000	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Chromium	ug/L	11.9		10	10	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Iron	ug/L	632		100	100	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Magnesium	ug/L	5000	U	5000	5000	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Manganese	ug/L	22.9		15	15	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Potassium	ug/L	22800		5000	5000	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Silicon	ug/L	51100		400	400	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Sodium	ug/L	591000		250000	250000	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Vanadium	ug/L	50		50	50	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Aluminum, dissolved	ug/L	200	U	200	200	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Calcium, dissolved	ug/L	45700		5000	5000	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Chromium, dissolved	ug/L	10	U	10	10	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Iron, dissolved	ug/L	100	U	100	100	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Magnesium, dissolved	ug/L	5000	U	5000	5000	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Manganese, dissolved	ug/L	15	U	15	15	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Silicon, dissolved	ug/L	41300		200	200	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Vanadium, dissolved	ug/L	50		50	50	Y
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Alkalinity, Total as CaCO3	mg/L	215		5	5	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Carbon Dioxide	mg/L	5	U	5	5	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Chloride	mg/L	957		10	10	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Total Dissolved Solids	mg/L	1820		10	10	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Total Suspended Solids	mg/L	4	U	4	4	N
DMT-23S	10/4/2006	9:10	REG	DMT-23S-GRW-100406	Sulfate	mg/L	22.5		2	2	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Aluminum	ug/L	516		200	200	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Calcium	ug/L	48800		5000	5000	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Chromium	ug/L	10.3		10	10	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Iron	ug/L	490		100	100	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Magnesium	ug/L	5000	U	5000	5000	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Manganese	ug/L	17		15	15	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Potassium	ug/L	35800		5000	5000	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Silicon	ug/L	40300		200	200	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Sodium	ug/L	889000		250000	250000	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Vanadium	ug/L	50		50	50	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Aluminum, dissolved	ug/L	200	U	200	200	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Calcium, dissolved	ug/L	25700		5000	5000	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Chromium, dissolved	ug/L	10.4		10	10	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Iron, dissolved	ug/L	100	U	100	100	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Magnesium, dissolved	ug/L	5000	U	5000	5000	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Manganese, dissolved	ug/L	15	U	15	15	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Silicon, dissolved	ug/L	54100		400	400	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Vanadium, dissolved	ug/L	50		50	50	Y
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Alkalinity, Total as CaCO3	mg/L	212		5	5	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Carbon Dioxide	mg/L	5	U	5	5	N

APPENDIX E
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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Chloride	mg/L	1230		20	20	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Total Dissolved Solids	mg/L	2010		10	10	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Total Suspended Solids	mg/L	165		4	4	N
DMT-23S	10/4/2006	9:20	FD	DMT-23S-GRW-100406-D	Sulfate	mg/L	18.8		2	2	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Aluminum	ug/L	2060		80.2	200	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Calcium	ug/L	229000		104	200	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Chromium	ug/L	11300		2.3	15	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Hexavalent Chromium	ug/L	14000		250	1000	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Iron	ug/L	145		52.2	200	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Magnesium	ug/L	36.9		33.3	100	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Manganese	ug/L	2		0.36	5	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Vanadium	ug/L	8.9		1.5	5	N
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Aluminum, dissolved	ug/L	1890		80.2	200	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Calcium, dissolved	ug/L	230000		104	200	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Chromium, dissolved	ug/L	11400		2.3	15	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-24S	5/24/2006	9:55	REG	DMT24S-052406	Vanadium, dissolved	ug/L	7.1		1.5	5	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Aluminum	ug/L	1810		200	200	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Calcium	ug/L	31400		5000	5000	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Chromium	ug/L	1840		10	10	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Iron	ug/L	1830		100	100	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Magnesium	ug/L	29700		5000	5000	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Manganese	ug/L	26.6		15	15	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Potassium	ug/L	76000		5000	5000	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Silicon	ug/L	4520		200	200	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Sodium	ug/L	2490000		1000000	1000000	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Vanadium	ug/L	850		50	50	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Aluminum, dissolved	ug/L	1450		200	200	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Calcium, dissolved	ug/L	27900		5000	5000	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Chromium, dissolved	ug/L	1630		10	10	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Iron, dissolved	ug/L	1430		100	100	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Magnesium, dissolved	ug/L	25700		5000	5000	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Manganese, dissolved	ug/L	21.5		15	15	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Silicon, dissolved	ug/L	4110		200	200	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Vanadium, dissolved	ug/L	772		50	50	Y
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Alkalinity, Total as CaCO3	mg/L	1490		20	20	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Carbon Dioxide	mg/L	5	U	5	5	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Chloride	mg/L	3260		40	40	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Total Dissolved Solids	mg/L	6970		10	10	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Total Suspended Solids	mg/L	5.9		4	4	N
DMT-24S	10/4/2006	12:30	REG	DMT-24S-GRW-100406	Sulfate	mg/L	9.1		2	2	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Aluminum	ug/L	15400		80.2	200	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Calcium	ug/L	23100		104	200	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Chromium	ug/L	1500		2.3	15	N

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Hexavalent Chromium	ug/L	25	U	25	100	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Iron	ug/L	387		52.2	200	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Magnesium	ug/L	43.4		33.3	100	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Manganese	ug/L	3.3		0.36	5	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Vanadium	ug/L	174		1.5	5	N
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Aluminum, dissolved	ug/L	14400		80.2	200	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Calcium, dissolved	ug/L	22800		104	200	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Chromium, dissolved	ug/L	1070		2.3	15	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Iron, dissolved	ug/L	155		52.2	200	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Magnesium, dissolved	ug/L	33.3		33.3	100	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Manganese, dissolved	ug/L	0.85		0.36	5	Y
DMT-25S	5/24/2006	13:50	REG	DMT25S-052406	Vanadium, dissolved	ug/L	152		1.5	5	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Aluminum	ug/L	18500		200	200	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Calcium	ug/L	24600		5000	5000	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Chromium	ug/L	10800		10	10	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Iron	ug/L	2610		100	100	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Magnesium	ug/L	5000	U	5000	5000	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Manganese	ug/L	15.8		15	15	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Potassium	ug/L	42900		5000	5000	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Silicon	ug/L	41400		200	200	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Sodium	ug/L	2380000		1000000	1000000	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Vanadium	ug/L	1740		50	50	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Aluminum, dissolved	ug/L	19100		200	200	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Calcium, dissolved	ug/L	24000		5000	5000	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Chromium, dissolved	ug/L	10700		10	10	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Iron, dissolved	ug/L	2460		100	100	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Magnesium, dissolved	ug/L	5000	U	5000	5000	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Manganese, dissolved	ug/L	15	U	15	15	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Silicon, dissolved	ug/L	41500		200	200	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Vanadium, dissolved	ug/L	1670		50	50	Y
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Alkalinity, Total as CaCO3	mg/L	5110		50	50	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Carbon Dioxide	mg/L	5	U	5	5	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Chloride	mg/L	576		10	10	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Total Dissolved Solids	mg/L	7990		10	10	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Total Suspended Solids	mg/L	4	U	4	4	N
DMT-25S	10/4/2006	14:10	REG	DMT-25S-GRW-100406	Sulfate	mg/L	36.3		2	2	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Aluminum	ug/L	6780		23	200	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Calcium	ug/L	84900		49	5000	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Chromium	ug/L	3450		0.8	10	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Hexavalent Chromium	ug/L	2500	L	12	100	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Iron	ug/L	430		25	100	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Magnesium	ug/L	109	B	14	5000	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Manganese	ug/L	5.8	B	0.6	15	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Vanadium	ug/L	97.6		1.8	50	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Aluminum, dissolved	ug/L	6950		23	200	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Calcium, dissolved	ug/L	84700		49	5000	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Chromium, dissolved	ug/L	3040		0.8	10	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Iron, dissolved	ug/L	111		25	100	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Magnesium, dissolved	ug/L	38.8	B	14	5000	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Manganese, dissolved	ug/L	2	B	0.6	15	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Vanadium, dissolved	ug/L	55.4		1.8	50	Y
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Alkalinity, Total as CaCO3	mg/L	2030		22	50	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Bromide	mg/L	0.39	B	0.005	0.4	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Carbon Dioxide	mg/L	5		5	5	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Chloride	mg/L	84.3		0.052	2	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Fluoride	mg/L	1.5	B	0.006	3	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Nitrogen, Nitrite	mg/L	0.089		0.001	0.01	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Silica, Dissolved	mg/L	11.1		2.2	10	N
DMT-25S	12/4/2006	10:40	REG	DMT-25S-GRW-120406	Sulfate	mg/L	30.1		0.041	10	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Aluminum	ug/L	2180		80.2	200	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Calcium	ug/L	75800		104	200	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Chromium	ug/L	13.7	B	2.3	15	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Iron	ug/L	25200		52.2	200	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Magnesium	ug/L	267000		32.2	100	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Manganese	ug/L	495		0.36	5	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Vanadium	ug/L	6.3		1.5	5	N
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Calcium, dissolved	ug/L	73900		104	200	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Iron, dissolved	ug/L	20700		52.2	200	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Magnesium, dissolved	ug/L	258000		32.2	100	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Manganese, dissolved	ug/L	483		0.36	5	Y
DMT-26S	2/28/2007	12:30	REG	DMT-26S-GRW-022807	Vanadium, dissolved	ug/L	2		1.5	5	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Aluminum	ug/L	80.2		80.2	200	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Calcium	ug/L	78800		104	200	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Chromium	ug/L	2.3	UJ	2.3	15	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Iron	ug/L	5540		52.2	200	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Magnesium	ug/L	296000		32.2	100	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Manganese	ug/L	715		0.36	5	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Vanadium	ug/L	1.5		1.5	5	N
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Aluminum, dissolved	ug/L	4300		80.2	200	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Calcium, dissolved	ug/L	77900		104	200	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Chromium, dissolved	ug/L	34.8	J	2.3	15	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Iron, dissolved	ug/L	10800		52.2	200	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Magnesium, dissolved	ug/L	295000		32.2	100	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Manganese, dissolved	ug/L	699		0.36	5	Y
DMT-27S	2/27/2007	16:25	REG	DMT-27S-GRW-022707	Vanadium, dissolved	ug/L	12.1		1.5	5	Y
DMT-27S	6/4/2009	12:55	REG	DMT-27S-GRW-060409	Chromium	ug/L	85.6		3.4	15	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-27S	6/4/2009	12:55	REG	DMT-27S-GRW-060409	Trivalent Chromium	ug/L	86		0.005	0.015	N
DMT-27S	6/4/2009	12:55	REG	DMT-27S-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-27S	6/4/2009	12:55	REG	DMT-27S-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Aluminum	ug/L	658		80.2	200	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Calcium	ug/L	70600		104	200	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Chromium	ug/L	7.2	B	2.3	15	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Iron	ug/L	16000		52.2	200	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Magnesium	ug/L	208000		32.2	100	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Manganese	ug/L	1790		0.36	5	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Vanadium	ug/L	2.3		1.5	5	N
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Calcium, dissolved	ug/L	73900		104	200	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Iron, dissolved	ug/L	15500		52.2	200	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Magnesium, dissolved	ug/L	214000		32.2	100	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Manganese, dissolved	ug/L	1860		0.36	5	Y
DMT-28S	3/2/2007	12:25	REG	DMT-28S-GRW-030207	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Aluminum	ug/L	8550		80.2	200	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Calcium	ug/L	165000		104	200	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Chromium	ug/L	10700		11.5	75	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Hexavalent Chromium	ug/L	8480		500	1000	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Iron	ug/L	13000		52.2	200	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Magnesium	ug/L	4070		32.2	100	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Manganese	ug/L	123		0.36	5	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Vanadium	ug/L	178		1.5	5	N
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Aluminum, dissolved	ug/L	1420		80.2	200	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Calcium, dissolved	ug/L	122000		104	200	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Chromium, dissolved	ug/L	6650		2.3	15	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-29S	2/27/2007	12:15	REG	DMT-29S-GRW-022707	Vanadium, dissolved	ug/L	8		1.5	5	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Aluminum	ug/L	51200		401	1000	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Calcium	ug/L	298000		520	1000	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Chromium	ug/L	47300	L	11.5	75	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Hexavalent Chromium	ug/L	25700	J	500	1000	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Iron	ug/L	108000		261	1000	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Magnesium	ug/L	17400		161	500	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Manganese	ug/L	2370		1.8	25	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Vanadium	ug/L	467		7.5	25	N
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Aluminum, dissolved	ug/L	2000		401	1000	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Calcium, dissolved	ug/L	132000		520	1000	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Chromium, dissolved	ug/L	24400	L	11.5	75	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Iron, dissolved	ug/L	261		261	1000	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Magnesium, dissolved	ug/L	161		161	500	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-30S	2/28/2007	16:00	REG	DMT-30S-GRW-022807	Vanadium, dissolved	ug/L	48.1		7.5	25	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Aluminum	ug/L	4680		401	1000	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Calcium	ug/L	60100		316	1000	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Chromium	ug/L	27100	J	11.5	75	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Hexavalent Chromium	ug/L	37100		1000	2000	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Iron	ug/L	3610		261	1000	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Magnesium	ug/L	479		67.5	500	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Manganese	ug/L	47.1		4.2	25	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807	Vanadium	ug/L	330		7.5	25	N
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Aluminum, dissolved	ug/L	2820		401	1000	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Calcium, dissolved	ug/L	39400		316	1000	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Chromium, dissolved	ug/L	34200	J	11.5	75	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Iron, dissolved	ug/L	592		261	1000	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Magnesium, dissolved	ug/L	79.1		67.5	500	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Manganese, dissolved	ug/L	5.7		4.2	25	Y
DMT-30S	10/8/2007	11:10	REG	DMT-30S-GRW-100807-F	Vanadium, dissolved	ug/L	252		7.5	25	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Aluminum	ug/L	2150		80.2	200	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Calcium	ug/L	37900		104	200	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Chromium	ug/L	31.6		2.3	15	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Iron	ug/L	9810		52.2	200	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Magnesium	ug/L	22500		32.2	100	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Manganese	ug/L	706		0.36	5	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Vanadium	ug/L	16.1		1.5	5	N
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Calcium, dissolved	ug/L	37500		104	200	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Iron, dissolved	ug/L	1080		52.2	200	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Magnesium, dissolved	ug/L	21900		32.2	100	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Manganese, dissolved	ug/L	718		0.36	5	Y
DMT-31S	3/1/2007	12:35	REG	DMT-31S-GRW-030107	Vanadium, dissolved	ug/L	3.2		1.5	5	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Aluminum	ug/L	1460		80.2	200	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Calcium	ug/L	144000		104	200	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Chromium	ug/L	50.1		2.3	15	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Iron	ug/L	29400		52.2	200	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Magnesium	ug/L	223000		32.2	100	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Manganese	ug/L	828		0.36	5	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Vanadium	ug/L	7.2		1.5	5	N
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Calcium, dissolved	ug/L	139000		104	200	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Iron, dissolved	ug/L	22400		52.2	200	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Magnesium, dissolved	ug/L	214000		32.2	100	Y
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Manganese, dissolved	ug/L	741		0.36	5	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-32S	3/1/2007	10:30	REG	DMT-32S-GRW-030107	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Aluminum	ug/L	2060		80.2	200	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Calcium	ug/L	224000		104	200	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Chromium	ug/L	25700	L	11.5	75	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Hexavalent Chromium	ug/L	27100	J	500	1000	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Iron	ug/L	337		52.2	200	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Magnesium	ug/L	150		32.2	100	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Manganese	ug/L	4.2		0.36	5	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Vanadium	ug/L	10.3		1.5	5	N
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Aluminum, dissolved	ug/L	1540		80.2	200	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Calcium, dissolved	ug/L	213000		104	200	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Chromium, dissolved	ug/L	24800	L	11.5	75	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-33S	2/27/2007	11:10	REG	DMT-33S-GRW-022707	Vanadium, dissolved	ug/L	3.3		1.5	5	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Aluminum	ug/L	1940		80.2	200	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Calcium	ug/L	229000		104	200	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Chromium	ug/L	24600	J	11.5	75	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Hexavalent Chromium	ug/L	26500	J	500	1000	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Iron	ug/L	387		52.2	200	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Magnesium	ug/L	125		32.2	100	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Manganese	ug/L	5.3		0.36	5	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Vanadium	ug/L	8.2		1.5	5	N
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Aluminum, dissolved	ug/L	1590		80.2	200	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Calcium, dissolved	ug/L	207000		104	200	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Chromium, dissolved	ug/L	25400	J	11.5	75	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Manganese, dissolved	ug/L	0.36		0.36	5	Y
DMT-33S	2/27/2007	11:15	FD	DMT-33S-GRW-022707-D	Vanadium, dissolved	ug/L	4		1.5	5	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Aluminum	ug/L	80.2		80.2	200	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Calcium	ug/L	116000		104	200	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Chromium	ug/L	2.3	U	2.3	15	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Iron	ug/L	74000		52.2	200	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Magnesium	ug/L	139000		32.2	100	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Manganese	ug/L	2870		0.36	5	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Vanadium	ug/L	1.5		1.5	5	N
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Calcium, dissolved	ug/L	112000		104	200	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Iron, dissolved	ug/L	72900		52.2	200	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Magnesium, dissolved	ug/L	133000		32.2	100	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Manganese, dissolved	ug/L	2900		0.36	5	Y
DMT-34M	2/28/2007	10:50	REG	DMT-34M-GRW-022807	Vanadium, dissolved	ug/L	1.5		1.5	5	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-34M	6/4/2009	12:45	REG	DMT-34M-GRW-060409	Chromium	ug/L	10.3	B	3.4	15	N
DMT-34M	6/4/2009	12:45	REG	DMT-34M-GRW-060409	Trivalent Chromium	ug/L	10	J	0.005	0.015	N
DMT-34M	6/4/2009	12:45	REG	DMT-34M-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-34M	6/4/2009	12:45	REG	DMT-34M-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Aluminum	ug/L	1450		80.2	200	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Calcium	ug/L	17500		104	200	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Chromium	ug/L	77.8		2.3	15	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Hexavalent Chromium	ug/L	80.9		5	10	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Iron	ug/L	1430		52.2	200	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Magnesium	ug/L	6850		32.2	100	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Manganese	ug/L	111		0.36	5	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Vanadium	ug/L	16.4		1.5	5	N
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Calcium, dissolved	ug/L	17700		104	200	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Chromium, dissolved	ug/L	71.7		2.3	15	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Magnesium, dissolved	ug/L	6900		32.2	100	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Manganese, dissolved	ug/L	106		0.36	5	Y
DMT-35M	3/2/2007	11:45	REG	DMT-35M-GRW-030207	Vanadium, dissolved	ug/L	6.5		1.5	5	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Aluminum	ug/L	1160		80.2	200	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Calcium	ug/L	15700		63.2	200	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Chromium	ug/L	125	B	2.3	15	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Iron	ug/L	2400		52.2	200	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Magnesium	ug/L	7750		13.5	100	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Manganese	ug/L	136		0.84	5	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Vanadium	ug/L	20.1		1.5	5	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Calcium, dissolved	ug/L	14900		63.2	200	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Chromium, dissolved	ug/L	16.9		2.3	15	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Hexavalent Chromium	ug/L	18.7		5	10	N
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Iron, dissolved	ug/L	76.7		52.2	200	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Magnesium, dissolved	ug/L	7040		13.5	100	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Manganese, dissolved	ug/L	122		0.84	5	Y
DMT-35M	6/19/2007	11:45	REG	DMT-35M-GRW-061907-L	Vanadium, dissolved	ug/L	3.9		1.5	5	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Aluminum	ug/L	218		80.2	200	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Calcium	ug/L	15300		63.2	200	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Chromium	ug/L	29.9	B	2.3	15	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Iron	ug/L	568		52.2	200	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Magnesium	ug/L	7710		13.5	100	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Manganese	ug/L	127		0.84	5	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Vanadium	ug/L	6.9		1.5	5	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Aluminum, dissolved	ug/L	3270		80.2	200	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Calcium, dissolved	ug/L	14400		63.2	200	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Chromium, dissolved	ug/L	42.8		2.3	15	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Hexavalent Chromium	ug/L	20.3		5	10	N
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Iron, dissolved	ug/L	4090		52.2	200	Y

APPENDIX E
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Chromium Transport Study
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Magnesium, dissolved	ug/L	7070		13.5	100	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Manganese, dissolved	ug/L	134		0.84	5	Y
DMT-35M	6/19/2007	11:50	FD	DMT-35M-GRW-061907-LD	Vanadium, dissolved	ug/L	37.8		1.5	5	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Aluminum	ug/L	1630		80.2	200	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Calcium	ug/L	16500		63.2	200	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Chromium	ug/L	64.6	B	2.3	15	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Iron	ug/L	7420		52.2	200	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Magnesium	ug/L	7460		13.5	100	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Manganese	ug/L	173		0.84	5	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107	Vanadium	ug/L	58.9		1.5	5	N
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Calcium, dissolved	ug/L	15300		63.2	200	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Chromium, dissolved	ug/L	8.6	B	2.3	15	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Magnesium, dissolved	ug/L	6940		13.5	100	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Manganese, dissolved	ug/L	130		0.84	5	Y
DMT-35M	10/1/2007	12:40	REG	DMT-35M-GRW-100107-F	Vanadium, dissolved	ug/L	1.9		1.5	5	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Aluminum	ug/L	80.2		80.2	200	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Calcium	ug/L	34700		104	200	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Chromium	ug/L	2.3	U	2.3	15	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Iron	ug/L	1060		52.2	200	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Magnesium	ug/L	10500		32.2	100	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Manganese	ug/L	818		0.36	5	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Vanadium	ug/L	2.2		1.5	5	N
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Calcium, dissolved	ug/L	36300		104	200	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Iron, dissolved	ug/L	993		52.2	200	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Magnesium, dissolved	ug/L	10100		32.2	100	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Manganese, dissolved	ug/L	805		0.36	5	Y
DMT-36M	2/26/2007	15:30	REG	DMT-36M-GRW-022607	Vanadium, dissolved	ug/L	1.7		1.5	5	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Aluminum	ug/L	80.2		80.2	200	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Calcium	ug/L	35200		104	200	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Chromium	ug/L	4	B	2.3	15	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Iron	ug/L	1410		52.2	200	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Magnesium	ug/L	24800		32.2	100	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Manganese	ug/L	4050		0.36	5	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Vanadium	ug/L	2.8		1.5	5	N
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Calcium, dissolved	ug/L	33100		104	200	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Chromium, dissolved	ug/L	3.9	B	2.3	15	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Iron, dissolved	ug/L	1250		52.2	200	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Magnesium, dissolved	ug/L	24200		32.2	100	Y

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Chromium Transport Study
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Manganese, dissolved	ug/L	3760		0.36	5	Y
DMT-37M	2/27/2007	8:50	REG	DMT-37M-GRW-022707	Vanadium, dissolved	ug/L	1.9		1.5	5	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Aluminum	ug/L	80.2		80.2	200	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Calcium	ug/L	38400		104	200	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Chromium	ug/L	2.3	U	2.3	15	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Iron	ug/L	1530		52.2	200	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Magnesium	ug/L	26600		32.2	100	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Manganese	ug/L	4120		0.36	5	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Vanadium	ug/L	3.2		1.5	5	N
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Calcium, dissolved	ug/L	32700		104	200	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Iron, dissolved	ug/L	1260		52.2	200	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Magnesium, dissolved	ug/L	24100		32.2	100	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Manganese, dissolved	ug/L	3710		0.36	5	Y
DMT-37M	2/27/2007	8:55	FD	DMT-37M-GRW-022707-D	Vanadium, dissolved	ug/L	1.6		1.5	5	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Aluminum	ug/L	117		80.2	200	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Calcium	ug/L	18200		104	200	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Chromium	ug/L	6.6	B	2.3	15	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Hexavalent Chromium	ug/L	6.3	J	5	10	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Iron	ug/L	84.4		52.2	200	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Magnesium	ug/L	435		32.2	100	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Manganese	ug/L	6.2		0.36	5	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Vanadium	ug/L	22.6		1.5	5	N
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Calcium, dissolved	ug/L	15600		104	200	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Chromium, dissolved	ug/L	3	J	2.3	15	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Magnesium, dissolved	ug/L	385		32.2	100	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Manganese, dissolved	ug/L	5.5		0.36	5	Y
DMT-38M	3/1/2007	14:55	REG	DMT-38M-GRW-030107	Vanadium, dissolved	ug/L	16.9		1.5	5	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Aluminum	ug/L	1660		80.2	200	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Calcium	ug/L	12500		63.2	200	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Chromium	ug/L	17.1		2.3	15	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Iron	ug/L	480		52.2	200	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Magnesium	ug/L	482		13.5	100	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Manganese	ug/L	16.3		0.84	5	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Vanadium	ug/L	13		1.5	5	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Calcium, dissolved	ug/L	10600		63.2	200	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Chromium, dissolved	ug/L	2.8	J	2.3	15	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Magnesium, dissolved	ug/L	341		13.5	100	Y
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Manganese, dissolved	ug/L	11.6		0.84	5	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-38M	6/18/2007	13:20	REG	DMT-38M-GRW-061807-L	Vanadium, dissolved	ug/L	9.7		1.5	5	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Aluminum	ug/L	1580		80.2	200	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Calcium	ug/L	19900		104	200	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Chromium	ug/L	66.4		2.3	15	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Iron	ug/L	24700		52.2	200	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Magnesium	ug/L	33200		32.2	100	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Manganese	ug/L	3250		0.36	5	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Vanadium	ug/L	4.3		1.5	5	N
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Aluminum, dissolved	ug/L	187		80.2	200	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Calcium, dissolved	ug/L	20200		104	200	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Chromium, dissolved	ug/L	5.8	J	2.3	15	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Iron, dissolved	ug/L	21800		52.2	200	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Magnesium, dissolved	ug/L	33000		32.2	100	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Manganese, dissolved	ug/L	3230		0.36	5	Y
DMT-39S	2/27/2007	15:45	REG	DMT-39S-GRW-022707	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-39S	6/10/2009	9:35	REG	DMT-39S-GRW-061009	Chromium	ug/L	333		3.4	15	N
DMT-39S	6/10/2009	9:35	REG	DMT-39S-GRW-061009	Trivalent Chromium	ug/L	320		0.005	0.015	N
DMT-39S	6/10/2009	9:35	REG	DMT-39S-GRW-061009	Hexavalent Chromium	ug/L	9.9	J	5	10	N
DMT-39S	6/10/2009	9:35	REG	DMT-39S-GRW-061009-F	Chromium, dissolved	ug/L	19		3.4	15	Y
DMT-39S	6/10/2009	9:40	FD	DMT-39S-GRW-061009-D	Chromium	ug/L	332		3.4	15	N
DMT-39S	6/10/2009	9:40	FD	DMT-39S-GRW-061009-D	Trivalent Chromium	ug/L	330		0.005	0.015	N
DMT-39S	6/10/2009	9:40	FD	DMT-39S-GRW-061009-D	Hexavalent Chromium	ug/L	6.4	J	5	10	N
DMT-39S	6/10/2009	9:40	FD	DMT-39S-GRW-061009-D-F	Chromium, dissolved	ug/L	18.7		3.4	15	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Aluminum	ug/L	1560		80.2	200	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Calcium	ug/L	217000		63.2	200	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Chromium	ug/L	35.3		2.3	15	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Hexavalent Chromium	ug/L	5.2	J	5	10	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Iron	ug/L	8660		52.2	200	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Magnesium	ug/L	160000		13.5	100	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Manganese	ug/L	1820		0.84	5	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507	Vanadium	ug/L	5.6		1.5	5	N
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Calcium, dissolved	ug/L	218000		63.2	200	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Iron, dissolved	ug/L	8100		52.2	200	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Magnesium, dissolved	ug/L	158000		13.5	100	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Manganese, dissolved	ug/L	2210		0.84	5	Y
DMT-40S	9/25/2007	13:50	REG	DMT-40S-GRW-092507-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Aluminum	ug/L	1800		80.2	200	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Calcium	ug/L	135000		63.2	200	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Chromium	ug/L	17	B	2.3	15	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Iron	ug/L	12400		52.2	200	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Magnesium	ug/L	68900		13.5	100	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Manganese	ug/L	462		0.84	5	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607	Vanadium	ug/L	9.1		1.5	5	N
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Calcium, dissolved	ug/L	136000		63.2	200	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Iron, dissolved	ug/L	4840		52.2	200	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Magnesium, dissolved	ug/L	72500		13.5	100	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Manganese, dissolved	ug/L	359		0.84	5	Y
DMT-41S	9/26/2007	13:18	REG	DMT-41S-GRW-092607-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-41S	6/5/2009	14:00	REG	DMT-41S-GRW-060509	Chromium	ug/L	5.3	J	3.4	15	N
DMT-41S	6/5/2009	14:00	REG	DMT-41S-GRW-060509	Trivalent Chromium	ug/L	5.3	J	0.005	0.015	N
DMT-41S	6/5/2009	14:00	REG	DMT-41S-GRW-060509	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-41S	6/5/2009	14:00	REG	DMT-41S-GRW-060509-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Aluminum	ug/L	382		80.2	200	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Calcium	ug/L	43800		63.2	200	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Chromium	ug/L	21.2	B	2.3	15	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Iron	ug/L	481		52.2	200	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Magnesium	ug/L	1050		13.5	100	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Manganese	ug/L	20.5		0.84	5	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607	Vanadium	ug/L	9.7		1.5	5	N
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Calcium, dissolved	ug/L	45600		63.2	200	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Magnesium, dissolved	ug/L	573		13.5	100	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Manganese, dissolved	ug/L	0.84		0.84	5	Y
DMT-42S	9/26/2007	10:50	REG	DMT-42S-GRW-092607-F	Vanadium, dissolved	ug/L	5.5		1.5	5	Y
DMT-42S	6/4/2009	11:15	REG	DMT-42S-GRW-060409	Chromium	ug/L	6.7	B	3.4	15	N
DMT-42S	6/4/2009	11:15	REG	DMT-42S-GRW-060409	Trivalent Chromium	ug/L	6.7	J	0.005	0.015	N
DMT-42S	6/4/2009	11:15	REG	DMT-42S-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-42S	6/4/2009	11:15	REG	DMT-42S-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Aluminum	ug/L	9810		401	1000	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Calcium	ug/L	426000		316	1000	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Chromium	ug/L	13600		11.5	75	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Hexavalent Chromium	ug/L	8860		250	500	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Iron	ug/L	13800		261	1000	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Magnesium	ug/L	5580		67.5	500	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Manganese	ug/L	121		4.2	25	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507	Vanadium	ug/L	440		7.5	25	N
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Aluminum, dissolved	ug/L	806		80.2	200	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Calcium, dissolved	ug/L	79800		63.2	200	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Chromium, dissolved	ug/L	2240		2.3	15	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Iron, dissolved	ug/L	817		52.2	200	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Magnesium, dissolved	ug/L	355		13.5	100	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Manganese, dissolved	ug/L	7		0.84	5	Y
DMT-43S	9/25/2007	12:43	REG	DMT-43S-GRW-092507-F	Vanadium, dissolved	ug/L	62.4		1.5	5	Y

APPENDIX E
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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Aluminum	ug/L	22300		80.2	200	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Calcium	ug/L	160000		63.2	200	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Chromium	ug/L	2430	J	2.3	15	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Hexavalent Chromium	ug/L	623		25	50	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Iron	ug/L	8790		52.2	200	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Magnesium	ug/L	3270		13.5	100	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Manganese	ug/L	91.7		0.84	5	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507	Vanadium	ug/L	101		1.5	5	N
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Aluminum, dissolved	ug/L	16700		80.2	200	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Calcium, dissolved	ug/L	150000		63.2	200	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Chromium, dissolved	ug/L	726	J	2.3	15	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Iron, dissolved	ug/L	52.2		52.2	200	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Magnesium, dissolved	ug/L	13.5		13.5	100	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Manganese, dissolved	ug/L	0.84		0.84	5	Y
DMT-44S	9/25/2007	11:18	REG	DMT-44S-GRW-092507-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-44S	6/8/2009	10:15	REG	DMT-44S-GRW-060809	Chromium	ug/L	1460	L	3.4	15	N
DMT-44S	6/8/2009	10:15	REG	DMT-44S-GRW-060809	Trivalent Chromium	ug/L	250	U	0.25	0.5	N
DMT-44S	6/8/2009	10:15	REG	DMT-44S-GRW-060809	Hexavalent Chromium	ug/L	1320	J	250	500	N
DMT-44S	6/8/2009	10:15	REG	DMT-44S-GRW-060809-F	Chromium, dissolved	ug/L	1400	L	3.4	15	Y
DMT-44S	6/8/2009	10:20	FD	DMT-44S-GRW-060809-D	Chromium	ug/L	7650	L	3.4	15	N
DMT-44S	6/8/2009	10:20	FD	DMT-44S-GRW-060809-D	Trivalent Chromium	ug/L	6700		0.25	0.5	N
DMT-44S	6/8/2009	10:20	FD	DMT-44S-GRW-060809-D	Hexavalent Chromium	ug/L	980	J	250	500	N
DMT-44S	6/8/2009	10:20	FD	DMT-44S-GRW-060809-D-F	Chromium, dissolved	ug/L	1360	L	3.4	15	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Aluminum	ug/L	35300		80.2	200	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Calcium	ug/L	7240		63.2	200	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Chromium	ug/L	851		2.3	15	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Hexavalent Chromium	ug/L	39	J	5	10	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Iron	ug/L	4430		52.2	200	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Magnesium	ug/L	425		13.5	100	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Manganese	ug/L	22.7		0.84	5	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607	Vanadium	ug/L	347		1.5	5	N
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Aluminum, dissolved	ug/L	32900		80.2	200	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Calcium, dissolved	ug/L	4770		63.2	200	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Chromium, dissolved	ug/L	404		2.3	15	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Iron, dissolved	ug/L	464		52.2	200	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Magnesium, dissolved	ug/L	13.5		13.5	100	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Manganese, dissolved	ug/L	1.4		0.84	5	Y
DMT-45S	9/26/2007	14:25	REG	DMT-45S-GRW-092607-F	Vanadium, dissolved	ug/L	322		1.5	5	Y
DMT-45S	6/11/2009	11:40	REG	DMT-45S-GRW-061109	Chromium	ug/L	136		3.4	15	N
DMT-45S	6/11/2009	11:40	REG	DMT-45S-GRW-061109	Trivalent Chromium	ug/L	17		0.005	0.015	N
DMT-45S	6/11/2009	11:40	REG	DMT-45S-GRW-061109	Hexavalent Chromium	ug/L	124	J	5	10	N
DMT-45S	6/11/2009	11:40	REG	DMT-45S-GRW-061109-F	Chromium, dissolved	ug/L	122		3.4	15	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Aluminum	ug/L	9860		0.84	1000	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Calcium	ug/L	16100		316	1000	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Chromium	ug/L	15600		11.5	75	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Hexavalent Chromium	ug/L	15600	J	1000	2000	N

APPENDIX E
Groundwater Analytical Data
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Iron	ug/L	5740		261	1000	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Magnesium	ug/L	742		67.5	500	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Manganese	ug/L	30.2		4.2	25	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107	Vanadium	ug/L	89.4		7.5	25	N
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Aluminum, dissolved	ug/L	7620		401	1000	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Calcium, dissolved	ug/L	13100		316	1000	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Chromium, dissolved	ug/L	15000		11.5	75	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Iron, dissolved	ug/L	261		261	1000	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Magnesium, dissolved	ug/L	67.5		67.5	500	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Manganese, dissolved	ug/L	4.2		4.2	25	Y
DMT-46S	10/1/2007	13:50	REG	DMT-46S-GRW-100107-F	Vanadium, dissolved	ug/L	73.9		7.5	25	Y
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Aluminum	ug/L	80.2		80.2	200	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Calcium	ug/L	59800		63.2	200	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Chromium	ug/L	332		2.3	15	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Hexavalent Chromium	ug/L	332		10	20	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Iron	ug/L	52.2		52.2	200	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Magnesium	ug/L	23500		13.5	100	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Manganese	ug/L	22.2		0.84	5	N
DMT-47S	10/2/2007	14:30	REG	DMT-47S-GRW-100207	Vanadium	ug/L	5.1		1.5	5	N
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Aluminum, dissolved	ug/L	238		80.2	200	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Calcium, dissolved	ug/L	59400		63.2	200	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Chromium, dissolved	ug/L	290		2.3	15	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Iron, dissolved	ug/L	153		52.2	200	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Magnesium, dissolved	ug/L	23600		13.5	100	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Manganese, dissolved	ug/L	12		0.84	5	Y
DMT-47S	10/2/2007	13:50	REG	DMT-47S-GRW-100207-F	Vanadium, dissolved	ug/L	6.4		1.5	5	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Aluminum	ug/L	164000		80.2	200	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Calcium	ug/L	90900		63.2	200	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Chromium	ug/L	591		2.3	15	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Trivalent Chromium	ug/L	590		0.005	0.01	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Iron	ug/L	217000		52.2	200	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Magnesium	ug/L	48200		13.5	100	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Manganese	ug/L	1330		0.84	5	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Potassium	ug/L	13700		50.3	500	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Sodium	ug/L	192000		43300	100000	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707	Vanadium	ug/L	436		1.5	5	N
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Aluminum, dissolved	ug/L	12500		80.2	200	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Calcium, dissolved	ug/L	68900		63.2	200	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Chromium, dissolved	ug/L	42.3		2.3	15	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Iron, dissolved	ug/L	15100		52.2	200	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Magnesium, dissolved	ug/L	24800		13.5	100	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Manganese, dissolved	ug/L	630		0.84	5	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Potassium, dissolved	ug/L	4680		50.3	500	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Sodium, dissolved	ug/L	201000		2170	5000	Y
DMT-48S	11/27/2007	14:05	REG	DMT-48S-GRW-112707-F	Vanadium, dissolved	ug/L	27		1.5	5	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Aluminum	ug/L	125		80.2	200	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Calcium	ug/L	58200		63.2	200	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Chromium	ug/L	2.8	J	2.3	15	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Iron	ug/L	6590		52.2	200	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Magnesium	ug/L	211000		13.5	100	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Manganese	ug/L	448		0.84	5	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807	Vanadium	ug/L	1.5		1.5	5	N
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Calcium, dissolved	ug/L	59800		63.2	200	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Iron, dissolved	ug/L	6320		52.2	200	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Magnesium, dissolved	ug/L	217000		13.5	100	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Manganese, dissolved	ug/L	436		0.84	5	Y
DMT-49US	10/8/2007	12:17	REG	DMT-49US-GRW-100807-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Aluminum	ug/L	7500		80.2	200	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Calcium	ug/L	90400		63.2	200	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Chromium	ug/L	31.8		2.3	15	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Iron	ug/L	15100		52.2	200	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Magnesium	ug/L	146000		13.5	100	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Manganese	ug/L	1500		0.84	5	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507	Vanadium	ug/L	26.9		1.5	5	N
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Aluminum, dissolved	ug/L	6290		80.2	200	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Calcium, dissolved	ug/L	84400		63.2	200	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Chromium, dissolved	ug/L	21.6		2.3	15	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Iron, dissolved	ug/L	11600		52.2	200	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Magnesium, dissolved	ug/L	154000		13.5	100	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Manganese, dissolved	ug/L	1320		0.84	5	Y
DMT-50US	9/25/2007	14:20	REG	DMT-50US-GRW-092507-F	Vanadium, dissolved	ug/L	17.8		1.5	5	Y
DMT-50US	6/8/2009	16:45	REG	DMT-50US-GRW-060809	Chromium	ug/L	31.3		3.4	15	N
DMT-50US	6/8/2009	16:45	REG	DMT-50US-GRW-060809	Trivalent Chromium	ug/L	31		0.005	0.015	N
DMT-50US	6/8/2009	16:45	REG	DMT-50US-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-50US	6/8/2009	16:45	REG	DMT-50US-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Aluminum	ug/L	932		80.2	200	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Calcium	ug/L	254000		63.2	200	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Chromium	ug/L	15.9		2.3	15	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Iron	ug/L	32200		52.2	200	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Magnesium	ug/L	257000		13.5	100	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Manganese	ug/L	267		0.84	5	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507	Vanadium	ug/L	1.5		1.5	5	N
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Calcium, dissolved	ug/L	229000		63.2	200	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Iron, dissolved	ug/L	25800		52.2	200	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Magnesium, dissolved	ug/L	224000		13.5	100	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Manganese, dissolved	ug/L	236		0.84	5	Y
DMT-51US	9/25/2007	12:39	REG	DMT-51US-GRW-092507-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Aluminum	ug/L	415		80.2	200	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Calcium	ug/L	51700		63.2	200	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Chromium	ug/L	10.4	J	2.3	15	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Iron	ug/L	410		52.2	200	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Magnesium	ug/L	105000		13.5	100	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Manganese	ug/L	128		0.84	5	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507	Vanadium	ug/L	8.6		1.5	5	N
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Aluminum, dissolved	ug/L	119		80.2	200	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Calcium, dissolved	ug/L	51800		63.2	200	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Chromium, dissolved	ug/L	5.1	J	2.3	15	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Iron, dissolved	ug/L	116		52.2	200	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Magnesium, dissolved	ug/L	105000		13.5	100	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Manganese, dissolved	ug/L	119		0.84	5	Y
DMT-52US	9/25/2007	11:14	REG	DMT-52US-GRW-092507-F	Vanadium, dissolved	ug/L	6.3		1.5	5	Y
DMT-52US	6/8/2009	11:30	REG	DMT-52US-GRW-060809	Chromium	ug/L	6.6	J	3.4	15	N
DMT-52US	6/8/2009	11:30	REG	DMT-52US-GRW-060809	Trivalent Chromium	ug/L	6.6	J	0.005	0.015	N
DMT-52US	6/8/2009	11:30	REG	DMT-52US-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-52US	6/8/2009	11:30	REG	DMT-52US-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Aluminum	ug/L	541		80.2	200	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Calcium	ug/L	60000		63.2	200	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Chromium	ug/L	24.6	B	2.3	15	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Iron	ug/L	7970		52.2	200	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Magnesium	ug/L	92700		13.5	100	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Manganese	ug/L	3720		0.84	5	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807	Vanadium	ug/L	3.5		1.5	5	N
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Calcium, dissolved	ug/L	60700		63.2	200	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Chromium, dissolved	ug/L	2.7	B	2.3	15	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Iron, dissolved	ug/L	4930		52.2	200	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Magnesium, dissolved	ug/L	94300		13.5	100	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Manganese, dissolved	ug/L	3680		0.84	5	Y
DMT-53US	9/28/2007	14:25	REG	DMT-53US-GRW-092807-F	Vanadium, dissolved	ug/L	2.1		1.5	5	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Aluminum	ug/L	4170		80.2	200	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Calcium	ug/L	23300		63.2	200	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Chromium	ug/L	50.1	B	2.3	15	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Iron	ug/L	9630		52.2	200	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Magnesium	ug/L	33500		13.5	100	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Manganese	ug/L	2030		0.84	5	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107	Vanadium	ug/L	24.5		1.5	5	N
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Vanadium	ug/L	1.5		401	5	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Aluminum, dissolved	ug/L	918		80.2	200	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Calcium, dissolved	ug/L	22200		63.2	200	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Chromium, dissolved	ug/L	4.9	B	2.3	15	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Iron, dissolved	ug/L	59.8		52.2	200	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Magnesium, dissolved	ug/L	33600		13.5	100	Y
DMT-54US	10/1/2007	12:07	REG	DMT-54US-GRW-100107-F	Manganese, Dissolved	ug/L	2010		1.5	5	Y
DMT-54US	6/5/2009	14:50	REG	DMT-54US-GRW-060509	Chromium	ug/L	5.5	J	3.4	15	N
DMT-54US	6/5/2009	14:50	REG	DMT-54US-GRW-060509	Trivalent Chromium	ug/L	5.5	J	0.005	0.015	N
DMT-54US	6/5/2009	14:50	REG	DMT-54US-GRW-060509	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-54US	6/5/2009	14:50	REG	DMT-54US-GRW-060509-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Aluminum	ug/L	422		80.2	200	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Calcium	ug/L	111000		63.2	200	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Chromium	ug/L	20.1		2.3	15	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Trivalent Chromium	ug/L	20		0.005	0.01	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Iron	ug/L	4670		52.2	200	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Magnesium	ug/L	11900		13.5	100	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Manganese	ug/L	1460		0.84	5	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Potassium	ug/L	1550		50.3	500	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Sodium	ug/L	18200		433	1000	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707	Vanadium	ug/L	1.9	J	1.5	5	N
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Calcium, dissolved	ug/L	115000		63.2	200	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Iron, dissolved	ug/L	3280		52.2	200	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Magnesium, dissolved	ug/L	12200		13.5	100	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Manganese, dissolved	ug/L	1480		0.84	5	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Potassium, dissolved	ug/L	1840		50.3	500	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Sodium, dissolved	ug/L	17700		433	1000	Y
DMT-55S	11/27/2007	12:50	REG	DMT-55S-GRW-112707-F	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Aluminum	ug/L	12300		80.2	200	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Calcium	ug/L	285000		63.2	200	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Chromium	ug/L	585		2.3	15	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Iron	ug/L	60600		52.2	200	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Magnesium	ug/L	226000		13.5	100	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Manganese	ug/L	902		0.84	5	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707	Vanadium	ug/L	56.9		1.5	5	N
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Calcium, dissolved	ug/L	269000		63.2	200	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Iron, dissolved	ug/L	36200		52.2	200	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Magnesium, dissolved	ug/L	220000		13.5	100	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Manganese, dissolved	ug/L	738		0.84	5	Y
DMT-56S	9/27/2007	13:15	REG	DMT-56S-GRW-092707-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Aluminum	ug/L	1900		80.2	200	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Calcium	ug/L	111000		63.2	200	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Chromium	ug/L	334		2.3	15	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Iron	ug/L	15900		52.2	200	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Magnesium	ug/L	243000		13.5	100	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Manganese	ug/L	756		0.84	5	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707	Vanadium	ug/L	21.4		1.5	5	N
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Calcium, dissolved	ug/L	114000		63.2	200	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Iron, dissolved	ug/L	9220		52.2	200	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Magnesium, dissolved	ug/L	261000		13.5	100	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Manganese, dissolved	ug/L	756		0.84	5	Y
DMT-57S	9/27/2007	12:28	REG	DMT-57S-GRW-092707-F	Vanadium, dissolved	ug/L	1.6		1.5	5	Y
DMT-57S	6/9/2009	14:20	REG	DMT-57S-GRW-060909	Chromium	ug/L	487		3.4	15	N
DMT-57S	6/9/2009	14:20	REG	DMT-57S-GRW-060909	Trivalent Chromium	ug/L	490		0.005	0.015	N
DMT-57S	6/9/2009	14:20	REG	DMT-57S-GRW-060909	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-57S	6/9/2009	14:20	REG	DMT-57S-GRW-060909-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Aluminum	ug/L	902		80.2	200	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Calcium	ug/L	111000		63.2	200	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Chromium	ug/L	85.9		2.3	15	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Iron	ug/L	2530		52.2	200	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Magnesium	ug/L	191000		13.5	100	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Manganese	ug/L	388		0.84	5	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707	Vanadium	ug/L	9.3		1.5	5	N
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Calcium, dissolved	ug/L	107000		63.2	200	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Iron, dissolved	ug/L	748		52.2	200	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Magnesium, dissolved	ug/L	187000		13.5	100	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Manganese, dissolved	ug/L	358		0.84	5	Y
DMT-58S	9/27/2007	11:38	REG	DMT-58S-GRW-092707-F	Vanadium, dissolved	ug/L	2.8		1.5	5	Y
DMT-58S	6/11/2009	10:30	REG	DMT-58S-061109	Chromium	ug/L	11300		17	75	N
DMT-58S	6/11/2009	10:30	REG	DMT-58S-061109	Trivalent Chromium	ug/L	500	U	0.5	1	N
DMT-58S	6/11/2009	10:30	REG	DMT-58S-061109	Hexavalent Chromium	ug/L	14200	J	500	1000	N
DMT-58S	6/11/2009	10:30	REG	DMT-58S-061109-F	Chromium, dissolved	ug/L	11100		17	75	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Aluminum	ug/L	78100		80.2	200	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Calcium	ug/L	18900		63.2	200	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Chromium	ug/L	415		2.3	15	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Trivalent Chromium	ug/L	420		0.005	0.015	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Iron	ug/L	167000		52.2	200	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Magnesium	ug/L	37100		13.5	100	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Manganese	ug/L	2880		0.84	5	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Potassium	ug/L	6160		50.3	500	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Sodium	ug/L	150000		43300	100000	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907	Vanadium	ug/L	560		1.5	5	N
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Aluminum, dissolved	ug/L	3550		80.2	200	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Calcium, dissolved	ug/L	18700		63.2	200	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Chromium, dissolved	ug/L	5.8	J	2.3	15	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Iron, dissolved	ug/L	3150		52.2	200	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Magnesium, dissolved	ug/L	35000		13.5	100	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Manganese, dissolved	ug/L	2720		0.84	5	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Potassium, dissolved	ug/L	2630		50.3	500	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Sodium, dissolved	ug/L	124000		2170	5000	Y
DMT-59S	11/29/2007	12:00	REG	DMT-59S-GRW-112907-F	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-59S	6/10/2009	15:20	REG	DMT-59S-GRW-061009	Chromium	ug/L	13.6	J	3.4	15	N
DMT-59S	6/10/2009	15:20	REG	DMT-59S-GRW-061009	Trivalent Chromium	ug/L	14	J	0.005	0.015	N
DMT-59S	6/10/2009	15:20	REG	DMT-59S-GRW-061009	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-59S	6/10/2009	15:20	REG	DMT-59S-GRW-061009-F	Chromium, dissolved	ug/L	5	J	3.4	15	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Aluminum	ug/L	420		80.2	200	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Calcium	ug/L	19100		63.2	200	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Chromium	ug/L	3.2	J	2.3	15	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Trivalent Chromium	ug/L	5	U	0.005	0.01	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Iron	ug/L	236		52.2	200	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Magnesium	ug/L	12400		13.5	100	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Manganese	ug/L	285		0.84	5	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Potassium	ug/L	4290		50.3	500	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Sodium	ug/L	34600		433	1000	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707	Vanadium	ug/L	2.5	J	1.5	5	N
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Aluminum, dissolved	ug/L	532		80.2	200	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Calcium, dissolved	ug/L	20800		63.2	200	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Chromium, dissolved	ug/L	3.7	J	2.3	15	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Iron, dissolved	ug/L	228		52.2	200	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Magnesium, dissolved	ug/L	12900		13.5	100	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Manganese, dissolved	ug/L	305		0.84	5	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Potassium, dissolved	ug/L	4850		50.3	500	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Sodium, dissolved	ug/L	31900		433	1000	Y
DMT-60M	11/27/2007	10:25	REG	DMT-60M-GRW-112707-F	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Calcium	ug/L	19600		63.2	200	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Chromium	ug/L	2.3	U	2.3	15	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Trivalent Chromium	ug/L	5	U	0.005	0.01	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Iron	ug/L	52.2	U	52.2	200	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Magnesium	ug/L	12700		13.5	100	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Manganese	ug/L	304		0.84	5	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Potassium	ug/L	4390		50.3	500	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Sodium	ug/L	35000		433	1000	N
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-D	Vanadium	ug/L	1.5	U	1.5	5	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Calcium, dissolved	ug/L	21200		63.2	200	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Iron, dissolved	ug/L	52.2	U	52.2	200	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Magnesium, dissolved	ug/L	12600		13.5	100	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Manganese, dissolved	ug/L	323		0.84	5	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Potassium, dissolved	ug/L	5170		50.3	500	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Sodium, dissolved	ug/L	33800		433	1000	Y
DMT-60M	11/27/2007	10:25	FD	DMT-60M-GRW-112707-FD	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-60M	6/10/2009	14:40	REG	DMT-60M-GRW-061009	Chromium	ug/L	4	J	3.4	15	N
DMT-60M	6/10/2009	14:40	REG	DMT-60M-GRW-061009	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-60M	6/10/2009	14:40	REG	DMT-60M-GRW-061009	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-60M	6/10/2009	14:40	REG	DMT-60M-GRW-061009-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Aluminum	ug/L	174	J	80.2	200	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Calcium	ug/L	10100		63.2	200	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Chromium	ug/L	2.8	J	2.3	15	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Trivalent Chromium	ug/L	5	U	0.005	0.01	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Iron	ug/L	4830		52.2	200	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Magnesium	ug/L	8320		13.5	100	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Manganese	ug/L	806		0.84	5	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Potassium	ug/L	1180		50.3	500	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Sodium	ug/L	20800		433	1000	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607	Vanadium	ug/L	1.5	U	1.5	5	N
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Calcium, dissolved	ug/L	10300		63.2	200	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Iron, dissolved	ug/L	4610		52.2	200	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Magnesium, dissolved	ug/L	8140		13.5	100	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Manganese, dissolved	ug/L	754		0.84	5	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Potassium, dissolved	ug/L	1310		50.3	500	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Sodium, dissolved	ug/L	19500		433	1000	Y
DMT-61S	11/26/2007	12:45	REG	DMT-61S-GRW-112607-F	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Aluminum	ug/L	579		80.2	200	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Calcium	ug/L	13200		63.2	200	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Chromium	ug/L	15.8		2.3	15	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Trivalent Chromium	ug/L	16		0.005	0.01	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Iron	ug/L	24200		52.2	200	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Magnesium	ug/L	13900		13.5	100	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Manganese	ug/L	747		0.84	5	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Potassium	ug/L	1270		50.3	500	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Sodium	ug/L	26300		433	1000	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607	Vanadium	ug/L	1.9	J	1.5	5	N
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Calcium, dissolved	ug/L	13400		63.2	200	Y

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Iron, dissolved	ug/L	23400		52.2	200	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Magnesium, dissolved	ug/L	13500		13.5	100	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Manganese, dissolved	ug/L	735		0.84	5	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Potassium, dissolved	ug/L	1340		50.3	500	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Sodium, dissolved	ug/L	25000		433	1000	Y
DMT-62S	11/26/2007	14:10	REG	DMT-62S-GRW-112607-F	Vanadium, dissolved	ug/L	1.5	U	1.5	5	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Aluminum	ug/L	1350		401	1000	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Calcium	ug/L	351	U	351	1000	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Chromium	ug/L	1300		15	75	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Hexavalent Chromium	ug/L	45		5	10	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Iron	ug/L	3210		261	1000	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Magnesium	ug/L	67.5	U	67.5	500	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Manganese	ug/L	7.7	J	4.2	25	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Potassium	ug/L	7540		252	2500	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Sodium	ug/L	966000		10800	25000	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Titanium	ug/L	64.5		19	50	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008	Vanadium	ug/L	120		12.5	25	N
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Aluminum, dissolved	ug/L	401	U	401	1000	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Calcium, dissolved	ug/L	409	J	351	1000	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Chromium, dissolved	ug/L	1190		15	75	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Iron, dissolved	ug/L	1270		261	1000	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Magnesium, dissolved	ug/L	67.5	U	67.5	500	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Manganese, dissolved	ug/L	4.2	U	4.2	25	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Potassium, dissolved	ug/L	8640		252	2500	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Sodium, dissolved	ug/L	1100000		10800	25000	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Titanium, dissolved	ug/L	32.7	J	19	50	Y
DMT-63S	11/20/2008	9:35	REG	DMT-63US-GRW-112008F	Vanadium, dissolved	ug/L	132		12.5	25	Y
DMT-63S	6/9/2009	17:00	REG	DMT-63S-GRW-060909	Chromium	ug/L	893		3.4	15	N
DMT-63S	6/9/2009	17:00	REG	DMT-63S-GRW-060909	Trivalent Chromium	ug/L	870		0.005	0.015	N
DMT-63S	6/9/2009	17:00	REG	DMT-63S-GRW-060909	Hexavalent Chromium	ug/L	21.9	J	5	10	N
DMT-63S	6/9/2009	17:00	REG	DMT-63S-GRW-060909-F	Chromium, dissolved	ug/L	740		3.4	15	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Aluminum	ug/L	256		80.2	200	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Calcium	ug/L	30400		70.2	200	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Chromium	ug/L	3	U	3	15	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Iron	ug/L	3740		52.2	200	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Magnesium	ug/L	154000		13.5	100	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Manganese	ug/L	138		0.84	5	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Potassium	ug/L	64300		252	2500	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Sodium	ug/L	1600000		8660	20000	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Titanium	ug/L	7.6	J	3.8	10	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Calcium, dissolved	ug/L	26200		70.2	200	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Chromium, dissolved	ug/L	3	U	3	15	Y

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Iron, dissolved	ug/L	2470		52.2	200	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Magnesium, dissolved	ug/L	152000		13.5	100	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Manganese, dissolved	ug/L	134		0.84	5	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Potassium, dissolved	ug/L	68100		252	2500	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Sodium, dissolved	ug/L	1460000		21700	50000	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-64US	11/18/2008	9:50	REG	DMT-64US-GRW-111808F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-64US	6/4/2009	9:15	REG	DMT-64US-GRW-060409	Chromium	ug/L	6.8	B	3.4	15	N
DMT-64US	6/4/2009	9:15	REG	DMT-64US-GRW-060409	Trivalent Chromium	ug/L	6.8	J	0.005	0.015	N
DMT-64US	6/4/2009	9:15	REG	DMT-64US-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-64US	6/4/2009	9:15	REG	DMT-64US-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Aluminum	ug/L	379		80.2	200	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Calcium	ug/L	76300		70.2	200	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Chromium	ug/L	11.1	B	3	15	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Iron	ug/L	4260		52.2	200	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Magnesium	ug/L	139000		13.5	100	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Manganese	ug/L	833		0.84	5	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Potassium	ug/L	138000		252	2500	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Sodium	ug/L	2270000		21700	50000	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Titanium	ug/L	13.3		3.8	10	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Calcium, dissolved	ug/L	76600		70.2	200	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Iron, dissolved	ug/L	3210		52.2	200	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Magnesium, dissolved	ug/L	139000		13.5	100	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Manganese, dissolved	ug/L	848		0.84	5	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Potassium, dissolved	ug/L	50.3	U	50.3	500	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Sodium, dissolved	ug/L	1940000		21700	50000	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Titanium, dissolved	ug/L	4	J	3.8	10	Y
DMT-65US	11/18/2008	11:10	REG	DMT-65US-GRW-111808F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Aluminum	ug/L	161	J	80.2	200	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Calcium	ug/L	77400		70.2	200	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Chromium	ug/L	9.1	B	3	15	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Iron	ug/L	3940		52.2	200	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Magnesium	ug/L	138000		13.5	100	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Manganese	ug/L	831		0.84	5	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Potassium	ug/L	135000		252	2500	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Sodium	ug/L	2080000		21700	50000	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Titanium	ug/L	8.3	J	3.8	10	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-D	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Calcium, dissolved	ug/L	79300		70.2	200	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Chromium, dissolved	ug/L	3	U	3	15	Y

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Iron, dissolved	ug/L	3210		52.2	200	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Magnesium, dissolved	ug/L	144000		13.5	100	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Manganese, dissolved	ug/L	873		0.84	5	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Potassium, dissolved	ug/L	79300		503	5000	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Sodium, dissolved	ug/L	1860000		21700	50000	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Titanium, dissolved	ug/L	4	J	3.8	10	Y
DMT-65US	11/18/2008	11:15	FD	DMT-65US-GRW-111808-DF	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-65US	6/4/2009	10:55	REG	DMT-65US-GRW-060409	Chromium	ug/L	4.8	B	3.4	15	N
DMT-65US	6/4/2009	10:55	REG	DMT-65US-GRW-060409	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-65US	6/4/2009	10:55	REG	DMT-65US-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-65US	6/4/2009	10:55	REG	DMT-65US-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Aluminum	ug/L	343		80.2	200	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Calcium	ug/L	104000		70.2	200	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Chromium	ug/L	13.2	J	3	15	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Iron	ug/L	28800		52.2	200	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Magnesium	ug/L	183000		13.5	100	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Manganese	ug/L	2010		0.84	5	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Potassium	ug/L	95900		50.3	500	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Sodium	ug/L	4760000		21700	50000	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Titanium	ug/L	14.5		3.8	10	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908	Vanadium	ug/L	2.8	J	2.5	5	N
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Calcium, dissolved	ug/L	102000		70.2	200	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Chromium, dissolved	ug/L	3.4	J	3	15	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Iron, dissolved	ug/L	27600		52.2	200	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Magnesium, dissolved	ug/L	178000		13.5	100	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Manganese, dissolved	ug/L	1960		0.84	5	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Potassium, dissolved	ug/L	94100		50.3	500	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Sodium, dissolved	ug/L	4140000		43300	100000	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-67US	11/19/2008	13:35	REG	DMT-67US-GRW-111908F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-67US	6/8/2009	15:40	REG	DMT-67US-GRW-060809	Chromium	ug/L	7.3	J	3.4	15	N
DMT-67US	6/8/2009	15:40	REG	DMT-67US-GRW-060809	Trivalent Chromium	ug/L	7.3	J	0.005	0.015	N
DMT-67US	6/8/2009	15:40	REG	DMT-67US-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-67US	6/8/2009	15:40	REG	DMT-67US-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Aluminum	ug/L	10500		80.2	200	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Calcium	ug/L	342000		70.2	200	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Chromium	ug/L	228		3	15	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Iron	ug/L	108000		52.2	200	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Magnesium	ug/L	195000		13.5	100	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Manganese	ug/L	3310		0.84	5	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Potassium	ug/L	87000		50.3	500	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Sodium	ug/L	4300000		43300	100000	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Titanium	ug/L	223		3.8	10	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908	Vanadium	ug/L	44.9		2.5	5	N
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Calcium, dissolved	ug/L	344000		70.2	200	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Chromium, dissolved	ug/L	3.5	J	3	15	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Iron, dissolved	ug/L	91300		52.2	200	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Magnesium, dissolved	ug/L	191000		13.5	100	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Manganese, dissolved	ug/L	3180		0.84	5	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Potassium, dissolved	ug/L	86300		50.3	500	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Sodium, dissolved	ug/L	4860000		43300	100000	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-70US	11/19/2008	10:05	REG	DMT-70US-GRW-111908F	Vanadium, dissolved	ug/L	2.5	J	2.5	5	Y
DMT-70US	6/8/2009	11:25	REG	DMT-70US-GRW-060809	Chromium	ug/L	26.1		3.4	15	N
DMT-70US	6/8/2009	11:25	REG	DMT-70US-GRW-060809	Trivalent Chromium	ug/L	26		0.005	0.015	N
DMT-70US	6/8/2009	11:25	REG	DMT-70US-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-70US	6/8/2009	11:25	REG	DMT-70US-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Calcium	ug/L	351000		70.2	200	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Chromium	ug/L	7.5	J	3	15	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Iron	ug/L	112000		52.2	200	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Magnesium	ug/L	190000		13.5	100	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Manganese	ug/L	3640		0.84	5	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Potassium	ug/L	73000		50.3	500	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Sodium	ug/L	4640000		43300	100000	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Titanium	ug/L	3.8	U	3.8	10	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908	Vanadium	ug/L	2.8	J	2.5	5	N
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Calcium, dissolved	ug/L	350000		70.2	200	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Iron, dissolved	ug/L	111000		52.2	200	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Magnesium, dissolved	ug/L	189000		13.5	100	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Manganese, dissolved	ug/L	3640		0.84	5	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Potassium, dissolved	ug/L	73400		50.3	500	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Sodium, dissolved	ug/L	4420000		43300	100000	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-71US	11/19/2008	11:25	REG	DMT-71US-GRW-111908F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Calcium	ug/L	363000		70.2	200	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Chromium	ug/L	6.2	J	3	15	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Iron	ug/L	116000		52.2	200	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Magnesium	ug/L	196000		13.5	100	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Manganese	ug/L	3770		0.84	5	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Potassium	ug/L	75800		50.3	500	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Sodium	ug/L	4860000		43300	100000	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Titanium	ug/L	3.8	U	3.8	10	N

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-D	Vanadium	ug/L	2.8	J	2.5	5	N
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Calcium, dissolved	ug/L	359000		70.2	200	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Iron, dissolved	ug/L	115000		52.2	200	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Magnesium, dissolved	ug/L	195000		13.5	100	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Manganese, dissolved	ug/L	3730		0.84	5	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Potassium, dissolved	ug/L	75000		50.3	500	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Sodium, dissolved	ug/L	4650000		43300	100000	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-71US	11/19/2008	11:30	FD	DMT-71US-GRW-111908-DF	Vanadium, dissolved	ug/L	2.6	J	2.5	5	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Aluminum	ug/L	117	J	80.2	200	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Calcium	ug/L	362000		70.2	200	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Chromium	ug/L	4.6	J	3	15	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Iron	ug/L	84600		52.2	200	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Magnesium	ug/L	229000		13.5	100	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Manganese	ug/L	4020		0.84	5	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Potassium	ug/L	85900		50.3	500	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Sodium	ug/L	2100000		43300	100000	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Titanium	ug/L	3.8	U	3.8	10	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Calcium, dissolved	ug/L	362000		70.2	200	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Iron, dissolved	ug/L	83900		52.2	200	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Magnesium, dissolved	ug/L	225000		13.5	100	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Manganese, dissolved	ug/L	4000		0.84	5	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Potassium, dissolved	ug/L	85100		50.3	500	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Sodium, dissolved	ug/L	2070000		43300	100000	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-72US	11/19/2008	15:25	REG	DMT-72US-GRW-111908F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-72US	6/5/2009	12:00	REG	DMT-72US-GRW-060509	Chromium	ug/L	6.2	J	3.4	15	N
DMT-72US	6/5/2009	12:00	REG	DMT-72US-GRW-060509	Trivalent Chromium	ug/L	6.2	J	0.005	0.015	N
DMT-72US	6/5/2009	12:00	REG	DMT-72US-GRW-060509	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-72US	6/5/2009	12:00	REG	DMT-72US-GRW-060509-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Calcium	ug/L	21600		70.2	200	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Chromium	ug/L	3	U	3	15	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Iron	ug/L	15200		52.2	200	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Magnesium	ug/L	19300		13.5	100	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Manganese	ug/L	1680		0.84	5	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Potassium	ug/L	4570		50.3	500	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Sodium	ug/L	99900		433	1000	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Titanium	ug/L	5.9	J	3.8	10	N

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Calcium, dissolved	ug/L	23300		70.2	200	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Iron, dissolved	ug/L	16000		52.2	200	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Magnesium, dissolved	ug/L	20400		13.5	100	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Manganese, dissolved	ug/L	1840		0.84	5	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Potassium, dissolved	ug/L	5320		50.3	500	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Sodium, dissolved	ug/L	96500		2170	5000	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-73US	11/18/2008	13:40	REG	DMT-73US-GRW-111808F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-73US	6/10/2009	10:00	REG	DMT-73US-GRW-061009	Chromium	ug/L	8.2	J	3.4	15	N
DMT-73US	6/10/2009	10:00	REG	DMT-73US-GRW-061009	Trivalent Chromium	ug/L	8.2	J	0.005	0.015	N
DMT-73US	6/10/2009	10:00	REG	DMT-73US-GRW-061009	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-73US	6/10/2009	10:00	REG	DMT-73US-GRW-061009-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Aluminum	ug/L	524		80.2	200	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Calcium	ug/L	45300		70.2	200	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Chromium	ug/L	3	U	3	15	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Iron	ug/L	19400		52.2	200	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Magnesium	ug/L	27400		13.5	100	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Manganese	ug/L	1330		0.84	5	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Potassium	ug/L	6580		50.3	500	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Sodium	ug/L	113000		2170	5000	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Titanium	ug/L	11.4		3.8	10	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Calcium, dissolved	ug/L	43600		70.2	200	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Iron, dissolved	ug/L	16800		52.2	200	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Magnesium, dissolved	ug/L	26000		13.5	100	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Manganese, dissolved	ug/L	1240		0.84	5	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Potassium, dissolved	ug/L	6200		50.3	500	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Sodium, dissolved	ug/L	111000		2170	5000	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-74US	11/17/2008	16:30	REG	DMT-74US-GRW-111708F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Aluminum	ug/L	122	J	80.2	200	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Calcium	ug/L	44900		70.2	200	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Chromium	ug/L	3	U	3	15	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Iron	ug/L	35000		52.2	200	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Magnesium	ug/L	29300		13.5	100	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Manganese	ug/L	1720		0.84	5	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Potassium	ug/L	9220		50.3	500	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Sodium	ug/L	197000		2170	5000	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Titanium	ug/L	3.8	U	3.8	10	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Calcium, dissolved	ug/L	47400		70.2	200	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Iron, dissolved	ug/L	36500		52.2	200	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Magnesium, dissolved	ug/L	29800		13.5	100	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Manganese, dissolved	ug/L	1800		0.84	5	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Potassium, dissolved	ug/L	9260		50.3	500	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Sodium, dissolved	ug/L	192000		2170	5000	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-75US	11/17/2008	12:40	REG	DMT-75US-GRW-111708F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Aluminum	ug/L	227		80.2	200	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Calcium	ug/L	20800		70.2	200	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Chromium	ug/L	3	U	3	15	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Iron	ug/L	11300		52.2	200	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Magnesium	ug/L	7020		13.5	100	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Manganese	ug/L	388		0.84	5	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Potassium	ug/L	5570		50.3	500	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Sodium	ug/L	116000		2170	5000	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Titanium	ug/L	5.8	J	3.8	10	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Aluminum, dissolved	ug/L	18600		80.2	200	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Calcium, dissolved	ug/L	26800		70.2	200	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Chromium, dissolved	ug/L	9	J	3	15	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Iron, dissolved	ug/L	20500		52.2	200	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Magnesium, dissolved	ug/L	11200		13.5	100	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Manganese, dissolved	ug/L	509		0.84	5	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Potassium, dissolved	ug/L	8450		50.3	500	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Sodium, dissolved	ug/L	109000		2170	5000	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Titanium, dissolved	ug/L	42.1		3.8	10	Y
DMT-77M	11/18/2008	16:20	REG	DMT-77M-GRW-111808F	Vanadium, dissolved	ug/L	18.4		2.5	5	Y
DMT-77M	6/8/2009	17:40	REG	DMT-77M-GRW-060809	Chromium	ug/L	62.6		3.4	15	N
DMT-77M	6/8/2009	17:40	REG	DMT-77M-GRW-060809	Trivalent Chromium	ug/L	63		0.005	0.015	N
DMT-77M	6/8/2009	17:40	REG	DMT-77M-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-77M	6/8/2009	17:40	REG	DMT-77M-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Aluminum	ug/L	2850		80.2	200	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Calcium	ug/L	50100		70.2	200	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Chromium	ug/L	7.9	B	3	15	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Iron	ug/L	54900		52.2	200	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Magnesium	ug/L	96100		13.5	100	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Manganese	ug/L	806		0.84	5	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Potassium	ug/L	52400		50.3	500	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Sodium	ug/L	849000		4330	10000	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Titanium	ug/L	55.3		3.8	10	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808	Vanadium	ug/L	7.5		2.5	5	N
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Calcium, dissolved	ug/L	49100		70.2	200	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Iron, dissolved	ug/L	52000		52.2	200	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Magnesium, dissolved	ug/L	97200		13.5	100	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Manganese, dissolved	ug/L	806		0.84	5	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Potassium, dissolved	ug/L	55900		50.3	500	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Sodium, dissolved	ug/L	716000		8660	20000	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-78M	11/18/2008	11:35	REG	DMT-78M-GRW-111808F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Calcium	ug/L	18200		70.2	200	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Chromium	ug/L	3	U	3	15	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Iron	ug/L	5820		52.2	200	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Magnesium	ug/L	5300		13.5	100	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Manganese	ug/L	548		0.84	5	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Potassium	ug/L	2800		50.3	500	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Sodium	ug/L	26900		433	1000	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Titanium	ug/L	3.8	U	3.8	10	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Calcium, dissolved	ug/L	17800		70.2	200	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Iron, dissolved	ug/L	5560		52.2	200	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Magnesium, dissolved	ug/L	5250		13.5	100	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Manganese, dissolved	ug/L	540		0.84	5	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Potassium, dissolved	ug/L	2790		50.3	500	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Sodium, dissolved	ug/L	27000		433	1000	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-79M	11/17/2008	12:18	REG	DMT-79M-GRW-111708F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Aluminum	ug/L	921		80.2	200	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Calcium	ug/L	50700		70.2	200	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Chromium	ug/L	3	U	3	15	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Iron	ug/L	13700		52.2	200	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Magnesium	ug/L	34200		13.5	100	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Manganese	ug/L	345		0.84	5	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Potassium	ug/L	8590		50.3	500	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Sodium	ug/L	134000		2170	5000	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Titanium	ug/L	11.9		3.8	10	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Calcium, dissolved	ug/L	51000		70.2	200	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Chromium, dissolved	ug/L	3	U	3	15	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Iron, dissolved	ug/L	12900		52.2	200	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Magnesium, dissolved	ug/L	33900		13.5	100	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Manganese, dissolved	ug/L	339		0.84	5	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Potassium, dissolved	ug/L	8420		50.3	500	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Sodium, dissolved	ug/L	131000		2170	5000	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-80M	11/17/2008	16:25	REG	DMT-80M-GRW-111708F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Calcium	ug/L	6320		70.2	200	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Chromium	ug/L	3	U	3	15	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Iron	ug/L	1520		52.2	200	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Magnesium	ug/L	1670		13.5	100	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Manganese	ug/L	101		0.84	5	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Potassium	ug/L	1240		50.3	500	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Sodium	ug/L	6270		433	1000	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Titanium	ug/L	3.8	U	3.8	10	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Calcium, dissolved	ug/L	6160		70.2	200	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Iron, dissolved	ug/L	1370		52.2	200	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Magnesium, dissolved	ug/L	1620		13.5	100	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Manganese, dissolved	ug/L	98.1		0.84	5	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Potassium, dissolved	ug/L	1210		50.3	500	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Sodium, dissolved	ug/L	5900		433	1000	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-81D	11/19/2008	14:40	REG	DMT-81D-GRW-111908F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-81D	6/11/2009	8:30	REG	DMT-81D-061109	Chromium	ug/L	4	B	3.4	15	N
DMT-81D	6/11/2009	8:30	REG	DMT-81D-061109	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-81D	6/11/2009	8:30	REG	DMT-81D-061109	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-81D	6/11/2009	8:30	REG	DMT-81D-061109-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Aluminum	ug/L	9220		80.2	200	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Calcium	ug/L	10900		70.2	200	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Chromium	ug/L	19.3		3	15	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Iron	ug/L	12000		52.2	200	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Magnesium	ug/L	4060		13.5	100	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Manganese	ug/L	732		0.84	5	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Potassium	ug/L	2670		50.3	500	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Sodium	ug/L	39500		433	1000	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Titanium	ug/L	51.9		3.8	10	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908	Vanadium	ug/L	21.3		2.5	5	N
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Aluminum, dissolved	ug/L	703		80.2	200	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Calcium, dissolved	ug/L	7100		70.2	200	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Chromium, dissolved	ug/L	3	U	3	15	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Iron, dissolved	ug/L	2650		52.2	200	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Magnesium, dissolved	ug/L	2170		13.5	100	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Manganese, dissolved	ug/L	484		0.84	5	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Potassium, dissolved	ug/L	2060		50.3	500	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Sodium, dissolved	ug/L	37500		433	1000	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Titanium, dissolved	ug/L	7.9	J	3.8	10	Y
DMT-82D	11/19/2008	11:00	REG	DMT-82D-GRW-111908F	Vanadium, dissolved	ug/L	2.9	J	2.5	5	Y
DMT-82D	6/10/2009	15:15	REG	DMT-82D-GRW-061009	Chromium	ug/L	8.3	J	3.4	15	N
DMT-82D	6/10/2009	15:15	REG	DMT-82D-GRW-061009	Trivalent Chromium	ug/L	8.3	J	0.005	0.015	N
DMT-82D	6/10/2009	15:15	REG	DMT-82D-GRW-061009	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-82D	6/10/2009	15:15	REG	DMT-82D-GRW-061009-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Aluminum	ug/L	80.2	U	80.2	200	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Calcium	ug/L	8120		70.2	200	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Chromium	ug/L	3	U	3	15	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Hexavalent Chromium	ug/L	5	UJ	5	10	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Iron	ug/L	12000		52.2	200	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Magnesium	ug/L	2220		13.5	100	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Manganese	ug/L	304		0.84	5	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Potassium	ug/L	1430		50.3	500	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Sodium	ug/L	11700		433	1000	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Titanium	ug/L	3.8	U	3.8	10	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808	Vanadium	ug/L	2.5	U	2.5	5	N
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Calcium, dissolved	ug/L	8090		70.2	200	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Chromium, dissolved	ug/L	3	U	3	15	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Iron, dissolved	ug/L	11400		52.2	200	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Magnesium, dissolved	ug/L	2240		13.5	100	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Manganese, dissolved	ug/L	305		0.84	5	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Potassium, dissolved	ug/L	1400		50.3	500	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Sodium, dissolved	ug/L	11800		433	1000	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
DMT-83D	11/18/2008	15:45	REG	DMT-83D-GRW-111808F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
DMT-83D	6/10/2009	10:10	REG	DMT-83D-GRW-061009	Chromium	ug/L	3.4	U	3.4	15	N
DMT-83D	6/10/2009	10:10	REG	DMT-83D-GRW-061009	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
DMT-83D	6/10/2009	10:10	REG	DMT-83D-GRW-061009	Hexavalent Chromium	ug/L	5	U	5	10	N
DMT-83D	6/10/2009	10:10	REG	DMT-83D-GRW-061009-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Aluminum	ug/L	1900		23	200	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Calcium	ug/L	23700		49	5000	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Chromium	ug/L	29		0.8	10	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Hexavalent Chromium	ug/L	10	UL	1.2	10	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Iron	ug/L	4400		25	100	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Magnesium	ug/L	3710	B	14	5000	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Manganese	ug/L	146		0.6	15	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Vanadium	ug/L	16.3	B	1.8	50	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Aluminum, dissolved	ug/L	25	B	23	200	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Calcium, dissolved	ug/L	66500		49	5000	Y

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EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Chromium, dissolved	ug/L	3.2	B	0.8	10	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Iron, dissolved	ug/L	4740		25	100	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Magnesium, dissolved	ug/L	20400		14	5000	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Manganese, dissolved	ug/L	834		0.6	15	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Alkalinity, Total as CaCO3	mg/L	55.9		2.2	5	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Bromide	mg/L	0.08	B	0.005	0.15	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Carbon Dioxide	mg/L	6.1		5	5	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Chloride	mg/L	41.2		0.052	2	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Fluoride	mg/L	0.061	B	0.0012	0.1	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Nitrogen, Nitrate	mg/L	1.2		0.11	0.11	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Nitrogen, Nitrate + Nitrite	mg/L	1.3		0.004	0.1	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Nitrogen, Nitrite	mg/L	0.11		0.001	0.01	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Silica, Dissolved	mg/L	1		0.22	1	N
EA-5M	12/4/2006	12:20	REG	EA-5M-GRW-120406-01	Sulfate	mg/L	19.4		0.041	10	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Aluminum	ug/L	3780		23	200	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Calcium	ug/L	34700		49	5000	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Chromium	ug/L	85.9		0.8	10	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Iron	ug/L	9230		25	100	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Magnesium	ug/L	7870		14	5000	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Manganese	ug/L	466		0.6	15	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Vanadium	ug/L	27.6	B	1.8	50	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Aluminum, dissolved	ug/L	23.1	B	23	200	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Calcium, dissolved	ug/L	36900		49	5000	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Chromium, dissolved	ug/L	5.8	B	0.8	10	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Iron, dissolved	ug/L	1660		25	100	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Magnesium, dissolved	ug/L	8290		14	5000	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Manganese, dissolved	ug/L	466		0.6	15	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Vanadium, dissolved	ug/L	3.6	B	1.8	50	Y
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Alkalinity, Total as CaCO3	mg/L	141		2.2	5	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Bromide	mg/L	0.89		0.005	0.15	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Carbon Dioxide	mg/L	60.3		5	5	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Chloride	mg/L	325		0.052	2	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Fluoride	mg/L	0.12		0.0012	0.1	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Silica, Dissolved	mg/L	15.4		0.22	1	N
EA-5M	12/4/2006	14:10	REG	EA-5M-GRW-120406-02	Sulfate	mg/L	77.9		0.041	10	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Aluminum	ug/L	3920		23	200	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Calcium	ug/L	34300		49	5000	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Chromium	ug/L	86.7		0.8	10	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Iron	ug/L	9130		25	100	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Magnesium	ug/L	7780		14	5000	N

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EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Manganese	ug/L	458		0.6	15	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Vanadium	ug/L	26.7	B	1.8	50	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Aluminum, dissolved	ug/L	26.3	B	23	200	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Calcium, dissolved	ug/L	47400		49	5000	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Chromium, dissolved	ug/L	4.7	B	0.8	10	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Iron, dissolved	ug/L	5500		25	100	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Magnesium, dissolved	ug/L	11100		14	5000	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Manganese, dissolved	ug/L	753		0.6	15	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Vanadium, dissolved	ug/L	3.3	B	1.8	50	Y
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Alkalinity, Total as CaCO3	mg/L	146		2.2	5	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Bromide	mg/L	0.88		0.005	0.15	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Carbon Dioxide	mg/L	40.3		5	5	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Chloride	mg/L	313		0.052	2	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Fluoride	mg/L	0.12		0.0012	0.1	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Nitrogen, Nitrate	mg/L	0.3		0.11	0.11	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Nitrogen, Nitrate + Nitrite	mg/L	0.3		0.004	0.1	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Silica, Dissolved	mg/L	13.7		0.22	1	N
EA-5M	12/4/2006	14:15	FD	EA-5M-GRW-120406-02-D	Sulfate	mg/L	78.8		0.041	10	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Aluminum	ug/L	1660		23	200	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Calcium	ug/L	58500		49	5000	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Chromium	ug/L	20.4		0.8	10	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Hexavalent Chromium	ug/L	10	UL	1.2	10	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Iron	ug/L	33100		25	100	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Magnesium	ug/L	34300		14	5000	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Manganese	ug/L	3680		0.6	15	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Vanadium	ug/L	5.2	B	1.8	50	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Calcium, dissolved	ug/L	63700		49	5000	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Chromium, dissolved	ug/L	0.89	B	0.8	10	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Iron, dissolved	ug/L	33300		25	100	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Magnesium, dissolved	ug/L	37700		14	5000	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Manganese, dissolved	ug/L	4040		0.6	15	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Alkalinity, Total as CaCO3	mg/L	87.6		2.2	5	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Bromide	mg/L	1.2		0.005	0.15	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Carbon Dioxide	mg/L	133		5	5	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Chloride	mg/L	289		0.052	2	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Fluoride	mg/L	0.07	B	0.0012	0.1	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Nitrogen, Nitrate	mg/L	0.11	UB	0.11	0.11	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Silica, Dissolved	mg/L	21.1		0.22	1	N
EA-6M	11/29/2006	10:00	REG	EA-6M-GRW-112906-01	Sulfate	mg/L	176		0.041	2	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Aluminum	ug/L	245		23	200	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Calcium	ug/L	61000		49	5000	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Chromium	ug/L	1.5	B	0.8	10	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Iron	ug/L	32000		25	100	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Magnesium	ug/L	36100		14	5000	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Manganese	ug/L	3870		0.6	15	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Vanadium	ug/L	50	U	1.8	50	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Calcium, dissolved	ug/L	62900		49	5000	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Chromium, dissolved	ug/L	1.5	B	0.8	10	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Iron, dissolved	ug/L	32800		25	100	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Magnesium, dissolved	ug/L	37300		14	5000	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Manganese, dissolved	ug/L	3990		0.6	15	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Alkalinity, Total as CaCO3	mg/L	87.6		2.2	5	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Bromide	mg/L	1.2		0.005	0.15	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Carbon Dioxide	mg/L	76.5		5	5	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Chloride	mg/L	288		0.052	2	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Fluoride	mg/L	0.086	B	0.0012	0.1	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Nitrogen, Nitrate	mg/L	0.11	UB	0.11	0.11	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Silica, Dissolved	mg/L	24.1		0.22	1	N
EA-6M	11/29/2006	10:45	REG	EA-6M-GRW-112906-02	Sulfate	mg/L	179		0.041	2	N
EA-6M	6/4/2009	15:15	REG	EA-06M-GRW-060409	Chromium	ug/L	3.4	U	3.4	15	N
EA-6M	6/4/2009	15:15	REG	EA-06M-GRW-060409	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
EA-6M	6/4/2009	15:15	REG	EA-06M-GRW-060409	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-6M	6/4/2009	15:15	REG	EA-06M-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Aluminum	ug/L	3800		23	200	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Calcium	ug/L	233000		49	5000	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Chromium	ug/L	147		0.8	10	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Hexavalent Chromium	ug/L	130		1.2	10	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Iron	ug/L	73.8	B	25	100	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Magnesium	ug/L	45.7	B	14	5000	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Manganese	ug/L	2.1	B	0.6	15	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Vanadium	ug/L	1.9	B	1.8	50	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Aluminum, dissolved	ug/L	3740		23	200	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Calcium, dissolved	ug/L	255000		49	5000	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Chromium, dissolved	ug/L	166		0.8	10	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Iron, dissolved	ug/L	100	U	25	100	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Magnesium, dissolved	ug/L	5000	U	14	5000	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Manganese, dissolved	ug/L	15	U	0.6	15	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Alkalinity, Total as CaCO3	mg/L	1530		22	50	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Bromide	mg/L	0.085	B	0.005	0.15	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Carbon Dioxide	mg/L	5	UB	5	5	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Chloride	mg/L	54.7		0.052	2	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Fluoride	mg/L	0.2	U	0.0024	0.2	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Nitrogen, Nitrate	mg/L	0.11	UB	0.11	0.11	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Nitrogen, Nitrate + Nitrite	mg/L	0.0081	B	0.004	0.1	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Nitrogen, Nitrite	mg/L	0.0087	B	0.001	0.01	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Silica, Dissolved	mg/L	1.8		0.22	1	N
EA-6S	11/29/2006	12:55	REG	EA-6S-GRW-112906	Sulfate	mg/L	9.4		0.041	2	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Aluminum	ug/L	682		80.2	200	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Calcium	ug/L	32400		104	200	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Chromium	ug/L	17.6	B	2.3	15	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Hexavalent Chromium	ug/L	5	U	5	10	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Iron	ug/L	24900		52.2	200	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Magnesium	ug/L	13600		32.2	100	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Manganese	ug/L	1360		0.36	5	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Vanadium	ug/L	2.6		1.5	5	N
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Calcium, dissolved	ug/L	32900		104	200	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Iron, dissolved	ug/L	18300		52.2	200	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Magnesium, dissolved	ug/L	12800		32.2	100	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Manganese, dissolved	ug/L	1420		0.36	5	Y
EA-7M	3/1/2007	13:25	REG	EA-7M-GRW-030107	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EA-7M	6/9/2009	11:00	REG	EA-07M-GRW-060909	Chromium	ug/L	11.2	J	3.4	15	N
EA-7M	6/9/2009	11:00	REG	EA-07M-GRW-060909	Trivalent Chromium	ug/L	11	J	0.005	0.015	N
EA-7M	6/9/2009	11:00	REG	EA-07M-GRW-060909	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-7M	6/9/2009	11:00	REG	EA-07M-GRW-060909-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Aluminum	ug/L	80.2		80.2	200	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Calcium	ug/L	32200		104	200	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Chromium	ug/L	17.7		2.3	15	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Hexavalent Chromium	ug/L	5	U	5	10	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Iron	ug/L	4510		52.2	200	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Magnesium	ug/L	24000		32.2	100	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Manganese	ug/L	4690		0.36	5	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Vanadium	ug/L	1.5		1.5	5	N
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Calcium, dissolved	ug/L	30300		104	200	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Chromium, dissolved	ug/L	2.8	J	2.3	15	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Iron, dissolved	ug/L	3930		52.2	200	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Magnesium, dissolved	ug/L	22600		32.2	100	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Manganese, dissolved	ug/L	4580		0.36	5	Y
EA-8M	2/28/2007	16:30	REG	EA-8M-GRW-022807	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Aluminum	ug/L	80.2		80.2	200	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Calcium	ug/L	29700		63.2	200	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Chromium	ug/L	2.8	B	2.3	15	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Iron	ug/L	6120		52.2	200	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Magnesium	ug/L	22300		13.5	100	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Manganese	ug/L	4460		0.84	5	N
EA-8M	10/1/2007	13:35	REG	EA-8M-GRW-100107	Vanadium	ug/L	1.5		1.5	5	N
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Aluminum, dissolved	ug/L	802		802	2000	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Calcium, dissolved	ug/L	29400		632	2000	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Iron, dissolved	ug/L	5130		522	2000	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Magnesium, dissolved	ug/L	22300		135	1000	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Manganese, dissolved	ug/L	4540		8.4	50	Y
EA-8M	10/1/2007	13:55	REG	EA-8M-GRW-100107-F	Vanadium, dissolved	ug/L	15		15	50	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Aluminum	ug/L	80.2		80.2	200	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Calcium	ug/L	122000		520	1000	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Chromium	ug/L	33500		11.5	75	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Hexavalent Chromium	ug/L	37000	R	1000	2000	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Iron	ug/L	52.2		52.2	200	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Magnesium	ug/L	32.2		32.2	100	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Manganese	ug/L	0.36		0.36	5	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Vanadium	ug/L	1.5		1.5	5	N
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Aluminum, dissolved	ug/L	401		401	1000	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Calcium, dissolved	ug/L	721000		520	1000	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Chromium, dissolved	ug/L	30900		11.5	75	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Iron, dissolved	ug/L	261		261	1000	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Magnesium, dissolved	ug/L	161		161	500	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Manganese, dissolved	ug/L	0.36		0.36	5	Y
EA-8S	2/28/2007	14:25	REG	EA-8S-GRW-022807	Vanadium, dissolved	ug/L	10.6		7.5	25	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Aluminum	ug/L	80.2		80.2	200	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Calcium	ug/L	20600		520	1000	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Chromium	ug/L	31700	J	11.5	75	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Hexavalent Chromium	ug/L	35200	R	1000	2000	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Iron	ug/L	52.2		52.2	200	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Magnesium	ug/L	32.2		32.2	100	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Manganese	ug/L	0.36		0.36	5	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Vanadium	ug/L	1.5		1.5	5	N
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Aluminum, dissolved	ug/L	401		401	1000	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Calcium, dissolved	ug/L	717000		520	1000	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Chromium, dissolved	ug/L	31900	J	11.5	75	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Iron, dissolved	ug/L	261		261	1000	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Magnesium, dissolved	ug/L	161		161	500	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Manganese, dissolved	ug/L	0.36		0.36	5	Y
EA-8S	2/28/2007	14:30	FD	EA-8S-GRW-022807-D	Vanadium, dissolved	ug/L	13.7		7.5	25	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Aluminum	ug/L	306		80.2	200	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Calcium	ug/L	751000		1580	5000	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Chromium	ug/L	30800		57.5	375	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Hexavalent Chromium	ug/L	29000	J	2500	5000	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Iron	ug/L	408		52.2	200	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Magnesium	ug/L	385		13.5	100	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Manganese	ug/L	7.5		0.84	5	N

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807	Vanadium	ug/L	3.6		1.5	5	N
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Aluminum, dissolved	ug/L	83.9		80.2	200	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Calcium, dissolved	ug/L	700000		1580	5000	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Chromium, dissolved	ug/L	30000		57.5	375	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Iron, dissolved	ug/L	52.2		52.2	200	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Magnesium, dissolved	ug/L	13.5		13.5	100	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Manganese, dissolved	ug/L	0.84		0.84	5	Y
EA-8S	9/28/2007	12:28	REG	EA-8S-GRW-092807-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Aluminum	ug/L	3320		80.2	200	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Calcium	ug/L	130000		104	200	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Chromium	ug/L	55.2		2.3	15	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Hexavalent Chromium	ug/L	5	U	5	10	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Iron	ug/L	24400		52.2	200	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Magnesium	ug/L	26800		32.2	100	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Manganese	ug/L	1750		0.36	5	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Vanadium	ug/L	18		1.5	5	N
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Calcium, dissolved	ug/L	90100		104	200	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Iron, dissolved	ug/L	2470		52.2	200	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Magnesium, dissolved	ug/L	18100		32.2	100	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Manganese, dissolved	ug/L	850		0.36	5	Y
EA-10M	3/1/2007	10:00	REG	EA-10M-GRW-030107	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Aluminum	ug/L	98.1		80.2	200	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Calcium	ug/L	29300		104	200	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Chromium	ug/L	23.6	J	2.3	15	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Iron	ug/L	160		52.2	200	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Magnesium	ug/L	1900		32.2	100	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Manganese	ug/L	36		0.36	5	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Vanadium	ug/L	42.6		1.5	5	N
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Aluminum, dissolved	ug/L	109		80.2	200	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Calcium, dissolved	ug/L	23600		104	200	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Chromium, dissolved	ug/L	26	J	2.3	15	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Iron, dissolved	ug/L	52.2		52.2	200	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Magnesium, dissolved	ug/L	425		32.2	100	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Manganese, dissolved	ug/L	3.4		0.36	5	Y
EA-10S	3/1/2007	14:35	REG	EA-10S-GRW-030107	Vanadium, dissolved	ug/L	66.6		1.5	5	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Aluminum	ug/L	1340		23	200	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Calcium	ug/L	54600		49	5000	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Chromium	ug/L	8.5	J	0.8	10	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Hexavalent Chromium	ug/L	10	U	3	10	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Iron	ug/L	16800		25	100	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Magnesium	ug/L	35200		14	5000	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Manganese	ug/L	2600		0.6	15	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Vanadium	ug/L	2.4	B	1.8	50	N

APPENDIX E
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Chromium Transport Study
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EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Calcium, dissolved	ug/L	55100		49	5000	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Chromium, dissolved	ug/L	10	U	0.8	10	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Iron, dissolved	ug/L	12500		25	100	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Magnesium, dissolved	ug/L	34900		14	5000	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Manganese, dissolved	ug/L	2550		0.6	15	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Alkalinity, Total as CaCO3	mg/L	88.7		2.2	5	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Bromide	mg/L	1.4		0.005	0.15	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Carbon Dioxide	mg/L	35.4		5	5	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Chloride	mg/L	354		0.052	2	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Fluoride	mg/L	0.1		0.0012	0.1	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Nitrogen, Nitrate + Nitrite	mg/L	0.023	B	0.004	0.1	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Silica, Dissolved	mg/L	13.5		0.22	1	N
EA-11M	12/1/2006	12:20	REG	EA-11M-GRW-120106-01	Sulfate	mg/L	191		0.041	20	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Aluminum	ug/L	5750		23	200	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Calcium	ug/L	54800		49	5000	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Chromium	ug/L	47.3		0.8	10	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Hexavalent Chromium	ug/L	10	U	3	10	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Iron	ug/L	67900		25	100	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Magnesium	ug/L	37700		14	5000	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Manganese	ug/L	2750		0.6	15	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Vanadium	ug/L	16.5	B	1.8	50	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Calcium, dissolved	ug/L	52500		49	5000	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Chromium, dissolved	ug/L	1	J	0.8	10	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Iron, dissolved	ug/L	47600		25	100	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Magnesium, dissolved	ug/L	36100		14	5000	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Manganese, dissolved	ug/L	2580		0.6	15	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Alkalinity, Total as CaCO3	mg/L	145		2.2	5	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Bromide	mg/L	1.4		0.005	0.15	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Carbon Dioxide	mg/L	68		5	5	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Chloride	mg/L	357		0.052	2	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Fluoride	mg/L	0.1		0.0012	0.1	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Nitrogen, Nitrate + Nitrite	mg/L	0.083	B	0.004	0.1	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Silica, Dissolved	mg/L	16.5		0.22	1	N
EA-11M	12/1/2006	13:45	REG	EA-11M-GRW-120106-02	Sulfate	mg/L	190		0.041	20	N
EA-11M	6/8/2009	14:30	REG	EA-11M-GRW-060809	Chromium	ug/L	14	J	3.4	15	N
EA-11M	6/8/2009	14:30	REG	EA-11M-GRW-060809	Trivalent Chromium	ug/L	14	J	0.005	0.015	N
EA-11M	6/8/2009	14:30	REG	EA-11M-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-11M	6/8/2009	14:30	REG	EA-11M-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Aluminum	ug/L	1580		23	200	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Calcium	ug/L	69000		49	5000	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Chromium	ug/L	8.4	J	0.8	10	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Hexavalent Chromium	ug/L	10	U	3	10	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Iron	ug/L	1970		25	100	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Magnesium	ug/L	11500		14	5000	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Manganese	ug/L	899		0.6	15	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Vanadium	ug/L	4.6	B	1.8	50	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Calcium, dissolved	ug/L	65300		49	5000	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Chromium, dissolved	ug/L	10	U	0.8	10	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Iron, dissolved	ug/L	604		25	100	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Magnesium, dissolved	ug/L	11100		14	5000	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Manganese, dissolved	ug/L	788		0.6	15	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Alkalinity, Total as CaCO3	mg/L	150		2.2	5	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Bromide	mg/L	0.067	B	0.005	0.15	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Carbon Dioxide	mg/L	6.8		5	5	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Chloride	mg/L	172		0.052	2	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Fluoride	mg/L	0.8		0.0012	0.1	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Silica, Dissolved	mg/L	12.9		0.22	1	N
EA-11S	12/1/2006	10:45	REG	EA-11S-GRW-120106	Sulfate	mg/L	92.9		0.041	20	N
EA-11S	6/8/2009	13:00	REG	EA-11S-GRW-060809	Chromium	ug/L	3.4	U	3.4	15	N
EA-11S	6/8/2009	13:00	REG	EA-11S-GRW-060809	Trivalent Chromium	ug/L	5	U	0.005	0.015	N
EA-11S	6/8/2009	13:00	REG	EA-11S-GRW-060809	Hexavalent Chromium	ug/L	5	UJ	5	10	N
EA-11S	6/8/2009	13:00	REG	EA-11S-GRW-060809-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Aluminum	ug/L	20600		23	200	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Calcium	ug/L	109000		49	5000	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Chromium	ug/L	935		0.8	10	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Hexavalent Chromium	ug/L	24		3	10	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Iron	ug/L	97900		25	100	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Magnesium	ug/L	47100		14	5000	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Manganese	ug/L	4070		0.6	15	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Vanadium	ug/L	118		1.8	50	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Calcium, dissolved	ug/L	53100		49	5000	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Chromium, dissolved	ug/L	3.4	B	0.8	10	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Iron, dissolved	ug/L	35800		25	100	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Magnesium, dissolved	ug/L	48100		14	5000	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Manganese, dissolved	ug/L	3220		0.6	15	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Alkalinity, Total as CaCO3	mg/L	121		2.2	5	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Bromide	mg/L	2.3		0.005	0.15	N

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Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Carbon Dioxide	mg/L	192		5	5	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Chloride	mg/L	580		0.16	6	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Fluoride	mg/L	0.087	B	0.0012	0.2	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Silica, Dissolved	mg/L	18.7		0.22	1	N
EA-13M	12/5/2006	8:20	REG	EA-13M-GRW-120506-1	Sulfate	mg/L	221		0.041	10	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Aluminum	ug/L	130	B	23	200	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Calcium	ug/L	52100		49	5000	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Chromium	ug/L	5.8	B	0.8	10	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Hexavalent Chromium	ug/L	6	B	3	10	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Iron	ug/L	37400		25	100	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Magnesium	ug/L	51100		14	5000	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Manganese	ug/L	3380		0.6	15	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Vanadium	ug/L	50	U	1.8	50	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Calcium, dissolved	ug/L	49000		49	5000	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Chromium, dissolved	ug/L	5.9	B	0.8	10	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Iron, dissolved	ug/L	35400		25	100	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Magnesium, dissolved	ug/L	48900		14	5000	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Manganese, dissolved	ug/L	3240		0.6	15	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Alkalinity, Total as CaCO3	mg/L	125		2.2	5	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Bromide	mg/L	2.2		0.005	0.15	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Carbon Dioxide	mg/L	151		5	5	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Chloride	mg/L	537		0.1	4	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Fluoride	mg/L	0.075	B	0.0012	0.1	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Silica, Dissolved	mg/L	20.6		0.22	1	N
EA-13M	12/5/2006	9:40	REG	EA-13M-GRW-120506-2	Sulfate	mg/L	215		0.041	10	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Aluminum	ug/L	619		23	200	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Calcium	ug/L	64500		49	5000	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Chromium	ug/L	6.9	J	0.8	10	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Hexavalent Chromium	ug/L	10	U	3	10	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Iron	ug/L	60600		25	100	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Magnesium	ug/L	90300		14	5000	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Manganese	ug/L	2690		0.6	15	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Vanadium	ug/L	3.4	B	1.8	50	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Calcium, dissolved	ug/L	63800		49	5000	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Chromium, dissolved	ug/L	3.6	J	0.8	10	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Iron, dissolved	ug/L	60200		25	100	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Magnesium, dissolved	ug/L	91600		14	5000	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Manganese, dissolved	ug/L	2710		0.6	15	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Alkalinity, Total as CaCO3	mg/L	235		2.2	5	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Bromide	mg/L	4.1		0.005	0.15	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Carbon Dioxide	mg/L	139		5	5	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Chloride	mg/L	1210		0.52	20	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Fluoride	mg/L	0.13		0.0012	0.1	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Nitrogen, Nitrate	mg/L	0.15	U	0.15	0.15	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Nitrogen, Nitrite	mg/L	0.05	U	0.005	0.05	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Silica, Dissolved	mg/L	16.7		0.22	1	N
EA-15M	12/1/2006	8:05	REG	EA-15M-GRW-120106-01	Sulfate	mg/L	226		0.041	20	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Aluminum	ug/L	44.3	B	23	200	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Calcium	ug/L	60700		49	5000	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Chromium	ug/L	3.8	J	0.8	10	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Hexavalent Chromium	ug/L	10	U	3	10	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Iron	ug/L	59100		25	100	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Magnesium	ug/L	89000		14	5000	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Manganese	ug/L	2700		0.6	15	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Vanadium	ug/L	50	U	1.8	50	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Aluminum, dissolved	ug/L	200	U	23	200	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Calcium, dissolved	ug/L	62600		49	5000	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Chromium, dissolved	ug/L	1.9	J	0.8	10	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Iron, dissolved	ug/L	60900		25	100	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Magnesium, dissolved	ug/L	91300		14	5000	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Manganese, dissolved	ug/L	2780		0.6	15	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Alkalinity, Total as CaCO3	mg/L	237		2.2	5	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Bromide	mg/L	4.1		0.005	0.15	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Carbon Dioxide	mg/L	125		5	5	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Chloride	mg/L	1200		0.52	20	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Fluoride	mg/L	0.13		0.0012	0.1	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Nitrogen, Nitrate	mg/L	0.15	U	0.15	0.15	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Nitrogen, Nitrate + Nitrite	mg/L	0.035	B	0.004	0.1	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Nitrogen, Nitrite	mg/L	0.05	U	0.005	0.05	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Silica, Dissolved	mg/L	18.2		0.22	1	N
EA-15M	12/1/2006	8:35	REG	EA-15M-GRW-120106-02	Sulfate	mg/L	226		0.041	20	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Aluminum	ug/L	458		23	200	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Calcium	ug/L	289000		49	5000	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Chromium	ug/L	16200		0.8	10	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Hexavalent Chromium	ug/L	17100		60	500	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Iron	ug/L	100	U	25	100	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Magnesium	ug/L	48.9	B	14	5000	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Manganese	ug/L	1.5	B	0.6	15	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Vanadium	ug/L	50	U	1.8	50	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Aluminum, dissolved	ug/L	373		23	200	Y

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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Calcium, dissolved	ug/L	301000		49	5000	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Chromium, dissolved	ug/L	13200		0.8	10	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Iron, dissolved	ug/L	100	U	25	100	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Magnesium, dissolved	ug/L	5000	U	14	5000	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Manganese, dissolved	ug/L	15	U	0.6	15	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Alkalinity, Total as CaCO3	mg/L	5700		22	50	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Bromide	mg/L	0.31		0.005	0.15	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Carbon Dioxide	mg/L	5	UB	5	5	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Chloride	mg/L	83.3		0.052	2	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Fluoride	mg/L	3.3		0.0012	0.1	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Nitrogen, Nitrate	mg/L	0.75		0.15	0.15	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Nitrogen, Nitrate + Nitrite	mg/L	1.1		0.004	0.1	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Nitrogen, Nitrite	mg/L	0.35		0.005	0.05	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Silica, Dissolved	mg/L	0.92	B	0.22	1	N
EA-15S	11/30/2006	14:15	REG	EA-15S-GRW-113006	Sulfate	mg/L	4.4	B	0.041	10	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Aluminum	ug/L	299		23	200	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Calcium	ug/L	68500		49	5000	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Chromium	ug/L	2.4	B	0.8	10	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Iron	ug/L	224		25	100	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Magnesium	ug/L	23800		14	5000	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Manganese	ug/L	7090		0.6	15	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Vanadium	ug/L	50	U	1.8	50	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Aluminum, dissolved	ug/L	200	U	23	200	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Calcium, dissolved	ug/L	63800		49	5000	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Chromium, dissolved	ug/L	0.96	J	0.8	10	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Iron, dissolved	ug/L	111		25	100	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Magnesium, dissolved	ug/L	23400		14	5000	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Manganese, dissolved	ug/L	6970		0.6	15	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Alkalinity, Total as CaCO3	mg/L	11.3		2.2	5	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Bromide	mg/L	0.29		0.005	0.15	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Carbon Dioxide	mg/L	84	L	5	5	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Chloride	mg/L	187		0.052	2	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Fluoride	mg/L	0.017	J	0.0012	0.1	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Nitrogen, Nitrate	mg/L	0.11	U	0.005	0.11	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Nitrogen, Nitrate + Nitrite	mg/L	0.048	J	0.004	0.1	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Nitrogen, Nitrite	mg/L	0.0078	J	0.001	0.01	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Silica, Dissolved	mg/L	23.4		0.22	1	N
EAC-1M	11/28/2006	11:45	REG	EAC-1M-GRW-112806-01	Sulfate	mg/L	260	L	0.041	2	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Aluminum	ug/L	26.6	J	23	200	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Calcium	ug/L	65600		49	5000	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Chromium	ug/L	1.2	B	0.8	10	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Iron	ug/L	269		25	100	N

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EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Magnesium	ug/L	24400		14	5000	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Manganese	ug/L	6760		0.6	15	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Vanadium	ug/L	50	U	1.8	50	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Aluminum, dissolved	ug/L	200	U	23	200	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Calcium, dissolved	ug/L	67600		49	5000	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Chromium, dissolved	ug/L	1.1	J	0.8	10	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Iron, dissolved	ug/L	108		25	100	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Magnesium, dissolved	ug/L	24900		14	5000	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Manganese, dissolved	ug/L	6740		0.6	15	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Alkalinity, Total as CaCO3	mg/L	15.1		2.2	5	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Bromide	mg/L	0.32		0.005	0.15	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Carbon Dioxide	mg/L	83.2	L	5	5	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Chloride	mg/L	199		0.052	2	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Fluoride	mg/L	0.018	J	0.0012	0.1	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Nitrogen, Nitrate	mg/L	0.11	U	0.005	0.11	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Nitrogen, Nitrate + Nitrite	mg/L	0.036	J	0.004	0.1	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Silica, Dissolved	mg/L	21.8		0.22	1	N
EAC-1M	11/28/2006	12:15	REG	EAC-1M-GRW-112806-02	Sulfate	mg/L	266	L	0.041	2	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Aluminum	ug/L	102	J	23	200	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Calcium	ug/L	26900		49	5000	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Chromium	ug/L	4.6	J	0.8	10	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Hexavalent Chromium	ug/L	10	U	1.2	10	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Iron	ug/L	141		25	100	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Magnesium	ug/L	5580		14	5000	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Manganese	ug/L	56.3		0.6	15	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Vanadium	ug/L	50	U	1.8	50	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Aluminum, dissolved	ug/L	200	U	23	200	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Calcium, dissolved	ug/L	29900		49	5000	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Chromium, dissolved	ug/L	1.7	J	0.8	10	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Iron, dissolved	ug/L	89.5	J	25	100	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Magnesium, dissolved	ug/L	6230		14	5000	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Manganese, dissolved	ug/L	58.5		0.6	15	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Alkalinity, Total as CaCO3	mg/L	133		2.2	5	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Bromide	mg/L	0.24		0.005	0.15	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Carbon Dioxide	mg/L	9.4	L	5	5	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Chloride	mg/L	15.1		0.052	2	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Fluoride	mg/L	0.39		0.0012	0.1	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Nitrogen, Nitrate	mg/L	0.16		0.005	0.11	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Nitrogen, Nitrate + Nitrite	mg/L	0.17		0.004	0.1	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Nitrogen, Nitrite	mg/L	0.01		0.001	0.01	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Silica, Dissolved	mg/L	5.1		0.22	1	N
EAC-1S	11/28/2006	14:25	REG	EAC-1S-GRW-112806	Sulfate	mg/L	34.3	L	0.041	2	N
EAC-1S	6/4/2009	15:25	REG	EAC-01S-GRW-060409	Chromium	ug/L	6.8	B	3.4	15	N

APPENDIX E
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Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EAC-1S	6/4/2009	15:25	REG	EAC-01S-GRW-060409	Trivalent Chromium	ug/L	6.8	J	0.005	0.015	N
EAC-1S	6/4/2009	15:25	REG	EAC-01S-GRW-060409	Hexavalent Chromium	ug/L	5	U	5	10	N
EAC-1S	6/4/2009	15:25	REG	EAC-01S-GRW-060409-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Aluminum	ug/L	80.2		80.2	200	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Calcium	ug/L	48100		104	200	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Chromium	ug/L	2.3	U	2.3	15	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Hexavalent Chromium	ug/L	5	U	5	10	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Iron	ug/L	102		52.2	200	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Magnesium	ug/L	60100		32.2	100	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Manganese	ug/L	2990		0.36	5	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Vanadium	ug/L	1.5		1.5	5	N
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Calcium, dissolved	ug/L	50400		104	200	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Iron, dissolved	ug/L	104		52.2	200	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Magnesium, dissolved	ug/L	64200		32.2	100	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Manganese, dissolved	ug/L	3070		0.36	5	Y
EAC-2M	3/2/2007	9:35	REG	EAC-2M-GRW-030207	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Aluminum	ug/L	80.2		80.2	200	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Calcium	ug/L	28000		104	200	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Chromium	ug/L	2.3	U	2.3	15	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Hexavalent Chromium	ug/L	5	U	5	10	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Iron	ug/L	1870		52.2	200	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Magnesium	ug/L	29900		32.2	100	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Manganese	ug/L	140		0.36	5	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Vanadium	ug/L	1.5		1.5	5	N
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Calcium, dissolved	ug/L	29200		104	200	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Iron, dissolved	ug/L	960		52.2	200	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Magnesium, dissolved	ug/L	30700		32.2	100	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Manganese, dissolved	ug/L	143		0.36	5	Y
EAC-2S	3/2/2007	8:35	REG	EAC-2S-GRW-030207	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Aluminum	ug/L	80.2		80.2	200	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Calcium	ug/L	26400		104	200	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Chromium	ug/L	2.3	UJ	2.3	15	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Iron	ug/L	63900		52.2	200	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Magnesium	ug/L	20600		32.2	100	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Manganese	ug/L	1950		0.36	5	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Vanadium	ug/L	1.5		1.5	5	N
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Calcium, dissolved	ug/L	24800		104	200	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Chromium, dissolved	ug/L	3.4	J	2.3	15	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Iron, dissolved	ug/L	56200		52.2	200	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Magnesium, dissolved	ug/L	20300		32.2	100	Y

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EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Manganese, dissolved	ug/L	1710		0.36	5	Y
EAC-3M	2/27/2007	15:00	REG	EAC-3M-GRW-022707	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Aluminum	ug/L	533		80.2	200	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Calcium	ug/L	413000		104	200	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Chromium	ug/L	11400	J	11.5	75	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Hexavalent Chromium	ug/L	125	J	5	10	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Iron	ug/L	1810		52.2	200	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Magnesium	ug/L	1240		32.2	100	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Manganese	ug/L	41.5		0.36	5	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Vanadium	ug/L	2.6		1.5	5	N
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Aluminum, dissolved	ug/L	167		80.2	200	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Calcium, dissolved	ug/L	350000		104	200	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Chromium, dissolved	ug/L	12400	J	11.5	75	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Iron, dissolved	ug/L	52.2		52.2	200	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Manganese, dissolved	ug/L	0.36		0.36	5	Y
EAC-3S	2/27/2007	14:20	REG	EAC-3S-GRW-022707	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Aluminum	ug/L	758		23	200	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Calcium	ug/L	59800		49	5000	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Chromium	ug/L	15.8		0.8	10	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Hexavalent Chromium	ug/L	1.7	J	1.2	10	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Iron	ug/L	2080		25	100	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Magnesium	ug/L	101000		14	5000	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Manganese	ug/L	91.3		0.6	15	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Vanadium	ug/L	4.8	B	1.8	50	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Aluminum, dissolved	ug/L	200	U	23	200	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Calcium, dissolved	ug/L	67000		49	5000	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Chromium, dissolved	ug/L	1	J	0.8	10	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Iron, dissolved	ug/L	245		25	100	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Magnesium, dissolved	ug/L	162000		14	5000	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Manganese, dissolved	ug/L	50.3		0.6	15	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Alkalinity, Total as CaCO3	mg/L	401		2.2	5	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Bromide	mg/L	5.2		0.005	0.15	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Carbon Dioxide	mg/L	5	B	5	5	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Chloride	mg/L	2140		0.52	20	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Fluoride	mg/L	0.16		0.0012	0.1	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Nitrogen, Nitrate	mg/L	0.11		0.11	0.11	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Nitrogen, Nitrate + Nitrite	mg/L	0.11		0.004	0.1	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Nitrogen, Nitrite	mg/L	0.0047	B	0.001	0.01	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Silica, Dissolved	mg/L	9.8		0.22	1	N
EAC-4M	11/30/2006	8:20	REG	EAC-4M-GRW-113006-01	Sulfate	mg/L	10	U	0.041	10	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Aluminum	ug/L	25.9	B	23	200	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Calcium	ug/L	76500		49	5000	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Chromium	ug/L	3.1	B	0.8	10	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Hexavalent Chromium	ug/L	2.1	J	1.2	10	N

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EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Iron	ug/L	477		25	100	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Magnesium	ug/L	224000		14	5000	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Manganese	ug/L	68.9		0.6	15	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Vanadium	ug/L	3	B	1.8	50	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Aluminum, dissolved	ug/L	200	U	23	200	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Calcium, dissolved	ug/L	75400		49	5000	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Chromium, dissolved	ug/L	2.8	J	0.8	10	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Iron, dissolved	ug/L	367		25	100	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Magnesium, dissolved	ug/L	225000		14	5000	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Manganese, dissolved	ug/L	65.5		0.6	15	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Vanadium, dissolved	ug/L	2.8	B	1.8	50	Y
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Alkalinity, Total as CaCO3	mg/L	682		4.4	10	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Bromide	mg/L	12.9		0.005	0.15	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Carbon Dioxide	mg/L	25.9		5	5	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Chloride	mg/L	3560		1	40	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Fluoride	mg/L	0.26		0.0012	0.1	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Nitrogen, Nitrate	mg/L	0.11	U	0.11	0.11	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Nitrogen, Nitrate + Nitrite	mg/L	0.1	U	0.004	0.1	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Nitrogen, Nitrite	mg/L	0.01	U	0.001	0.01	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Silica, Dissolved	mg/L	16.3		0.22	1	N
EAC-4M	11/30/2006	9:00	REG	EAC-4M-GRW-113006-02	Sulfate	mg/L	10	U	0.041	10	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Aluminum	ug/L	270		80.2	200	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Calcium	ug/L	81600		63.2	200	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Chromium	ug/L	7.3	B	2.3	15	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Hexavalent Chromium	ug/L	5	U	5	10	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Iron	ug/L	959		52.2	200	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Magnesium	ug/L	238000		13.5	100	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Manganese	ug/L	88.6		0.84	5	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207	Vanadium	ug/L	3.7		1.5	5	N
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Aluminum, dissolved	ug/L	401		401	1000	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Calcium, dissolved	ug/L	73400		316	1000	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Iron, dissolved	ug/L	261		261	1000	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Magnesium, dissolved	ug/L	238000		67.5	500	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Manganese, dissolved	ug/L	65.3		4.2	25	Y
EAC-4M	10/2/2007	11:15	REG	EAC-4M-GRW-100207-F	Vanadium, dissolved	ug/L	7.5		7.5	25	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Aluminum	ug/L	1580		23	200	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Calcium	ug/L	239000		49	5000	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Chromium	ug/L	4980		0.8	10	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Hexavalent Chromium	ug/L	5700		24	200	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Iron	ug/L	162		25	100	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Magnesium	ug/L	197	B	14	5000	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Manganese	ug/L	3.9	B	0.6	15	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Vanadium	ug/L	50	U	1.8	50	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Aluminum, dissolved	ug/L	1610		23	200	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Calcium, dissolved	ug/L	241000		49	5000	Y

APPENDIX E
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Chromium, dissolved	ug/L	5280		0.8	10	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Iron, dissolved	ug/L	100	U	25	100	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Magnesium, dissolved	ug/L	5000	U	14	5000	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Manganese, dissolved	ug/L	15	U	0.6	15	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Alkalinity, Total as CaCO3	mg/L	2420		22	50	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Bromide	mg/L	0.31		0.005	0.15	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Carbon Dioxide	mg/L	5	UB	5	5	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Chloride	mg/L	184		0.052	2	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Fluoride	mg/L	0.1	U	0.0012	0.1	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Nitrogen, Nitrate	mg/L	0.2	U	0.2	0.2	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Nitrogen, Nitrate + Nitrite	mg/L	0.82		0.004	0.1	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Nitrogen, Nitrite	mg/L	0.75		0.01	0.1	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Silica, Dissolved	mg/L	0.79	B	0.22	1	N
EAC-4S	11/30/2006	10:55	REG	EAC-4S-GRW-113006	Sulfate	mg/L	3.7	B	0.041	10	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Aluminum	ug/L	1660		23	200	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Calcium	ug/L	236000		49	5000	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Chromium	ug/L	5170		0.8	10	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Hexavalent Chromium	ug/L	6100	L	24	200	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Iron	ug/L	112		25	100	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Magnesium	ug/L	216	B	14	5000	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Manganese	ug/L	4.8	B	0.6	15	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Vanadium	ug/L	50	U	1.8	50	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Aluminum, dissolved	ug/L	1600		23	200	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Calcium, dissolved	ug/L	237000		49	5000	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Chromium, dissolved	ug/L	5270		0.8	10	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Iron, dissolved	ug/L	100	U	25	100	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Magnesium, dissolved	ug/L	5000	U	14	5000	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Manganese, dissolved	ug/L	15	U	0.6	15	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Alkalinity, Total as CaCO3	mg/L	2410		22	50	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Bromide	mg/L	0.22		0.005	0.15	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Carbon Dioxide	mg/L	5	UB	5	5	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Chloride	mg/L	182		0.052	2	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Fluoride	mg/L	0.1	U	0.0012	0.1	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Nitrogen, Nitrate	mg/L	0.2	U	0.2	0.2	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Nitrogen, Nitrate + Nitrite	mg/L	0.82		0.004	0.1	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Nitrogen, Nitrite	mg/L	0.82		0.01	0.1	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Silica, Dissolved	mg/L	1	U	0.22	1	N
EAC-4S	11/30/2006	11:00	FD	EAC-4S-GRW-113006-D	Sulfate	mg/L	3.4	B	0.041	10	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Aluminum	ug/L	364		23	200	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Calcium	ug/L	529000		49	5000	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Chromium	ug/L	23600		0.8	10	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Hexavalent Chromium	ug/L	26700		300	1000	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Iron	ug/L	368		25	100	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Magnesium	ug/L	256	B	14	5000	N

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Manganese	ug/L	4.6	B	0.6	15	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Vanadium	ug/L	4.1	B	1.8	50	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Aluminum, dissolved	ug/L	224		23	200	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Calcium, dissolved	ug/L	513000		49	5000	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Chromium, dissolved	ug/L	23400		0.8	10	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Iron, dissolved	ug/L	100	U	25	100	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Magnesium, dissolved	ug/L	5000	U	14	5000	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Manganese, dissolved	ug/L	15	U	0.6	15	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Vanadium, dissolved	ug/L	50	U	1.8	50	Y
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Alkalinity, Total as CaCO3	mg/L	2740		22	50	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Bromide	mg/L	0.25		0.005	0.15	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Carbon Dioxide	mg/L	0.11	B	5	5	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Chloride	mg/L	77.3		0.052	2	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Fluoride	mg/L	0.35	B	0.0012	0.4	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Nitrogen, Nitrate	mg/L	0.2	U	0.2	0.2	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Nitrogen, Nitrate + Nitrite	mg/L	0.12		0.004	0.1	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Nitrogen, Nitrite	mg/L	1.1		0.01	0.1	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Silica, Dissolved	mg/L	1	U	0.22	1	N
P-4	12/5/2006	11:05	REG	P-4-GRW-120506	Sulfate	mg/L	5.4	B	0.041	10	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Aluminum	ug/L	822		80.2	200	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Calcium	ug/L	79700		104	200	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Chromium	ug/L	3.6	B	2.3	15	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Iron	ug/L	20400		52.2	200	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Magnesium	ug/L	14700		32.2	100	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Manganese	ug/L	558		0.36	5	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Vanadium	ug/L	2.9		1.5	5	N
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Calcium, dissolved	ug/L	79700		104	200	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Iron, dissolved	ug/L	19800		52.2	200	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Magnesium, dissolved	ug/L	14400		32.2	100	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Manganese, dissolved	ug/L	545		0.36	5	Y
TPZ-27A	2/26/2007	12:20	REG	TPZ-27A-GRW-022607	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Aluminum	ug/L	1660		80.2	200	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Calcium	ug/L	48800		104	200	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Chromium	ug/L	12700	J	11.5	75	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Hexavalent Chromium	ug/L	12600	J	500	1000	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Iron	ug/L	120		52.2	200	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Magnesium	ug/L	32.2		32.2	100	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Manganese	ug/L	0.69		0.36	5	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Vanadium	ug/L	35.8		1.5	5	N
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Aluminum, dissolved	ug/L	1630		80.2	200	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Calcium, dissolved	ug/L	50400		104	200	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Chromium, dissolved	ug/L	13300	J	11.5	75	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Iron, dissolved	ug/L	52.2		52.2	200	Y

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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Manganese, dissolved	ug/L	0.36		0.36	5	Y
TPZ-27B	2/26/2007	13:20	REG	TPZ-27B-GRW-022607	Vanadium, dissolved	ug/L	34.1		1.5	5	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Aluminum	ug/L	716		80.2	200	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Calcium	ug/L	55300		104	200	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Chromium	ug/L	16.7		2.3	15	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Iron	ug/L	2100		52.2	200	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Magnesium	ug/L	11900		32.2	100	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Manganese	ug/L	890		0.36	5	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Vanadium	ug/L	1.8		1.5	5	N
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Aluminum, dissolved	ug/L	214		80.2	200	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Calcium, dissolved	ug/L	56900		104	200	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Iron, dissolved	ug/L	1980		52.2	200	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Magnesium, dissolved	ug/L	12300		32.2	100	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Manganese, dissolved	ug/L	920		0.36	5	Y
TPZ-28	2/27/2007	8:20	REG	TPZ-28-GRW-022707	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Aluminum	ug/L	276		80.2	200	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Calcium	ug/L	9010		104	200	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Chromium	ug/L	2.3	U	2.3	15	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Iron	ug/L	41900		52.2	200	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Magnesium	ug/L	20900		32.2	100	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Manganese	ug/L	884		0.36	5	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Vanadium	ug/L	1.5		1.5	5	N
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Calcium, dissolved	ug/L	8930		104	200	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Iron, dissolved	ug/L	40200		52.2	200	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Magnesium, dissolved	ug/L	20100		32.2	100	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Manganese, dissolved	ug/L	838		0.36	5	Y
TPZ-29	2/27/2007	9:45	REG	TPZ-29-GRW-022707	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Aluminum	ug/L	80.2		80.2	200	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Calcium	ug/L	7030		104	200	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Chromium	ug/L	6.2	B	2.3	15	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Iron	ug/L	38700		52.2	200	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Magnesium	ug/L	6900		32.2	100	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Manganese	ug/L	1160		0.36	5	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Vanadium	ug/L	1.5		1.5	5	N
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Aluminum, dissolved	ug/L	2150		80.2	200	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Calcium, dissolved	ug/L	6610		104	200	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Chromium, dissolved	ug/L	12.4	B	2.3	15	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Iron, dissolved	ug/L	40500		52.2	200	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Magnesium, dissolved	ug/L	6700		32.2	100	Y

APPENDIX E
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LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Manganese, dissolved	ug/L	1120		0.36	5	Y
TPZ-30A	2/26/2007	16:15	REG	TPZ-30A-GRW-022607	Vanadium, dissolved	ug/L	5.4		1.5	5	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Aluminum	ug/L	25500		80.2	200	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Calcium	ug/L	12200		104	200	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Chromium	ug/L	6960		2.3	15	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Hexavalent Chromium	ug/L	7510		500	1000	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Iron	ug/L	163		52.2	200	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Magnesium	ug/L	32.2		32.2	100	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Manganese	ug/L	0.58		0.36	5	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Vanadium	ug/L	298		1.5	5	N
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Aluminum, dissolved	ug/L	23800		80.2	200	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Calcium, dissolved	ug/L	11900		104	200	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Chromium, dissolved	ug/L	6430		2.3	15	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Iron, dissolved	ug/L	52.2		52.2	200	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Magnesium, dissolved	ug/L	32.2		32.2	100	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Manganese, dissolved	ug/L	0.36		0.36	5	Y
TPZ-30B	2/26/2007	15:10	REG	TPZ-30B-GRW-022607	Vanadium, dissolved	ug/L	280		1.5	5	Y
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Aluminum	ug/L	1620		80.2	200	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Calcium	ug/L	755000		316	1000	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Chromium	ug/L	33.4	B	2.3	15	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Iron	ug/L	1850000		522	2000	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Magnesium	ug/L	391000		13.5	100	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Manganese	ug/L	25800		4.2	25	N
TPZ-33	9/26/2007	12:39	REG	TPZ-33-GRW-092607	Vanadium	ug/L	98.4		1.5	5	N
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Calcium, dissolved	ug/L	808000		316	1000	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Chromium, dissolved	ug/L	30.8		2.3	15	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Iron, dissolved	ug/L	1780000		522	2000	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Magnesium, dissolved	ug/L	416000		13.5	100	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Manganese, dissolved	ug/L	27400		4.2	25	Y
TPZ-33	9/26/2007	13:48	REG	TPZ-33-GRW-092607-F	Vanadium, dissolved	ug/L	88.5		1.5	5	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Aluminum	ug/L	474		80.2	200	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Calcium	ug/L	21100		63.2	200	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Chromium	ug/L	2.8	B	2.3	15	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Iron	ug/L	24500		52.2	200	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Magnesium	ug/L	8270		13.5	100	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Manganese	ug/L	721		0.84	5	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607	Vanadium	ug/L	2.7		1.5	5	N
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Calcium, dissolved	ug/L	18100		63.2	200	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Iron, dissolved	ug/L	19800		52.2	200	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Magnesium, dissolved	ug/L	7150		13.5	100	Y
TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Manganese, dissolved	ug/L	614		0.84	5	Y

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TPZ-36	9/26/2007	11:50	REG	TPZ-36-GRW-092607-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Aluminum	ug/L	1660		80.2	200	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Calcium	ug/L	105000		63.2	200	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Chromium	ug/L	17.4	B	2.3	15	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Iron	ug/L	13700		52.2	200	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Magnesium	ug/L	189000		13.5	100	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Manganese	ug/L	398		0.84	5	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607	Vanadium	ug/L	4.7		1.5	5	N
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Calcium, dissolved	ug/L	94200		63.2	200	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Chromium, dissolved	ug/L	2.3	U	2.3	15	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Iron, dissolved	ug/L	9650		52.2	200	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Magnesium, dissolved	ug/L	177000		13.5	100	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Manganese, dissolved	ug/L	414		0.84	5	Y
TPZ-38	9/26/2007	10:55	REG	TPZ-38-GRW-092607-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Aluminum	ug/L	3200		80.2	200	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Calcium	ug/L	509000		63.2	200	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Chromium	ug/L	2880		2.3	15	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Hexavalent Chromium	ug/L	1750	J	250	500	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Iron	ug/L	2320		52.2	200	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Magnesium	ug/L	991		13.5	100	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Manganese	ug/L	20		0.84	5	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807	Vanadium	ug/L	37.5		1.5	5	N
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Aluminum, dissolved	ug/L	755		80.2	200	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Calcium, dissolved	ug/L	500000		63.2	200	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Chromium, dissolved	ug/L	2130		2.3	15	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Iron, dissolved	ug/L	52.2		52.2	200	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Magnesium, dissolved	ug/L	22.8		13.5	100	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Manganese, dissolved	ug/L	0.84		0.84	5	Y
TPZ-44	9/28/2007	12:05	REG	TPZ-44-GRW-092807-F	Vanadium, dissolved	ug/L	1.5		1.5	5	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Aluminum	ug/L	130		80.2	200	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Calcium	ug/L	26000		63.2	200	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Chromium	ug/L	32.3		2.3	15	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Iron	ug/L	904		52.2	200	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Magnesium	ug/L	18800		13.5	100	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Manganese	ug/L	67		0.84	5	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807	Vanadium	ug/L	3.2		1.5	5	N
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Calcium, dissolved	ug/L	31400		63.2	200	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Chromium, dissolved	ug/L	32		2.3	15	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Iron, dissolved	ug/L	705		52.2	200	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Magnesium, dissolved	ug/L	22200		13.5	100	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Manganese, dissolved	ug/L	70.2		0.84	5	Y
TPZ-45	9/28/2007	10:50	REG	TPZ-45-GRW-092807-F	Vanadium, dissolved	ug/L	3.6		1.5	5	Y

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TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Aluminum	ug/L	119		80.2	200	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Calcium	ug/L	29500		63.2	200	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Chromium	ug/L	37.7	B	2.3	15	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Iron	ug/L	922		52.2	200	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Magnesium	ug/L	21300		13.5	100	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Manganese	ug/L	78.7		0.84	5	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-D	Vanadium	ug/L	4.8		1.5	5	N
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Aluminum, dissolved	ug/L	80.2		80.2	200	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Calcium, dissolved	ug/L	31000		63.2	200	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Chromium, dissolved	ug/L	44.7	B	2.3	15	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Iron, dissolved	ug/L	602		52.2	200	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Magnesium, dissolved	ug/L	22300		13.5	100	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Manganese, dissolved	ug/L	73.6		0.84	5	Y
TPZ-45	9/28/2007	10:50	FD	TPZ-45-GRW-092807-FD	Vanadium, dissolved	ug/L	4		1.5	5	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Aluminum	ug/L	55400		80.2	200	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Calcium	ug/L	112000		63.2	200	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Chromium	ug/L	18000		11.5	75	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Hexavalent Chromium	ug/L	4100	J	250	500	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Iron	ug/L	62600		52.2	200	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Magnesium	ug/L	16200		13.5	100	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Manganese	ug/L	499		0.84	5	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807	Vanadium	ug/L	634		1.5	5	N
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Aluminum, dissolved	ug/L	20500		80.2	200	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Calcium, dissolved	ug/L	7560		63.2	200	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Chromium, dissolved	ug/L	4360		2.3	15	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Iron, dissolved	ug/L	1230		52.2	200	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Magnesium, dissolved	ug/L	29.5		13.5	100	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Manganese, dissolved	ug/L	2.1		0.84	5	Y
TPZ-46	9/28/2007	14:03	REG	TPZ-46-GRW-092807-F	Vanadium, dissolved	ug/L	164		1.5	5	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Aluminum	ug/L	578		80.2	200	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Calcium	ug/L	145000		70.2	200	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Chromium	ug/L	33.4		3	15	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Iron	ug/L	28100		52.2	200	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Magnesium	ug/L	46800		13.5	100	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Manganese	ug/L	2120		0.84	5	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Potassium	ug/L	14200		50.3	500	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Sodium	ug/L	711000		4330	10000	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Titanium	ug/L	23.2		3.8	10	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909	Vanadium	ug/L	3.6	J	2.5	5	N
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Calcium, dissolved	ug/L	190000		70.2	200	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Chromium, dissolved	ug/L	3	U	3	15	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Iron, dissolved	ug/L	43900		52.2	200	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Magnesium, dissolved	ug/L	61800		13.5	100	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Manganese, dissolved	ug/L	2760		0.84	5	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Potassium, dissolved	ug/L	13400		50.3	500	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Sodium, dissolved	ug/L	821000		4330	10000	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
TPZ-48	3/19/2009	14:50	REG	TPZ-48-GRW-031909F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Aluminum	ug/L	570		80.2	200	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Calcium	ug/L	145000		70.2	200	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Chromium	ug/L	31.6		3	15	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Iron	ug/L	27700		52.2	200	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Magnesium	ug/L	46500		13.5	100	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Manganese	ug/L	2030		0.84	5	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Potassium	ug/L	14100		50.3	500	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Sodium	ug/L	708000		4330	10000	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Titanium	ug/L	19.1		3.8	10	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-D	Vanadium	ug/L	3.6	J	2.5	5	N
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Calcium, dissolved	ug/L	182000		70.2	200	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Chromium, dissolved	ug/L	3	U	3	15	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Iron, dissolved	ug/L	43900		52.2	200	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Magnesium, dissolved	ug/L	59000		13.5	100	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Manganese, dissolved	ug/L	2670		0.84	5	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Potassium, dissolved	ug/L	13000		50.3	500	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Sodium, dissolved	ug/L	815000		4330	10000	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
TPZ-48	3/19/2009	14:55	FD	TPZ-48-GRW-031909-DF	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
TPZ-48	6/9/2009	14:43	REG	TPZ-48-GRW-060909	Chromium	ug/L	24.3		3.4	15	N
TPZ-48	6/9/2009	14:43	REG	TPZ-48-GRW-060909	Trivalent Chromium	ug/L	24		0.005	0.015	N
TPZ-48	6/9/2009	14:43	REG	TPZ-48-GRW-060909	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-48	6/9/2009	14:43	REG	TPZ-48-GRW-060909-F	Chromium, dissolved	ug/L	3.4	U	3.4	15	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Aluminum	ug/L	738		80.2	200	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Calcium	ug/L	111000		70.2	200	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Chromium	ug/L	23.5		3	15	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Hexavalent Chromium	ug/L	5	U	5	10	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Iron	ug/L	6140		52.2	200	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Magnesium	ug/L	29900		13.5	100	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Manganese	ug/L	1160		0.84	5	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Potassium	ug/L	7520		50.3	500	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Sodium	ug/L	472000		2170	5000	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Titanium	ug/L	22		3.8	10	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909	Vanadium	ug/L	3.4	J	2.5	5	N
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Aluminum, dissolved	ug/L	80.2	U	80.2	200	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Calcium, dissolved	ug/L	109000		70.2	200	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Chromium, dissolved	ug/L	3	U	3	15	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Iron, dissolved	ug/L	4430		52.2	200	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Magnesium, dissolved	ug/L	29100		13.5	100	Y

APPENDIX E
Groundwater Analytical Data
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland

LOCATION_ID	SAMPLE_ DATE	SAMPLE_ TIME	SAMPLE_ PURPOSE	FIELD_SAMPLE_ID	PARAMETER_NAME	REPORT _UNITS	REPORT _RESULT	VALIDATION _QUALIFIER	REPORT_ METHOD_ DETECTION_ LIMIT	REPORT_ DETECTION_ LIMIT	FILTERED _FLAG
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Manganese, dissolved	ug/L	1130		0.84	5	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Potassium, dissolved	ug/L	7360		50.3	500	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Sodium, dissolved	ug/L	461000		2170	5000	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Titanium, dissolved	ug/L	3.8	U	3.8	10	Y
TPZ-49	3/19/2009	12:45	REG	TPZ-49-GRW-031909F	Vanadium, dissolved	ug/L	2.5	U	2.5	5	Y
TPZ-49	6/9/2009	15:45	REG	TPZ-49-GRW-060909	Chromium	ug/L	84.3		3.4	15	N
TPZ-49	6/9/2009	15:45	REG	TPZ-49-GRW-060909	Trivalent Chromium	ug/L	84		0.005	0.015	N
TPZ-49	6/9/2009	15:45	REG	TPZ-49-GRW-060909	Hexavalent Chromium	ug/L	5	UJ	5	10	N
TPZ-49	6/9/2009	15:45	REG	TPZ-49-GRW-060909-F	Chromium, dissolved	ug/L	3.9	J	3.4	15	Y

Notes:
All dissolved samples were field filtered except Chromium (VI), which was lab filtered. The "F" was appended to sample IDs during later investigation phases to indicate that the sample was field filtered
U = Analyte not detected above reported MDL
J = Analyte present. Reported value may or may not be accurate or precise.
UJ = estimated non-detect due to associated inaccurate or imprecise spike recoveries, calibration issues, blank contamination, etc.
UL = Analyte not detected, but flagged as a low bias, usually associated with MS/MSD, LCS, LCSD spike recoveries
UR = Analyte not detected, but was rejected
B = Not detected substantially above the level reported in the laboratory or field blank
L = Analyte is present but flagged as a low bias, usually associated with MS/MSD, LCS, LCSD spike recoveries
R = Analyte was detected, but has been rejected
NA = Not Analyzed
Filtered Flag = Y indicates that the sample was filtered.
REG = Native Sample
FD = Field Duplicate