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NAS PENSACOLA
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FINAL REMEDIAL INVESTIGATION REPORT FOR SITE 41 WETLANDS OPERABLE UNIT 16 (OU 16) VOLUME 11 OF 11 NAS PENSACOLA FL

8/17/2005

ENSAFE, INC

FINAL REMEDIAL INVESTIGATION REPORT
SITE 41 — OPERABLE UNIT 16 — NAS PENSACOLA WETLANDS

NAVAL AIR STATION
PENSACOLA, FLORIDA

SOUTHNAVFACENGCOM
CONTRACT NUMBER: N62467-89-D-0318

CTO-036

VOLUME XI OF XI
APPENDICES J— N

Prepared for:

NAVFAC
Naval Facilities Engineering Command

Comprehensive Long-Term
Environmental Action Navy
Naval Air Station
Pensacola, Florida

Prepared by:

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August 17, 2005

Appendix J

DDT Background Data

Data from *Magnitude and Extent of Sediment Toxicity in Four Bays of the Florida Panhandle: Pensacola, Choctawhatchee, St. Andrew, and Apalachicola.*

(Long *et al.*, 1997).

Appendix B1. Chemistry and toxicity data from Pensacola Bay, 1993.

Station No.	Location	2,4-DDD ppb	4,4-DDD ppb	2,4'-DDE ppb	2,4-DDT ppb	4,4-DDT ppb	TOTAL DDT ppb	Endrin ppb	C/100	endrin ug/goc	Dieldrin ppb	C/100	Dieldrin ug/goc
1	Bayou Grande	1	5	1	0.1	0.5	7.6	1	0.06		2.84	0.06	0.05
2	Bayou Grande	1	0.5	1	0.1	0.5	3.1	1	0		0.1	0	
3	Bayou Grande	1	2.58	2.1	0.1	2.02	7.8	1	0.05		5.76	0.05	0.13
4	Bayou Chico	5.92	12.36	1	0.1	0.5	19.88	1	0.03		1.72	0.03	0.06
5	Bayou Chico	19.24	36.98	1	4.26	10.8	72.28	20.3	0.06	0.39	24.98	0.06	0.4
6	Bayou Chico	2.76	12.64	1	0.1	2.86	19.36	1	0.05		1.54	0.05	0.03
7	Bayou Chico	1	43.82	1	0.1	26.78	72.7	37.2	0.09	0.62	0.1	0.09	
8	Bayou Chico	29	35.12	1	0.1	28.08	93.3	11.28	0.06	0.2	9.54	0.06	0.16
9	Bayou Chico	1	8.6	1	0.1	8.84	19.54	1	0.06		1.36	0.06	0.02
10	Bayou Texar	8.16	37.24	1	1.72	37.06	85.18	1	0.06		10.26	0.06	0.17
11	Bayou Texar	1	8.52	1	0.1	4.94	15.56	1	0.04		2.44	0.04	0.06
12	Bayou Texar	1	0.5	1	0.1	0.5	3.1	1	0.04		0.1	0.04	
13	Bayou Texar	1	25.72	1	2.1	20.3	50.12	4.02	0.04	0.12	8.8	0.04	0.24
14	Warrington	1	0.5	1	0.1	2.32	4.92	1	0.03		0.1	0.03	
15	Bayou Chico	1	0.5	1	0.1	0.5	3.1	1	0.03		1.76	0.03	0.05
16	Bayou Channel	1	0.5	1	0.1	0.5	3.1	1	0		0.1	0	
17	Inner Harbor Channel	1	0.5	1	1.76	0.5	4.76	1	0		0.1	0	
18	Inner Harbor	16.76	53.84	1	0.1	0.5	72.2	1	0.06		7.26	0.06	0.12
19	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
20	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.02		0.1	0.02	
21	Pensacola Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
22	Pensacola Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		1.92	0.03	0.06
23	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.03		2.78	0.03	0.09
24	Lower Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
25	Lower Bay								0.03			0.03	
26	East Bay								0.03			0.03	
27	East Bay								0.04			0.04	
28	East Bay								0.04			0.04	
29	Blackwater Bay								0.05			0.05	
30	Blackwater Bay								0.07			0.07	
31	Blackwater Bay								0.03			0.03	
32	Escambia Bay								0.03			0.03	
33	Escambia Bay								0.01			0.01	
34	Escambia Bay								0.03			0.03	
35	Escambia Bay								0.04			0.04	
36	Escambia Bay								0.01			0.01	
37	Escambia River Mouth								0			0	
38	Escambia								0.03			0.03	
39	Floridatown								0.01			0.01	
40	Central Bay								0.03			0.03	
MDL		1 ppb	0.5 ppb	1 ppb	0.1 ppb	0.5 ppb	1	1			0.1		

DDT and its Metabolites from the Sites 40 and 41 Remedial Investigations at the Naval Air Station Pensacola

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ31701	4,4'-DDD	0.24	J	µg/kg
40	040MZ20901	4,4'-DDD	0.26	J	µg/kg
40	040MZ21001	4,4'-DDD	0.26	J	µg/kg
40	040MZ40301	4,4'-DDD	0.26	J	µg/kg
40	040MZ24501	4,4'-DDD	0.32	J	µg/kg
40	040MZ30401	4,4'-DDD	0.34	J	µg/kg
40	040MZ20801	4,4'-DDD	0.37	J	µg/kg
40	040MZ40801	4,4'-DDD	0.37	J	µg/kg
40	040MZ23601	4,4'-DDD	0.43	J	µg/kg
40	040MZ32301	4,4'-DDD	0.5	J	µg/kg
40	040MZ21201	4,4'-DDD	0.5	J	µg/kg
40	040MZ21601	4,4'-DDD	0.93	J	µg/kg
40	040MZ24701	4,4'-DDD	1	J	µg/kg
40	040MZ40101	4,4'-DDD	1.3	J	µg/kg
40	040M2B0801	4,4'-DDD	1.4	J	µg/kg
40	040MZ13501	4,4'-DDD	1.6		µg/kg
40	040MZ21501	4,4'-DDD	1.7	J	µg/kg
40	040MZ24401	4,4'-DDD	1.8	J	µg/kg
40	040MZ21401	4,4'-DDD	2.3	J	µg/kg
40	040MZ21701	4,4'-DDD	2.4		µg/kg
40	040M2B0601	4,4'-DDD	4.9	J	µg/kg
40	040MZ22201	4,4'-DDD	5	J	µg/kg
40	040MZ21801	4,4'-DDD	5.2	J	µg/kg
40	040MZ22101	4,4'-DDD	7.6	DJ	µg/kg
40	040MZ22301	4,4'-DDD	12		µg/kg
40	040MZ22401	4,4'-DDD	15		µg/kg
40	040MZ21901	4,4'-DDD	16	J	µg/kg
40	040MZ12301	4,4'-DDD	0.19	U	µg/kg
40	040MZ32101	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ25001	4,4'-DDD	0.21	U	µg/kg
40	040MZ25201	4,4'-DDD	0.21	U	µg/kg
40	040MZ25301	4,4'-DDD	0.21	U	µg/kg
40	040MZ25401	4,4'-DDD	0.21	U	µg/kg
40	040MZ25601	4,4'-DDD	0.21	U	µg/kg
40	040MZ30101	4,4'-DDD	0.21	U	µg/kg
40	040MZ30301	4,4'-DDD	0.21	U	µg/kg
40	040MZ30501	4,4'-DDD	0.21	U	µg/kg
40	040MZ30601	4,4'-DDD	0.21	U	µg/kg
40	040MZ30901	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ31201	4,4'-DDD	0.21	U	µg/kg
40	040MZ21301	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ40601	4,4'-DDD	0.21	U	µg/kg
40	040MZ40901	4,4'-DDD	0.21	U	µg/kg
40	040MZ41001	4,4'-DDD	0.21	U	µg/kg
40	040MZ41801	4,4'-DDD	0.21	U	µg/kg
40	040MZ41901	4,4'-DDD	0.21	UJ	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ42001	4,4'-DDD	0.21	U	µg/kg
40	040MZ42201	4,4'-DDD	0.21	U	µg/kg
40	040MZ42301	4,4'-DDD	0.21	U	µg/kg
40	040MZ24301	4,4'-DDD	0.21	U	µg/kg
40	040MZ31101	4,4'-DDD	0.21	U	µg/kg
40	040MZ12701	4,4'-DDD	0.21	U	µg/kg
40	040MZ11801	4,4'-DDD	0.21	U	µg/kg
40	040MZ12101	4,4'-DDD	0.21	U	µg/kg
40	040MZ22701	4,4'-DDD	0.21	U	µg/kg
40	040MZ12501	4,4'-DDD	0.21	U	µg/kg
40	040MZ24001	4,4'-DDD	0.21	U	µg/kg
40	040MZ12801	4,4'-DDD	0.21	U	µg/kg
40	040MZ13101	4,4'-DDD	0.21	U	µg/kg
40	040MZ13201	4,4'-DDD	0.21	U	µg/kg
40	040MZ13301	4,4'-DDD	0.21	U	µg/kg
40	040MZ13801	4,4'-DDD	0.21	U	µg/kg
40	040MZ23201	4,4'-DDD	0.21	U	µg/kg
40	040MZ12401	4,4'-DDD	0.21	U	µg/kg
40	040MZ20101	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ23701	4,4'-DDD	0.21	U	µg/kg
40	040MZ23001	4,4'-DDD	0.21	U	µg/kg
40	040MZ22901	4,4'-DDD	0.21	U	µg/kg
40	040MZ22001	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ42401	4,4'-DDD	0.21	U	µg/kg
40	040MZ20401	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ20201	4,4'-DDD	0.21	UJ	µg/kg
40	040MZ23901	4,4'-DDD	0.21	U	µg/kg
40	040MZ31401	4,4'-DDD	0.22	U	µg/kg
40	040MZ42101	4,4'-DDD	0.22	U	µg/kg
40	040MZ32401	4,4'-DDD	0.22	UJ	µg/kg
40	040MZ31501	4,4'-DDD	0.22	U	µg/kg
40	040MZ31601	4,4'-DDD	0.22	U	µg/kg
40	040MZ31801	4,4'-DDD	0.22	U	µg/kg
40	040MZ32201	4,4'-DDD	0.22	UJ	µg/kg
40	040MZ41101	4,4'-DDD	0.22	U	µg/kg
40	040MZ41201	4,4'-DDD	0.22	U	µg/kg
40	040MZ41401	4,4'-DDD	0.22	U	µg/kg
40	040MZ41501	4,4'-DDD	0.22	U	µg/kg
40	040MZ41701	4,4'-DDD	0.22	U	µg/kg
40	040MZ31301	4,4'-DDD	0.22	UJ	µg/kg
40	040MZ41601	4,4'-DDD	0.22	U	µg/kg
40	040MZ25701	4,4'-DDD	0.22	U	µg/kg
40	040MZ25501	4,4'-DDD	0.22	U	µg/kg
40	040MZ25101	4,4'-DDD	0.22	U	µg/kg
40	040MZ24901	4,4'-DDD	0.22	U	µg/kg
40	040MZ24801	4,4'-DDD	0.22	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ24101	4,4'-DDD	0.22	U	µg/kg
40	040MZ23801	4,4'-DDD	0.22	U	µg/kg
40	040MZ23401	4,4'-DDD	0.22	U	µg/kg
40	040MZ20701	4,4'-DDD	0.22	U	µg/kg
40	040MZ20301	4,4'-DDD	0.22	UJ	µg/kg
40	040MZ12601	4,4'-DDD	0.22	U	µg/kg
40	040MZ11701	4,4'-DDD	0.22	U	µg/kg
40	040MZ31001	4,4'-DDD	0.22	U	µg/kg
40	040MZ21101	4,4'-DDD	0.23	U	µg/kg
40	040MZ23501	4,4'-DDD	0.23	U	µg/kg
40	040MZ30801	4,4'-DDD	0.23	U	µg/kg
40	040MZ41301	4,4'-DDD	0.24	U	µg/kg
40	040MZ32001	4,4'-DDD	0.25	UJ	µg/kg
40	040MZ22501	4,4'-DDD	0.28	U	µg/kg
40	040MZ30701	4,4'-DDD	0.42	U	µg/kg
40	040MZ23101	4,4'-DDD	0.6	U	µg/kg
40	040MZ11601	4,4'-DDD	0.62	U	µg/kg
40	040MZ30201	4,4'-DDD	0.67	U	µg/kg
40	040MZ40401	4,4'-DDD	0.73	UJ	µg/kg
40	040MZ13001	4,4'-DDD	0.76	U	µg/kg
40	040MZ23301	4,4'-DDD	0.76	U	µg/kg
40	040MZ22801	4,4'-DDD	0.81	U	µg/kg
40	040MZ24601	4,4'-DDD	0.81	U	µg/kg
40	040MZ11401	4,4'-DDD	0.84	U	µg/kg
40	040MZ11901	4,4'-DDD	0.88	U	µg/kg
40	040MZ13701	4,4'-DDD	0.98	U	µg/kg
40	040MZ20601	4,4'-DDD	0.98	U	µg/kg
40	040MZ12901	4,4'-DDD	0.99	U	µg/kg
40	040MZ22601	4,4'-DDD	1	U	µg/kg
40	040MZ12201	4,4'-DDD	1.1	U	µg/kg
40	040MZ40501	4,4'-DDD	1.1	U	µg/kg
40	040MZ13601	4,4'-DDD	1.2	U	µg/kg
40	040MZ31901	4,4'-DDD	1.2	U	µg/kg
40	040MZ10301	4,4'-DDD	2	U	µg/kg
40	040MZ10201	4,4'-DDD	2.1	U	µg/kg
40	040MZ11001	4,4'-DDD	2.1	U	µg/kg
40	040MZ11101	4,4'-DDD	2.1	U	µg/kg
40	040MZ13401	4,4'-DDD	2.1	U	µg/kg
40	040MZ10801	4,4'-DDD	2.2	U	µg/kg
40	040MZ10101	4,4'-DDD	2.4	U	µg/kg
40	040MZ11301	4,4'-DDD	2.7	U	µg/kg
40	040MZ10401	4,4'-DDD	3	U	µg/kg
40	040M2B0901	4,4'-DDD	4	U	µg/kg
40	040M2B0101	4,4'-DDD	4.2	U	µg/kg
40	040M2B0701	4,4'-DDD	4.2	U	µg/kg
40	040M2B0401	4,4'-DDD	4.4	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040M2B1001	4,4'-DDD	4.9	U	µg/kg
40	040MZ10501	4,4'-DDD	5.6	U	µg/kg
40	040MZ10701	4,4'-DDD	6.5	U	µg/kg
40	040MZ10901	4,4'-DDD	6.8	U	µg/kg
40	040MZ10601	4,4'-DDD	7.3	U	µg/kg
40	040M2B0501	4,4'-DDD	8	U	µg/kg
40	040MZ11201	4,4'-DDD	8.9	U	µg/kg
40	040MZ20501	4,4'-DDD	9.8	U	µg/kg
40	040M2B0201	4,4'-DDD	12	U	µg/kg
40	040M2B0301	4,4'-DDD	18	U	µg/kg
40	040MZ30601	4,4'-DDE	0.21	J	µg/kg
40	040MZ25101	4,4'-DDE	0.22	J	µg/kg
40	040MZ41101	4,4'-DDE	0.23	J	µg/kg
40	040MZ31401	4,4'-DDE	0.28	J	µg/kg
40	040MZ23601	4,4'-DDE	0.3	J	µg/kg
40	040MZ24501	4,4'-DDE	0.3	J	µg/kg
40	040MZ32401	4,4'-DDE	0.43	J	µg/kg
40	040MZ21101	4,4'-DDE	0.48	J	µg/kg
40	040MZ32001	4,4'-DDE	0.49	J	µg/kg
40	040MZ22001	4,4'-DDE	0.59		µg/kg
40	040M2B0501	4,4'-DDE	0.63	J	µg/kg
40	040MZ30701	4,4'-DDE	0.66	J	µg/kg
40	040MZ21601	4,4'-DDE	0.68	J	µg/kg
40	040MZ21201	4,4'-DDE	0.8		µg/kg
40	040MZ22501	4,4'-DDE	0.8	J	µg/kg
40	040MZ40401	4,4'-DDE	0.89	J	µg/kg
40	040MZ10401	4,4'-DDE	0.99	DJ	µg/kg
40	040MZ30801	4,4'-DDE	1.1	J	µg/kg
40	040MZ40501	4,4'-DDE	1.2	J	µg/kg
40	040MZ12901	4,4'-DDE	1.2	J	µg/kg
40	040MZ32301	4,4'-DDE	1.4	J	µg/kg
40	040MZ11401	4,4'-DDE	1.5	J	µg/kg
40	040MZ11601	4,4'-DDE	1.5	J	µg/kg
40	040MZ40101	4,4'-DDE	1.6	J	µg/kg
40	040MZ11901	4,4'-DDE	1.6	J	µg/kg
40	040MZ23101	4,4'-DDE	1.8	J	µg/kg
40	040MZ21701	4,4'-DDE	1.8		µg/kg
40	040MZ24701	4,4'-DDE	1.9	J	µg/kg
40	040MZ13001	4,4'-DDE	2	J	µg/kg
40	040MZ31701	4,4'-DDE	2	J	µg/kg
40	040MZ20601	4,4'-DDE	2	J	µg/kg
40	040MZ11501	4,4'-DDE	2.1	J	µg/kg
40	040M2B0801	4,4'-DDE	2.2	J	µg/kg
40	040MZ24401	4,4'-DDE	2.2	J	µg/kg
40	040MZ11201	4,4'-DDE	2.3	DJ	µg/kg
40	040MZ22801	4,4'-DDE	2.4	J	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ20501	4,4'-DDE	2.6	DJ	µg/kg
40	040MZ12201	4,4'-DDE	2.7	J	µg/kg
40	040MZ22601	4,4'-DDE	2.9	J	µg/kg
40	040MZ10501	4,4'-DDE	3.1	DJ	µg/kg
40	040MZ23301	4,4'-DDE	3.3	J	µg/kg
40	040MZ10601	4,4'-DDE	3.4	DJ	µg/kg
40	040MZ30401	4,4'-DDE	3.8	J	µg/kg
40	040MZ22201	4,4'-DDE	3.9		µg/kg
40	040MZ10701	4,4'-DDE	4	DJ	µg/kg
40	040MZ22101	4,4'-DDE	4.2	J	µg/kg
40	040MZ31901	4,4'-DDE	4.4		µg/kg
40	040MZ10901	4,4'-DDE	4.4	DJ	µg/kg
40	040MZ21501	4,4'-DDE	4.4		µg/kg
40	040MZ21801	4,4'-DDE	4.6	J	µg/kg
40	040M2B0601	4,4'-DDE	4.9	J	µg/kg
40	040MZ21401	4,4'-DDE	5.8		µg/kg
40	040MZ21901	4,4'-DDE	9.4	J	µg/kg
40	040MZ22301	4,4'-DDE	9.7		µg/kg
40	040MZ22401	4,4'-DDE	13		µg/kg
40	040MZ12301	4,4'-DDE	0.19	U	µg/kg
40	040MZ13301	4,4'-DDE	0.21	U	µg/kg
40	040MZ30101	4,4'-DDE	0.21	U	µg/kg
40	040MZ13101	4,4'-DDE	0.21	U	µg/kg
40	040MZ12801	4,4'-DDE	0.21	U	µg/kg
40	040MZ12701	4,4'-DDE	0.21	U	µg/kg
40	040MZ12501	4,4'-DDE	0.21	U	µg/kg
40	040MZ12101	4,4'-DDE	0.21	U	µg/kg
40	040MZ13501	4,4'-DDE	0.21	U	µg/kg
40	040MZ25601	4,4'-DDE	0.21	U	µg/kg
40	040MZ23701	4,4'-DDE	0.21	U	µg/kg
40	040MZ31201	4,4'-DDE	0.21	U	µg/kg
40	040MZ22701	4,4'-DDE	0.21	U	µg/kg
40	040MZ25401	4,4'-DDE	0.21	U	µg/kg
40	040MZ25301	4,4'-DDE	0.21	U	µg/kg
40	040MZ25201	4,4'-DDE	0.21	U	µg/kg
40	040MZ25001	4,4'-DDE	0.21	U	µg/kg
40	040MZ24301	4,4'-DDE	0.21	U	µg/kg
40	040MZ24001	4,4'-DDE	0.21	U	µg/kg
40	040MZ23901	4,4'-DDE	0.21	U	µg/kg
40	040MZ23201	4,4'-DDE	0.21	U	µg/kg
40	040MZ13201	4,4'-DDE	0.21	U	µg/kg
40	040MZ22901	4,4'-DDE	0.21	U	µg/kg
40	040MZ12401	4,4'-DDE	0.21	U	µg/kg
40	040MZ21301	4,4'-DDE	0.21	U	µg/kg
40	040MZ21001	4,4'-DDE	0.21	U	µg/kg
40	040MZ20901	4,4'-DDE	0.21	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ20801	4,4'-DDE	0.21	U	µg/kg
40	040MZ20401	4,4'-DDE	0.21	U	µg/kg
40	040MZ20201	4,4'-DDE	0.21	U	µg/kg
40	040MZ20101	4,4'-DDE	0.21	U	µg/kg
40	040MZ13801	4,4'-DDE	0.21	U	µg/kg
40	040MZ23001	4,4'-DDE	0.21	U	µg/kg
40	040MZ30901	4,4'-DDE	0.21	UJ	µg/kg
40	040MZ40601	4,4'-DDE	0.21	U	µg/kg
40	040MZ42301	4,4'-DDE	0.21	U	µg/kg
40	040MZ42001	4,4'-DDE	0.21	U	µg/kg
40	040MZ30301	4,4'-DDE	0.21	U	µg/kg
40	040MZ42401	4,4'-DDE	0.21	U	µg/kg
40	040MZ32101	4,4'-DDE	0.21	UJ	µg/kg
40	040MZ40301	4,4'-DDE	0.21	U	µg/kg
40	040MZ41901	4,4'-DDE	0.21	UJ	µg/kg
40	040MZ42201	4,4'-DDE	0.21	U	µg/kg
40	040MZ11801	4,4'-DDE	0.21	U	µg/kg
40	040MZ41801	4,4'-DDE	0.21	U	µg/kg
40	040MZ40901	4,4'-DDE	0.21	U	µg/kg
40	040MZ41001	4,4'-DDE	0.21	U	µg/kg
40	040MZ30501	4,4'-DDE	0.21	U	µg/kg
40	040MZ31101	4,4'-DDE	0.21	U	µg/kg
40	040MZ24901	4,4'-DDE	0.22	U	µg/kg
40	040MZ25501	4,4'-DDE	0.22	U	µg/kg
40	040MZ24101	4,4'-DDE	0.22	U	µg/kg
40	040MZ25701	4,4'-DDE	0.22	U	µg/kg
40	040MZ23801	4,4'-DDE	0.22	U	µg/kg
40	040MZ31001	4,4'-DDE	0.22	U	µg/kg
40	040MZ11701	4,4'-DDE	0.22	U	µg/kg
40	040MZ41201	4,4'-DDE	0.22	U	µg/kg
40	040MZ32201	4,4'-DDE	0.22	UJ	µg/kg
40	040MZ31801	4,4'-DDE	0.22	U	µg/kg
40	040MZ12601	4,4'-DDE	0.22	U	µg/kg
40	040MZ41401	4,4'-DDE	0.22	U	µg/kg
40	040MZ31301	4,4'-DDE	0.22	UJ	µg/kg
40	040MZ42101	4,4'-DDE	0.22	U	µg/kg
40	040MZ20301	4,4'-DDE	0.22	U	µg/kg
40	040MZ24801	4,4'-DDE	0.22	U	µg/kg
40	040MZ41501	4,4'-DDE	0.22	U	µg/kg
40	040MZ20701	4,4'-DDE	0.22	U	µg/kg
40	040MZ41601	4,4'-DDE	0.22	U	µg/kg
40	040MZ23401	4,4'-DDE	0.22	U	µg/kg
40	040MZ31501	4,4'-DDE	0.22	U	µg/kg
40	040MZ41701	4,4'-DDE	0.22	U	µg/kg
40	040MZ31601	4,4'-DDE	0.22	U	µg/kg
40	040MZ23501	4,4'-DDE	0.23	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ41301	4,4'-DDE	0.24	U	µg/kg
40	040MZ40801	4,4'-DDE	0.26	UJ	µg/kg
40	040M2B0701	4,4'-DDE	0.46	U	µg/kg
40	040MZ30201	4,4'-DDE	0.67	U	µg/kg
40	040MZ24601	4,4'-DDE	0.81	U	µg/kg
40	040MZ13701	4,4'-DDE	0.98	U	µg/kg
40	040MZ13601	4,4'-DDE	1.2	U	µg/kg
40	040MZ10301	4,4'-DDE	2	U	µg/kg
40	040MZ10201	4,4'-DDE	2.1	U	µg/kg
40	040MZ11001	4,4'-DDE	2.1	U	µg/kg
40	040MZ11101	4,4'-DDE	2.1	U	µg/kg
40	040MZ13401	4,4'-DDE	2.1	U	µg/kg
40	040MZ10801	4,4'-DDE	2.2	U	µg/kg
40	040MZ10101	4,4'-DDE	2.4	U	µg/kg
40	040MZ11301	4,4'-DDE	2.7	U	µg/kg
40	040M2B0901	4,4'-DDE	4	U	µg/kg
40	040M2B0101	4,4'-DDE	4.2	U	µg/kg
40	040M2B0401	4,4'-DDE	4.4	U	µg/kg
40	040M2B1001	4,4'-DDE	4.9	U	µg/kg
40	040M2B0201	4,4'-DDE	12	U	µg/kg
40	040M2B0301	4,4'-DDE	18	U	µg/kg
40	040MZ21201	4,4'-DDT	0.21	J	µg/kg
40	040MZ20801	4,4'-DDT	0.21	J	µg/kg
40	040MZ22001	4,4'-DDT	0.23	J	µg/kg
40	040MZ30901	4,4'-DDT	0.23	J	µg/kg
40	040MZ31001	4,4'-DDT	0.23	J	µg/kg
40	040MZ31601	4,4'-DDT	0.26	J	µg/kg
40	040MZ20901	4,4'-DDT	0.27	J	µg/kg
40	040MZ31301	4,4'-DDT	0.29	J	µg/kg
40	040MZ40801	4,4'-DDT	0.31	J	µg/kg
40	040MZ40301	4,4'-DDT	0.32	J	µg/kg
40	040MZ41501	4,4'-DDT	0.36		µg/kg
40	040MZ30801	4,4'-DDT	0.36	J	µg/kg
40	040MZ30701	4,4'-DDT	0.47	J	µg/kg
40	040MZ21601	4,4'-DDT	0.48	J	µg/kg
40	040MZ22501	4,4'-DDT	0.49	J	µg/kg
40	040MZ32101	4,4'-DDT	0.58	J	µg/kg
40	040MZ23101	4,4'-DDT	0.63	J	µg/kg
40	040MZ23301	4,4'-DDT	0.75	J	µg/kg
40	040MZ24601	4,4'-DDT	0.84	J	µg/kg
40	040MZ21701	4,4'-DDT	0.89	J	µg/kg
40	040M2B0201	4,4'-DDT	0.92	J	µg/kg
40	040MZ22701	4,4'-DDT	0.98		µg/kg
40	040MZ22601	4,4'-DDT	1	J	µg/kg
40	040MZ30401	4,4'-DDT	1.1	J	µg/kg
40	040MZ40101	4,4'-DDT	1.3	J	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ31701	4,4'-DDT	1.6	J	µg/kg
40	040MZ30101	4,4'-DDT	1.9	J	µg/kg
40	040MZ21801	4,4'-DDT	2.2	J	µg/kg
40	040MZ22301	4,4'-DDT	3	J	µg/kg
40	040MZ21901	4,4'-DDT	6.3	J	µg/kg
40	040M2B0601	4,4'-DDT	7.7	J	µg/kg
40	040MZ22101	4,4'-DDT	12	DJ	µg/kg
40	040M2B0501	4,4'-DDT	18		µg/kg
40	040MZ22401	4,4'-DDT	22	J	µg/kg
40	040MZ24501	4,4'-DDT	0.18	U	µg/kg
40	040MZ12301	4,4'-DDT	0.19	UJ	µg/kg
40	040MZ25601	4,4'-DDT	0.21	U	µg/kg
40	040MZ23701	4,4'-DDT	0.21	U	µg/kg
40	040MZ31101	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ20201	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ30601	4,4'-DDT	0.21	U	µg/kg
40	040MZ30501	4,4'-DDT	0.21	U	µg/kg
40	040MZ20401	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ30301	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ21001	4,4'-DDT	0.21	U	µg/kg
40	040MZ31201	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ22901	4,4'-DDT	0.21	U	µg/kg
40	040MZ40601	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ23001	4,4'-DDT	0.21	U	µg/kg
40	040MZ25401	4,4'-DDT	0.21	U	µg/kg
40	040MZ23201	4,4'-DDT	0.21	U	µg/kg
40	040MZ25301	4,4'-DDT	0.21	U	µg/kg
40	040MZ25201	4,4'-DDT	0.21	U	µg/kg
40	040MZ23901	4,4'-DDT	0.21	U	µg/kg
40	040MZ25001	4,4'-DDT	0.21	U	µg/kg
40	040MZ24001	4,4'-DDT	0.21	U	µg/kg
40	040MZ21301	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ41901	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ11801	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ12101	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ42401	4,4'-DDT	0.21	U	µg/kg
40	040MZ12401	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ42301	4,4'-DDT	0.21	U	µg/kg
40	040MZ12501	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ42201	4,4'-DDT	0.21	U	µg/kg
40	040MZ12701	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ20101	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ12801	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ24301	4,4'-DDT	0.21	U	µg/kg
40	040MZ13101	4,4'-DDT	0.21	U	µg/kg
40	040MZ41801	4,4'-DDT	0.21	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ13201	4,4'-DDT	0.21	U	µg/kg
40	040MZ13301	4,4'-DDT	0.21	U	µg/kg
40	040MZ41001	4,4'-DDT	0.21	U	µg/kg
40	040MZ13501	4,4'-DDT	0.21	U	µg/kg
40	040MZ40901	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ13801	4,4'-DDT	0.21	U	µg/kg
40	040MZ42001	4,4'-DDT	0.21	UJ	µg/kg
40	040MZ31501	4,4'-DDT	0.22	U	µg/kg
40	040MZ24101	4,4'-DDT	0.22	U	µg/kg
40	040MZ23401	4,4'-DDT	0.22	U	µg/kg
40	040MZ20301	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ42101	4,4'-DDT	0.22	U	µg/kg
40	040MZ32401	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ20701	4,4'-DDT	0.22	U	µg/kg
40	040MZ23801	4,4'-DDT	0.22	U	µg/kg
40	040MZ31801	4,4'-DDT	0.22	U	µg/kg
40	040MZ41101	4,4'-DDT	0.22	U	µg/kg
40	040MZ31401	4,4'-DDT	0.22	U	µg/kg
40	040MZ25701	4,4'-DDT	0.22	U	µg/kg
40	040MZ25501	4,4'-DDT	0.22	U	µg/kg
40	040MZ25101	4,4'-DDT	0.22	U	µg/kg
40	040MZ24901	4,4'-DDT	0.22	U	µg/kg
40	040MZ24801	4,4'-DDT	0.22	U	µg/kg
40	040MZ32201	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ41401	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ41201	4,4'-DDT	0.22	U	µg/kg
40	040MZ12601	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ41601	4,4'-DDT	0.22	U	µg/kg
40	040MZ11701	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ41701	4,4'-DDT	0.22	UJ	µg/kg
40	040MZ21101	4,4'-DDT	0.23	U	µg/kg
40	040MZ23501	4,4'-DDT	0.23	U	µg/kg
40	040MZ41301	4,4'-DDT	0.24	UJ	µg/kg
40	040MZ23601	4,4'-DDT	0.25	U	µg/kg
40	040MZ32001	4,4'-DDT	0.25	UJ	µg/kg
40	040MZ22201	4,4'-DDT	0.26	UJ	µg/kg
40	040MZ32301	4,4'-DDT	0.46	U	µg/kg
40	040MZ21501	4,4'-DDT	0.47	UJ	µg/kg
40	040MZ11601	4,4'-DDT	0.62	UJ	µg/kg
40	040MZ21401	4,4'-DDT	0.66	UJ	µg/kg
40	040MZ30201	4,4'-DDT	0.67	UJ	µg/kg
40	040MZ40401	4,4'-DDT	0.73	UJ	µg/kg
40	040MZ13001	4,4'-DDT	0.76	U	µg/kg
40	040MZ22801	4,4'-DDT	0.81	U	µg/kg
40	040MZ11401	4,4'-DDT	0.84	UJ	µg/kg
40	040MZ11901	4,4'-DDT	0.88	UJ	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
40	040MZ24701	4,4'-DDT	0.94	U	µg/kg
40	040MZ13701	4,4'-DDT	0.98	U	µg/kg
40	040MZ20601	4,4'-DDT	0.98	U	µg/kg
40	040MZ12901	4,4'-DDT	0.99	UJ	µg/kg
40	040MZ12201	4,4'-DDT	1.1	UJ	µg/kg
40	040MZ24401	4,4'-DDT	1.1	UJ	µg/kg
40	040MZ40501	4,4'-DDT	1.1	UJ	µg/kg
40	040MZ13601	4,4'-DDT	1.2	U	µg/kg
40	040MZ31901	4,4'-DDT	1.2	U	µg/kg
40	040MZ10301	4,4'-DDT	2	U	µg/kg
40	040MZ13401	4,4'-DDT	2.1	U	µg/kg
40	040MZ11001	4,4'-DDT	2.1	U	µg/kg
40	040MZ11101	4,4'-DDT	2.1	U	µg/kg
40	040MZ10201	4,4'-DDT	2.1	U	µg/kg
40	040MZ10801	4,4'-DDT	2.2	U	µg/kg
40	040MZ10101	4,4'-DDT	2.4	U	µg/kg
40	040MZ11301	4,4'-DDT	2.7	U	µg/kg
40	040MZ10401	4,4'-DDT	3	U	µg/kg
40	040M2B0901	4,4'-DDT	4	U	µg/kg
40	040M2B0701	4,4'-DDT	4.2	U	µg/kg
40	040M2B0101	4,4'-DDT	4.2	U	µg/kg
40	040M2B0401	4,4'-DDT	4.4	U	µg/kg
40	040M2B1001	4,4'-DDT	4.9	U	µg/kg
40	040MZ10501	4,4'-DDT	5.6	U	µg/kg
40	040M2B0801	4,4'-DDT	6.1	U	µg/kg
40	040MZ10701	4,4'-DDT	6.5	U	µg/kg
40	040MZ10901	4,4'-DDT	6.8	U	µg/kg
40	040MZ10601	4,4'-DDT	7.3	U	µg/kg
40	040MZ11201	4,4'-DDT	8.9	U	µg/kg
40	040MZ20501	4,4'-DDT	9.8	U	µg/kg
40	040M2B0301	4,4'-DDT	18	U	µg/kg
41	041M641501	4,4'-DDD	0.2	J	µg/kg
41	041M720201	4,4'-DDD	0.2	J	µg/kg
41	041M061101	4,4'-DDD	0.21	J	µg/kg
41	041M061001	4,4'-DDD	0.22	J	µg/kg
41	041M170101	4,4'-DDD	0.23	J	µg/kg
41	041M63B401	4,4'-DDD	0.23	J	µg/kg
41	041M5A0701	4,4'-DDD	0.23	J	µg/kg
41	041M060901	4,4'-DDD	0.25	J	µg/kg
41	041M641201	4,4'-DDD	0.26	J	µg/kg
41	041M160101	4,4'-DDD	0.27	J	µg/kg
41	041M640901	4,4'-DDD	0.31	J	µg/kg
41	041M63A401	4,4'-DDD	0.32	J	µg/kg
41	041M63B201	4,4'-DDD	0.34	J	µg/kg
41	001M001601	4,4'-DDD	0.41	J	µg/kg
41	041M52D101	4,4'-DDD	0.45	J	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M52E201	4,4'-DDD	0.51	J	µg/kg
41	041M5A0101	4,4'-DDD	0.64	J	µg/kg
41	003M000301	4,4'-DDD	0.66	J	µg/kg
41	041M641101	4,4'-DDD	0.68	J	µg/kg
41	041M19B101	4,4'-DDD	0.71		µg/kg
41	041M5A0301	4,4'-DDD	0.84	J	µg/kg
41	041MW20201	4,4'-DDD	0.86		µg/kg
41	041M641901	4,4'-DDD	1.1	J	µg/kg
41	041M150401	4,4'-DDD	1.3	J	µg/kg
41	041M030301	4,4'-DDD	1.3	J	µg/kg
41	041M63A201	4,4'-DDD	1.3	J	µg/kg
41	041M5A0601	4,4'-DDD	1.3	J	µg/kg
41	041M5A0201	4,4'-DDD	1.5	J	µg/kg
41	041M160201	4,4'-DDD	1.5	J	µg/kg
41	041M030401	4,4'-DDD	1.6	J	µg/kg
41	041M060501	4,4'-DDD	2.2		µg/kg
41	041M641001	4,4'-DDD	2.2	J	µg/kg
41	041M640801	4,4'-DDD	2.2		µg/kg
41	041M5B0201	4,4'-DDD	2.2	J	µg/kg
41	041M5A0401	4,4'-DDD	2.3	J	µg/kg
41	041M060401	4,4'-DDD	2.3	J	µg/kg
41	003M000101	4,4'-DDD	2.5	J	µg/kg
41	041M060201	4,4'-DDD	3.1	J	µg/kg
41	001M000101	4,4'-DDD	3.1	J	µg/kg
41	041M570101	4,4'-DDD	3.3	J	µg/kg
41	041M030501	4,4'-DDD	3.5	J	µg/kg
41	041M160301	4,4'-DDD	4.8	J	µg/kg
41	041M010301	4,4'-DDD	5	DJ	µg/kg
41	041M63A301	4,4'-DDD	5.6	DJ	µg/kg
41	041MW20101	4,4'-DDD	5.8	D	µg/kg
41	041M52E101	4,4'-DDD	6.1	DJ	µg/kg
41	001M000302	4,4'-DDD	6.2		µg/kg
41	041M060801	4,4'-DDD	6.4	D	µg/kg
41	041M030701	4,4'-DDD	6.8	J	µg/kg
41	041M160301	4,4'-DDD	6.9	J	µg/kg
41	041M030601	4,4'-DDD	7.7	D	µg/kg
41	041M010201	4,4'-DDD	7.9	J	µg/kg
41	041M060601	4,4'-DDD	8.3	D	µg/kg
41	041M750101	4,4'-DDD	8.3		µg/kg
41	041M640101	4,4'-DDD	12	DJ	µg/kg
41	041M640701	4,4'-DDD	12	D	µg/kg
41	041M030101	4,4'-DDD	14	DJ	µg/kg
41	041M030201	4,4'-DDD	14	J	µg/kg
41	041M04D201	4,4'-DDD	15	DJ	µg/kg
41	041M18A301	4,4'-DDD	16		µg/kg
41	041M640401	4,4'-DDD	16		µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	001M000301	4,4'-DDD	19		µg/kg
41	041M060701	4,4'-DDD	22	J	µg/kg
41	041M060101	4,4'-DDD	23	J	µg/kg
41	041M010401	4,4'-DDD	25	DJ	µg/kg
41	033M004001	4,4'-DDD	25	J	µg/kg
41	041M640501	4,4'-DDD	29	J	µg/kg
41	041M640601	4,4'-DDD	30		µg/kg
41	041M640501	4,4'-DDD	30		µg/kg
41	041M030201	4,4'-DDD	31	D	µg/kg
41	041M04D101	4,4'-DDD	33	DJ	µg/kg
41	041M18B101	4,4'-DDD	36		µg/kg
41	033M002001	4,4'-DDD	36		µg/kg
41	033M001001	4,4'-DDD	37	J	µg/kg
41	010M000101	4,4'-DDD	37	J	µg/kg
41	041M060301	4,4'-DDD	40	DJ	µg/kg
41	041M640301	4,4'-DDD	44	J	µg/kg
41	041M18A201	4,4'-DDD	49	DJ	µg/kg
41	041M030701	4,4'-DDD	49		µg/kg
41	041M56A101	4,4'-DDD	53	D	µg/kg
41	041M640601	4,4'-DDD	53		µg/kg
41	041M490201	4,4'-DDD	59	DJ	µg/kg
41	041M150201	4,4'-DDD	62	DJ	µg/kg
41	041M150101	4,4'-DDD	85	DJ	µg/kg
41	041M640401	4,4'-DDD	89		µg/kg
41	041M490101	4,4'-DDD	94	DJ	µg/kg
41	041M5A0401	4,4'-DDD	100	D	µg/kg
41	041M640602	4,4'-DDD	100	J	µg/kg
41	041M04D401	4,4'-DDD	110	D	µg/kg
41	033M003001	4,4'-DDD	120	J	µg/kg
41	041M640201	4,4'-DDD	140	D	µg/kg
41	001M001801	4,4'-DDD	150		µg/kg
41	041M150301	4,4'-DDD	200	DJ	µg/kg
41	041M18B101	4,4'-DDD	280	D	µg/kg
41	001M000303	4,4'-DDD	400	J	µg/kg
41	041M18A101	4,4'-DDD	930	D	µg/kg
41	041M480101	4,4'-DDD	2600	DJ	µg/kg
41	041M170301	4,4'-DDD	0.19	U	µg/kg
41	041M63A101	4,4'-DDD	0.2	U	µg/kg
41	041M642101	4,4'-DDD	0.21	U	µg/kg
41	041M642001	4,4'-DDD	0.21	U	µg/kg
41	041M5B0101	4,4'-DDD	0.21	U	µg/kg
41	041M120101	4,4'-DDD	0.21	U	µg/kg
41	041M10A301	4,4'-DDD	0.21	U	µg/kg
41	041M10A201	4,4'-DDD	0.21	U	µg/kg
41	041M19A201	4,4'-DDD	0.21	U	µg/kg
41	041M10A101	4,4'-DDD	0.21	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M63A501	4,4'-DDD	0.21	U	µg/kg
41	041M170201	4,4'-DDD	0.21	U	µg/kg
41	041M04D501	4,4'-DDD	0.21	U	µg/kg
41	041M63B301	4,4'-DDD	0.21	U	µg/kg
41	041M04D301	4,4'-DDD	0.21	U	µg/kg
41	041M642301	4,4'-DDD	0.22	U	µg/kg
41	041M641801	4,4'-DDD	0.22	U	µg/kg
41	041M580101	4,4'-DDD	0.23	U	µg/kg
41	041M5A0601	4,4'-DDD	0.23	U	µg/kg
41	041M720101	4,4'-DDD	0.23	U	µg/kg
41	041M010101	4,4'-DDD	0.23	UJ	µg/kg
41	041M642401	4,4'-DDD	0.23	UJ	µg/kg
41	041M642201	4,4'-DDD	0.24	U	µg/kg
41	041M52E301	4,4'-DDD	0.24	U	µg/kg
41	041M490301	4,4'-DDD	0.24	U	µg/kg
41	041M130101	4,4'-DDD	0.26	UJ	µg/kg
41	041M641701	4,4'-DDD	0.31	U	µg/kg
41	041M120201	4,4'-DDD	0.32	U	µg/kg
41	041M19A101	4,4'-DDD	0.46	U	µg/kg
41	041M5A0501	4,4'-DDD	0.81	UJ	µg/kg
41	041MW20301	4,4'-DDD	0.91	U	µg/kg
41	041M641301	4,4'-DDD	0.92	UJ	µg/kg
41	041M641601	4,4'-DDD	0.97	U	µg/kg
41	041M641401	4,4'-DDD	1	U	µg/kg
41	041M52A101	4,4'-DDD	1.4	U	µg/kg
41	041M19A101	4,4'-DDD	1.4	U	µg/kg
41	041M640702	4,4'-DDD	4	U	µg/kg
41	003M000201	4,4'-DDD	4.1	U	µg/kg
41	041M642402	4,4'-DDD	4.1	UJ	µg/kg
41	041M5B0401	4,4'-DDD	5.1	U	µg/kg
41	041M5B0501	4,4'-DDD	5.4	U	µg/kg
41	041M5B0301	4,4'-DDD	6.2	U	µg/kg
41	041M5B0202	4,4'-DDD	7.8	U	µg/kg
41	041M5B0601	4,4'-DDD	8	U	µg/kg
41	041M640302	4,4'-DDD	14	U	µg/kg
41	041M640502	4,4'-DDD	23	U	µg/kg
41	041M640202	4,4'-DDD	30	U	µg/kg
41	041M5A0501	4,4'-DDD	100	U	µg/kg
41	041M641102	4,4'-DDD	130	UJ	µg/kg
41	041M061001	4,4'-DDE	0.23		µg/kg
41	041M720101	4,4'-DDE	0.24		µg/kg
41	041M10A201	4,4'-DDE	0.25	J	µg/kg
41	041M63B201	4,4'-DDE	0.27	J	µg/kg
41	041M061101	4,4'-DDE	0.29		µg/kg
41	041M170101	4,4'-DDE	0.3		µg/kg
41	041M160101	4,4'-DDE	0.3	J	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M04D501	4,4'-DDE	0.32		µg/kg
41	041M5B0101	4,4'-DDE	0.32	J	µg/kg
41	041M640901	4,4'-DDE	0.35		µg/kg
41	041M63B101	4,4'-DDE	0.36	J	µg/kg
41	041M63B401	4,4'-DDE	0.37	J	µg/kg
41	041MW20201	4,4'-DDE	0.38	J	µg/kg
41	041M641501	4,4'-DDE	0.43	J	µg/kg
41	041M010301	4,4'-DDE	0.48	J	µg/kg
41	041M19A201	4,4'-DDE	0.55		µg/kg
41	003M000301	4,4'-DDE	0.56	J	µg/kg
41	041M640701	4,4'-DDE	0.61		µg/kg
41	041M04D301	4,4'-DDE	0.72	J	µg/kg
41	041M030301	4,4'-DDE	0.84	J	µg/kg
41	041M5A0101	4,4'-DDE	0.87	J	µg/kg
41	041M030401	4,4'-DDE	0.9		µg/kg
41	041M63A201	4,4'-DDE	0.95		µg/kg
41	041M120201	4,4'-DDE	0.97		µg/kg
41	041M5A0601	4,4'-DDE	1.2		µg/kg
41	041M19B101	4,4'-DDE	1.2		µg/kg
41	041M641901	4,4'-DDE	1.3	J	µg/kg
41	041M641301	4,4'-DDE	1.4	J	µg/kg
41	041M5A0201	4,4'-DDE	1.4	J	µg/kg
41	041M5A0401	4,4'-DDE	1.7	J	µg/kg
41	041M130101	4,4'-DDE	1.9	J	µg/kg
41	041M641101	4,4'-DDE	2	J	µg/kg
41	041M10A301	4,4'-DDE	2.3		µg/kg
41	041MW20101	4,4'-DDE	2.4	J	µg/kg
41	041M640801	4,4'-DDE	2.4		µg/kg
41	001M000302	4,4'-DDE	2.5	J	µg/kg
41	041M641001	4,4'-DDE	2.5	J	µg/kg
41	041M030601	4,4'-DDE	2.5	J	µg/kg
41	041M060201	4,4'-DDE	2.8	J	µg/kg
41	041M060501	4,4'-DDE	2.8	J	µg/kg
41	041M160201	4,4'-DDE	3.1	J	µg/kg
41	001M000301	4,4'-DDE	3.4	J	µg/kg
41	041M5A0601	4,4'-DDE	3.6	J	µg/kg
41	041M640101	4,4'-DDE	3.7	J	µg/kg
41	041M5B0201	4,4'-DDE	3.9		µg/kg
41	041M060401	4,4'-DDE	4.3		µg/kg
41	041M010401	4,4'-DDE	4.5	DJ	µg/kg
41	041M160301	4,4'-DDE	4.8	J	µg/kg
41	041M56A101	4,4'-DDE	5.3	DJ	µg/kg
41	041M750101	4,4'-DDE	5.7		µg/kg
41	001M000101	4,4'-DDE	5.8	J	µg/kg
41	041M18B101	4,4'-DDE	6.1	J	µg/kg
41	041M52E101	4,4'-DDE	7	D	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M570101	4,4'-DDE	7.2	J	µg/kg
41	041M060601	4,4'-DDE	8	D	µg/kg
41	041M060801	4,4'-DDE	8.4	D	µg/kg
41	041M640302	4,4'-DDE	8.4	J	µg/kg
41	041M010201	4,4'-DDE	8.6	J	µg/kg
41	041M490201	4,4'-DDE	9.2		µg/kg
41	041M150401	4,4'-DDE	10	J	µg/kg
41	041M030701	4,4'-DDE	11		µg/kg
41	041M18A301	4,4'-DDE	14	J	µg/kg
41	041M640601	4,4'-DDE	16	J	µg/kg
41	041M490101	4,4'-DDE	18		µg/kg
41	041M640401	4,4'-DDE	18		µg/kg
41	041M5B0202	4,4'-DDE	18	I	µg/kg
41	033M004001	4,4'-DDE	18	J	µg/kg
41	033M001001	4,4'-DDE	21	J	µg/kg
41	041M030101	4,4'-DDE	21	DJ	µg/kg
41	041M5B0301	4,4'-DDE	23	I	µg/kg
41	041M5B0601	4,4'-DDE	24	I	µg/kg
41	041M160301	4,4'-DDE	26	J	µg/kg
41	041M640501	4,4'-DDE	27	DJ	µg/kg
41	010M000101	4,4'-DDE	29	J	µg/kg
41	041M04D201	4,4'-DDE	29	DJ	µg/kg
41	041M640602	4,4'-DDE	30	J	µg/kg
41	041M640502	4,4'-DDE	32	J	µg/kg
41	041M060301	4,4'-DDE	33	DJ	µg/kg
41	041M640501	4,4'-DDE	33		µg/kg
41	041M060701	4,4'-DDE	34	J	µg/kg
41	041M640202	4,4'-DDE	43	J	µg/kg
41	041M640601	4,4'-DDE	44		µg/kg
41	041M04D101	4,4'-DDE	46	DJ	µg/kg
41	033M002001	4,4'-DDE	54	J	µg/kg
41	041M5A0401	4,4'-DDE	57	D	µg/kg
41	041M18A201	4,4'-DDE	57	DJ	µg/kg
41	041M04D401	4,4'-DDE	65	DJ	µg/kg
41	041M150301	4,4'-DDE	69	DJ	µg/kg
41	041M640201	4,4'-DDE	72	DJ	µg/kg
41	041M640301	4,4'-DDE	78		µg/kg
41	041M640401	4,4'-DDE	89		µg/kg
41	033M003001	4,4'-DDE	96	J	µg/kg
41	041M060101	4,4'-DDE	110	D	µg/kg
41	041M150201	4,4'-DDE	110	DJ	µg/kg
41	001M000303	4,4'-DDE	120	J	µg/kg
41	041M5A0501	4,4'-DDE	120	D	µg/kg
41	001M001801	4,4'-DDE	150		µg/kg
41	041M18A101	4,4'-DDE	270	D	µg/kg
41	041M150101	4,4'-DDE	340	DJ	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M480101	4,4'-DDE	620	DJ	µg/kg
41	041M170301	4,4'-DDE	0.19	U	µg/kg
41	041M5A0701	4,4'-DDE	0.2	U	µg/kg
41	041M63A101	4,4'-DDE	0.2	U	µg/kg
41	041M63A501	4,4'-DDE	0.21	U	µg/kg
41	041M63B301	4,4'-DDE	0.21	U	µg/kg
41	041M120101	4,4'-DDE	0.21	U	µg/kg
41	041M641201	4,4'-DDE	0.21	U	µg/kg
41	041M170201	4,4'-DDE	0.21	U	µg/kg
41	041M642101	4,4'-DDE	0.21	U	µg/kg
41	041M642001	4,4'-DDE	0.21	U	µg/kg
41	041M10A101	4,4'-DDE	0.21	U	µg/kg
41	041M720201	4,4'-DDE	0.21	U	µg/kg
41	041M642301	4,4'-DDE	0.22	U	µg/kg
41	041M641801	4,4'-DDE	0.22	U	µg/kg
41	041M060901	4,4'-DDE	0.22	U	µg/kg
41	041M580101	4,4'-DDE	0.23	U	µg/kg
41	041M010101	4,4'-DDE	0.23	UJ	µg/kg
41	041M642401	4,4'-DDE	0.23	UJ	µg/kg
41	041M642201	4,4'-DDE	0.24	U	µg/kg
41	041M52E301	4,4'-DDE	0.24	U	µg/kg
41	041M490301	4,4'-DDE	0.24	U	µg/kg
41	041M63A401	4,4'-DDE	0.26	UJ	µg/kg
41	041M641701	4,4'-DDE	0.31	U	µg/kg
41	041M63A301	4,4'-DDE	0.38	U	µg/kg
41	041M52D101	4,4'-DDE	0.43	U	µg/kg
41	041M52E201	4,4'-DDE	0.45	U	µg/kg
41	041M5A0301	4,4'-DDE	0.61	UJ	µg/kg
41	041M19A101	4,4'-DDE	0.71	U	µg/kg
41	041M030701	4,4'-DDE	0.88	U	µg/kg
41	041MW20301	4,4'-DDE	0.91	U	µg/kg
41	041M641601	4,4'-DDE	0.97	U	µg/kg
41	041M641401	4,4'-DDE	1	U	µg/kg
41	041M030501	4,4'-DDE	1.1	U	µg/kg
41	041M52A101	4,4'-DDE	1.4	U	µg/kg
41	041M19A101	4,4'-DDE	1.4	U	µg/kg
41	041M030201	4,4'-DDE	1.5	U	µg/kg
41	041M640702	4,4'-DDE	4	U	µg/kg
41	003M000201	4,4'-DDE	4.1	U	µg/kg
41	041M642402	4,4'-DDE	4.1	UJ	µg/kg
41	001M001601	4,4'-DDE	6.1	U	µg/kg
41	041M5B0401	4,4'-DDE	7.8	U	µg/kg
41	041M5B0501	4,4'-DDE	8.3	U	µg/kg
41	003M000101	4,4'-DDE	15	U	µg/kg
41	041M030201	4,4'-DDE	16	U	µg/kg
41	041M18B101	4,4'-DDE	50	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M5A0501	4,4'-DDE	100	U	µg/kg
41	041M641102	4,4'-DDE	130	UJ	µg/kg
41	041M061001	4,4'-DDT	0.22		µg/kg
41	041M10A301	4,4'-DDT	0.25	J	µg/kg
41	041M720101	4,4'-DDT	0.26	J	µg/kg
41	041MW20201	4,4'-DDT	0.28	J	µg/kg
41	041M63A201	4,4'-DDT	0.29	J	µg/kg
41	041M030401	4,4'-DDT	0.32	J	µg/kg
41	041M19B101	4,4'-DDT	0.34	J	µg/kg
41	041M060201	4,4'-DDT	0.35	J	µg/kg
41	003M000101	4,4'-DDT	0.36	J	µg/kg
41	041M030301	4,4'-DDT	0.48	J	µg/kg
41	041M10A201	4,4'-DDT	0.53	J	µg/kg
41	041M641501	4,4'-DDT	0.6	J	µg/kg
41	041M640801	4,4'-DDT	0.66	J	µg/kg
41	041M060901	4,4'-DDT	0.74		µg/kg
41	041M640501	4,4'-DDT	0.74	J	µg/kg
41	041M63A401	4,4'-DDT	0.78	J	µg/kg
41	041M5A0101	4,4'-DDT	0.78	J	µg/kg
41	041M030701	4,4'-DDT	0.94	J	µg/kg
41	041M010201	4,4'-DDT	1.1	J	µg/kg
41	041M63A301	4,4'-DDT	1.1	J	µg/kg
41	041M570101	4,4'-DDT	1.2	J	µg/kg
41	041M490101	4,4'-DDT	1.2	J	µg/kg
41	001M000101	4,4'-DDT	1.2	J	µg/kg
41	041M5A0401	4,4'-DDT	1.3	J	µg/kg
41	001M000302	4,4'-DDT	1.3	J	µg/kg
41	041M52E101	4,4'-DDT	1.3		µg/kg
41	041M640601	4,4'-DDT	1.4	J	µg/kg
41	041M010301	4,4'-DDT	1.4	J	µg/kg
41	041M030201	4,4'-DDT	1.4	J	µg/kg
41	041M130101	4,4'-DDT	1.4	J	µg/kg
41	041M04D301	4,4'-DDT	1.5	J	µg/kg
41	041M030601	4,4'-DDT	1.9	J	µg/kg
41	041M18A301	4,4'-DDT	1.9	J	µg/kg
41	041M060401	4,4'-DDT	2	J	µg/kg
41	041M750101	4,4'-DDT	2	J	µg/kg
41	041M04D201	4,4'-DDT	2.2	J	µg/kg
41	041M060501	4,4'-DDT	2.2		µg/kg
41	041M160301	4,4'-DDT	2.8	J	µg/kg
41	041M56A101	4,4'-DDT	2.8		µg/kg
41	041M04D101	4,4'-DDT	2.9	J	µg/kg
41	041M490201	4,4'-DDT	3	J	µg/kg
41	041M5A0601	4,4'-DDT	3.2	J	µg/kg
41	041MW20101	4,4'-DDT	3.5	J	µg/kg
41	041M030201	4,4'-DDT	3.7	J	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M04D401	4,4'-DDT	3.9	J	µg/kg
41	041M150201	4,4'-DDT	4.3	J	µg/kg
41	041M060801	4,4'-DDT	4.5	J	µg/kg
41	041M060601	4,4'-DDT	4.8	J	µg/kg
41	041M5A0501	4,4'-DDT	5	J	µg/kg
41	033M001001	4,4'-DDT	6.2	J	µg/kg
41	041M5A0401	4,4'-DDT	7.2		µg/kg
41	041M030101	4,4'-DDT	7.5	DJ	µg/kg
41	033M004001	4,4'-DDT	7.8		µg/kg
41	033M002001	4,4'-DDT	8.8	J	µg/kg
41	041M030701	4,4'-DDT	9.3		µg/kg
41	041M150101	4,4'-DDT	9.9	J	µg/kg
41	001M000301	4,4'-DDT	9.9		µg/kg
41	041M010401	4,4'-DDT	10	DJ	µg/kg
41	010M000101	4,4'-DDT	11	J	µg/kg
41	041M060701	4,4'-DDT	11	J	µg/kg
41	041M640301	4,4'-DDT	14	J	µg/kg
41	041M640101	4,4'-DDT	14	DJ	µg/kg
41	041M150301	4,4'-DDT	16	J	µg/kg
41	041M160301	4,4'-DDT	16		µg/kg
41	041M640401	4,4'-DDT	18	J	µg/kg
41	041M640601	4,4'-DDT	19		µg/kg
41	033M003001	4,4'-DDT	48	J	µg/kg
41	041M060301	4,4'-DDT	52	D	µg/kg
41	041M18B101	4,4'-DDT	110	D	µg/kg
41	001M000303	4,4'-DDT	220		µg/kg
41	041M480101	4,4'-DDT	240	J	µg/kg
41	041M060101	4,4'-DDT	260	DJ	µg/kg
41	041M18A201	4,4'-DDT	310	D	µg/kg
41	041M18A101	4,4'-DDT	1200	D	µg/kg
41	041M18B101	4,4'-DDT	1800	D	µg/kg
41	041M170301	4,4'-DDT	0.19	U	µg/kg
41	041M63A101	4,4'-DDT	0.2	U	µg/kg
41	041M061101	4,4'-DDT	0.2	U	µg/kg
41	041M5A0701	4,4'-DDT	0.2	U	µg/kg
41	041M04D501	4,4'-DDT	0.21	U	µg/kg
41	041M720201	4,4'-DDT	0.21	UJ	µg/kg
41	041M120101	4,4'-DDT	0.21	UJ	µg/kg
41	041M170201	4,4'-DDT	0.21	U	µg/kg
41	041M641201	4,4'-DDT	0.21	U	µg/kg
41	041M160101	4,4'-DDT	0.21	U	µg/kg
41	041M642101	4,4'-DDT	0.21	U	µg/kg
41	041M63B301	4,4'-DDT	0.21	U	µg/kg
41	041M5B0101	4,4'-DDT	0.21	U	µg/kg
41	041M640901	4,4'-DDT	0.21	U	µg/kg
41	041M10A101	4,4'-DDT	0.21	UJ	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M19A201	4,4'-DDT	0.21	U	µg/kg
41	041M63A501	4,4'-DDT	0.21	U	µg/kg
41	041M642001	4,4'-DDT	0.21	U	µg/kg
41	041M63B401	4,4'-DDT	0.22	U	µg/kg
41	041M642301	4,4'-DDT	0.22	U	µg/kg
41	041M641801	4,4'-DDT	0.22	U	µg/kg
41	041M63B201	4,4'-DDT	0.23	U	µg/kg
41	041M580101	4,4'-DDT	0.23	U	µg/kg
41	041M010101	4,4'-DDT	0.23	UJ	µg/kg
41	041M642401	4,4'-DDT	0.23	UJ	µg/kg
41	041M5A0601	4,4'-DDT	0.23	U	µg/kg
41	041M640701	4,4'-DDT	0.23	U	µg/kg
41	041M170101	4,4'-DDT	0.23	U	µg/kg
41	041M490301	4,4'-DDT	0.24	U	µg/kg
41	041M52E301	4,4'-DDT	0.24	U	µg/kg
41	041M642201	4,4'-DDT	0.24	U	µg/kg
41	041M641701	4,4'-DDT	0.31	U	µg/kg
41	041M5A0201	4,4'-DDT	0.32	UJ	µg/kg
41	041M120201	4,4'-DDT	0.32	UJ	µg/kg
41	041M160201	4,4'-DDT	0.33	U	µg/kg
41	041M19A101	4,4'-DDT	0.41	U	µg/kg
41	041M52D101	4,4'-DDT	0.43	U	µg/kg
41	041M52E201	4,4'-DDT	0.45	U	µg/kg
41	041M641101	4,4'-DDT	0.59	U	µg/kg
41	041M150401	4,4'-DDT	0.59	U	µg/kg
41	041M5A0301	4,4'-DDT	0.61	UJ	µg/kg
41	041M5B0201	4,4'-DDT	0.73	U	µg/kg
41	041MW20301	4,4'-DDT	0.91	U	µg/kg
41	041M641301	4,4'-DDT	0.92	UJ	µg/kg
41	041M641601	4,4'-DDT	0.97	U	µg/kg
41	041M641001	4,4'-DDT	0.97	U	µg/kg
41	041M641401	4,4'-DDT	1	U	µg/kg
41	041M030501	4,4'-DDT	1.1	U	µg/kg
41	041M641901	4,4'-DDT	1.1	U	µg/kg
41	041M19A101	4,4'-DDT	1.4	U	µg/kg
41	041M52A101	4,4'-DDT	1.4	U	µg/kg
41	041M640401	4,4'-DDT	1.9	U	µg/kg
41	041M640201	4,4'-DDT	3.3	U	µg/kg
41	041M640702	4,4'-DDT	4	U	µg/kg
41	041M642402	4,4'-DDT	4.1	UJ	µg/kg
41	003M000201	4,4'-DDT	4.1	U	µg/kg
41	041M5B0401	4,4'-DDT	4.5	U	µg/kg
41	003M000301	4,4'-DDT	4.7	U	µg/kg
41	041M5B0501	4,4'-DDT	4.8	U	µg/kg
41	041M5B0301	4,4'-DDT	5.5	U	µg/kg
41	001M001601	4,4'-DDT	6.1	U	µg/kg

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

Site	SAMPLE_ID	PARAM	Results	VQUAL	Units
41	041M5B0202	4,4'-DDT	6.9	U	µg/kg
41	041M5B0601	4,4'-DDT	7	U	µg/kg
41	041M640501	4,4'-DDT	7.7	U	µg/kg
41	001M001801	4,4'-DDT	37	U	µg/kg
41	041M640302	4,4'-DDT	43	UJ	µg/kg
41	041M640602	4,4'-DDT	48	U	µg/kg
41	041M640502	4,4'-DDT	60	U	µg/kg
41	041M640202	4,4'-DDT	68	U	µg/kg
41	041M5A0501	4,4'-DDT	100	U	µg/kg
41	041M641102	4,4'-DDT	130	UJ	µg/kg

Notes:

U - Undetected; the anlayte was not detected
J - Estimated Value; one or more QC parameters were outside control limits
NJ - Presumptive Identification; the analyte is presumptively identified at an estimated concentration
UJ - Undetected and estimated; the analyte was not detected and the quantitation is estimated
D - Diluted Result; the result was obtained from a diluted sample
µg/kg - Micrograms per kilogram or parts per billion (ppb)

Summary Tables for the Blue-coded and Reference Wetlands from the Site 41 Remedial Investigation Report

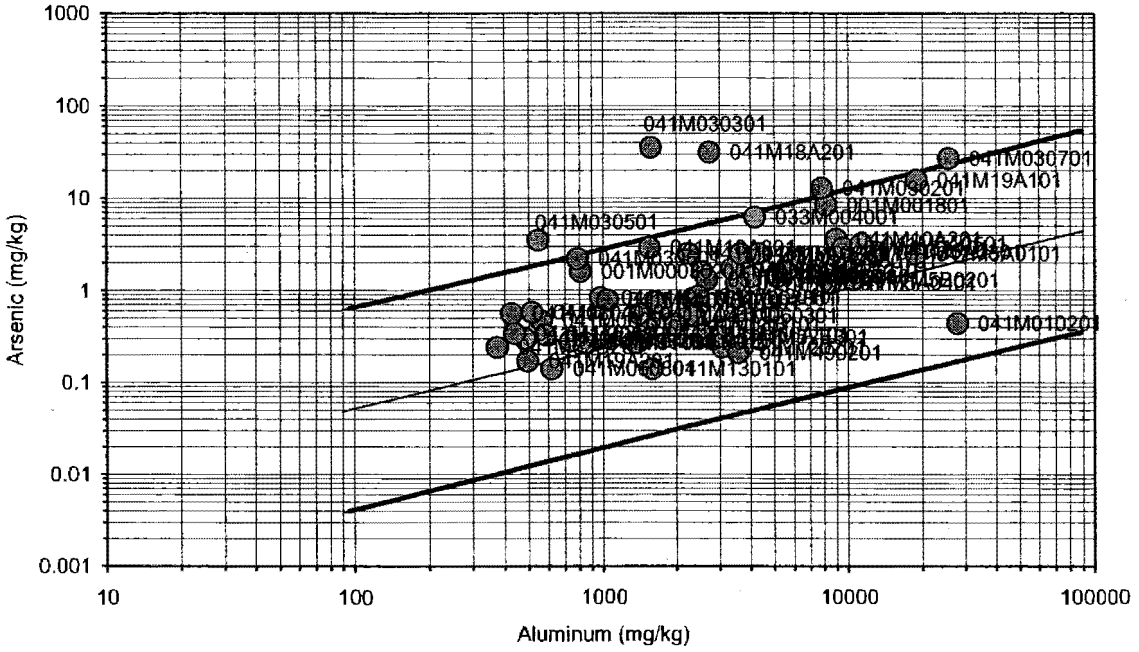
Appendix K

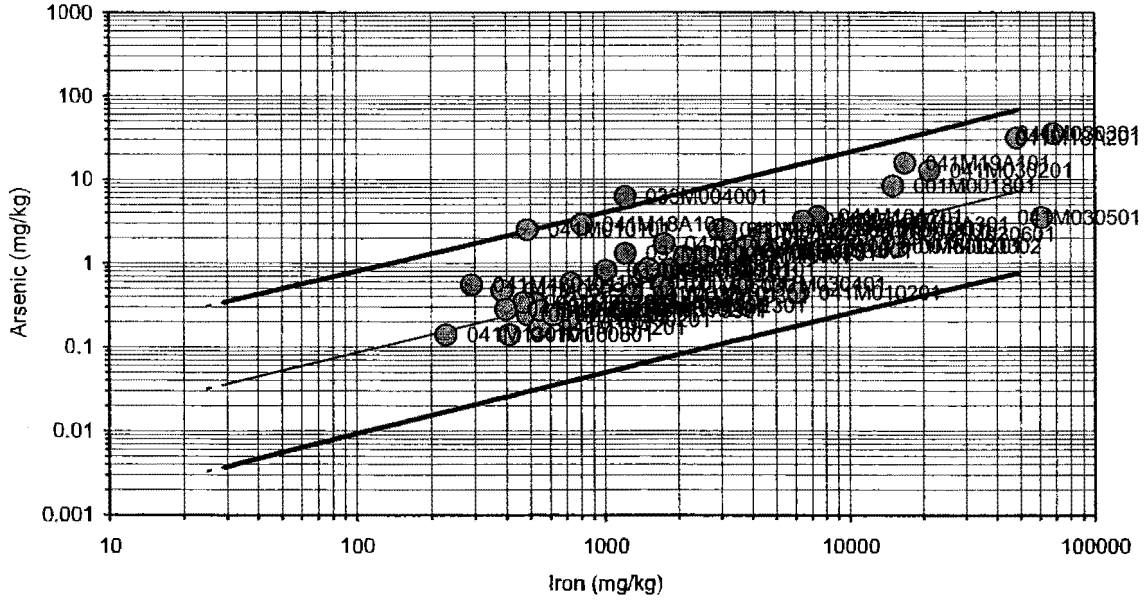
Regression Analysis of Inorganics in Freshwater Sediment

using

Carvalho, A. Schropp, S. Sloane, G., Giernacki, T., and Seal, T. (2002, May). *Development of an Interpretive Tool for Assessment of Metal Enrichment in Florida Freshwater Sediment.* Florida Department of Environmental Protection, Tallahassee, FL.

Phase II Data Freshwater Wetlands

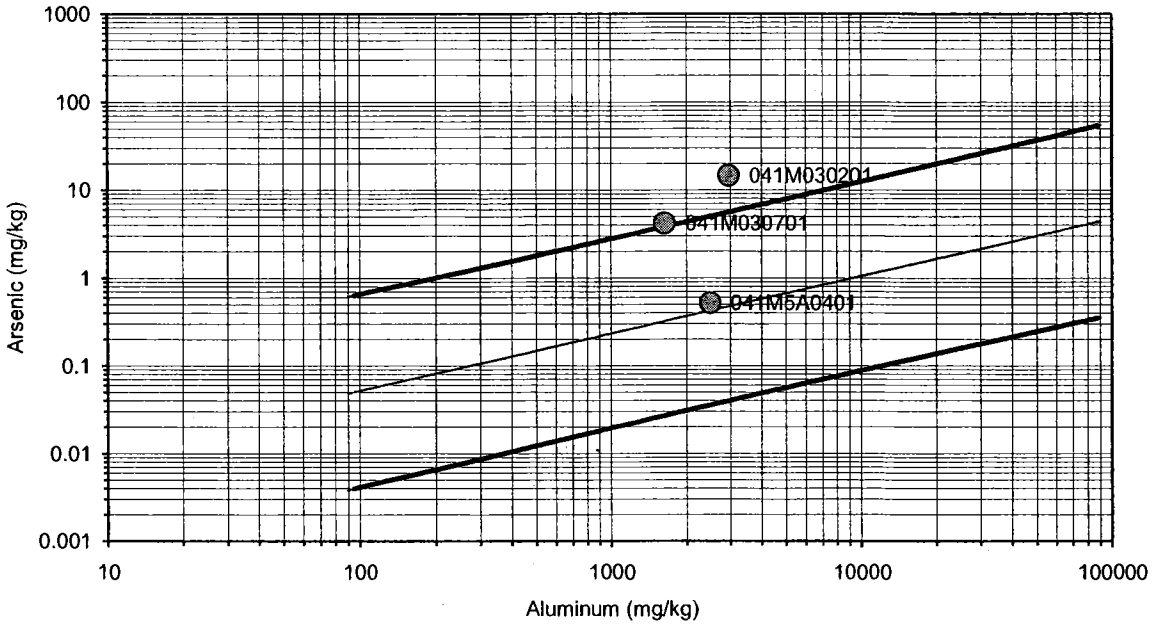


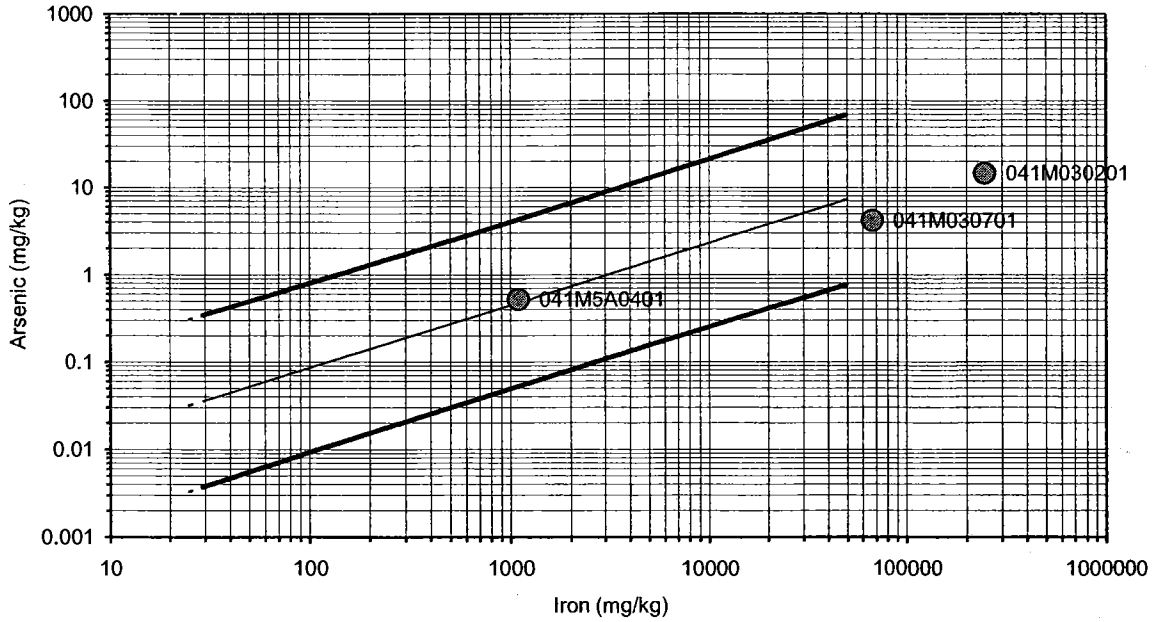


	Phase II Sediment Arsenic, Aluminum and Iron (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000301	2540	13200	1.6									
001M000302	809	15800	1.6									
001M001601	5120	4680	1.4									
001M001801	8120	15000	8.4									
033M001001	2660	1210	1.3									
033M002001	2340	1010	0.82									
033M004001	4150	1210	6.2									
041M010101	2230	484	2.5									
041M010201	27800	6150	0.44									
041M010301	1510	1770	0.4									
041M010401	4290	2930	2.5									
041M030101	3590	11400	1.8									
041M030201	7780	21200	12.8									
041M030301	1570	68000	35.5									
041M030401	426	3660	0.56									
041M030501	546	61100	3.5									
041M030601	788	18000	2.2									
041M030701	25600	386000	27.1									
041M060101	1650	1620	0.74									
041M060201	1410	1150	0.28									
041M060301	2360	1730	0.53									
041M060601	3990	3640	1.4									
041M060701	5980	4320	2.1									
041M060801	618	410	0.14									
041M060901	562	384	0.47									
041M061001	582	517	0.33									
041M061101	482	1200	0.3									
041M10A101	3490	2570	1.2									
041M10A201	8910	7420	3.6									
041M10A301	3350	1750	1.7									
041M120201	3070	484	0.24									
041M130101	1590	229	0.14									
041M170101	516	727	0.58									
041M170201	438	467	0.34									
041M170301	842	1190	0.27									
041M18A101	9540	805	2.9									
041M18A201	2720	48200	31.4									
041M18A301	1550	11400	2.9									
041M19A101	18900	16800	15.7									
041M19A201	494	545	0.17									
041M19B101	976	1840	0.83									
041M480101	1400	290	0.55									

	Phase II Sediment Arsenic, Aluminum and Iron (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M490201	3560	707	0.21									
041M52E301	3060	1680	0.31									
041M56A101	2560	1210	0.33									
041M570101	5520	3790	1.6									
041M580101	1360	548	0.27									
041M5A0101	18700	9830	2.5									
041M5A0201	3630	3120	2.5									
041M5A0301	13000	9210	2.6									
041M5A0401	8470	2120	1.2									
041M5A0501	11300	6440	3.2									
041M5A0701	1040	1440	0.78									
041M5B0201	10500	3290	1.3									
041M63B101	1960	1290	0.43									
041M63B201	374	616	0.24									
041M720101	2450	1510	0.86									
041M720201	736	397	0.28									

Phase III Data Freshwater Wetlands

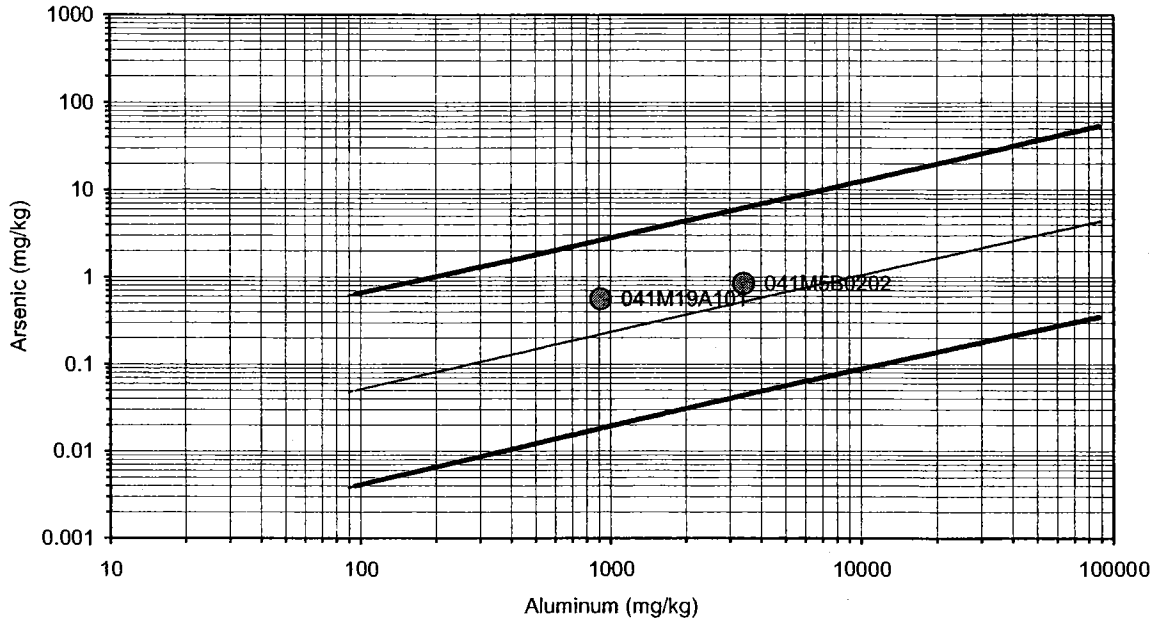


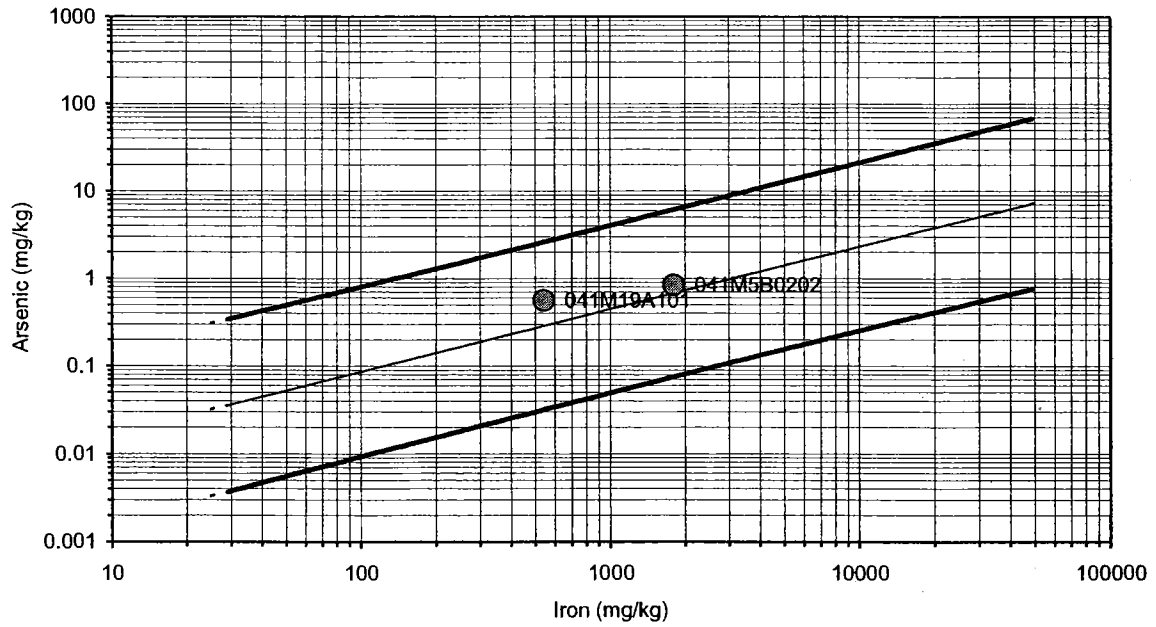


Phase III Freshwater Sediment Aluminum, Iron and Arsenic (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000	14.6									
041M030701	1630	67100	4.2									
041M5A0401	2480	1090	0.52									

2004 Data Freshwater Wetlands

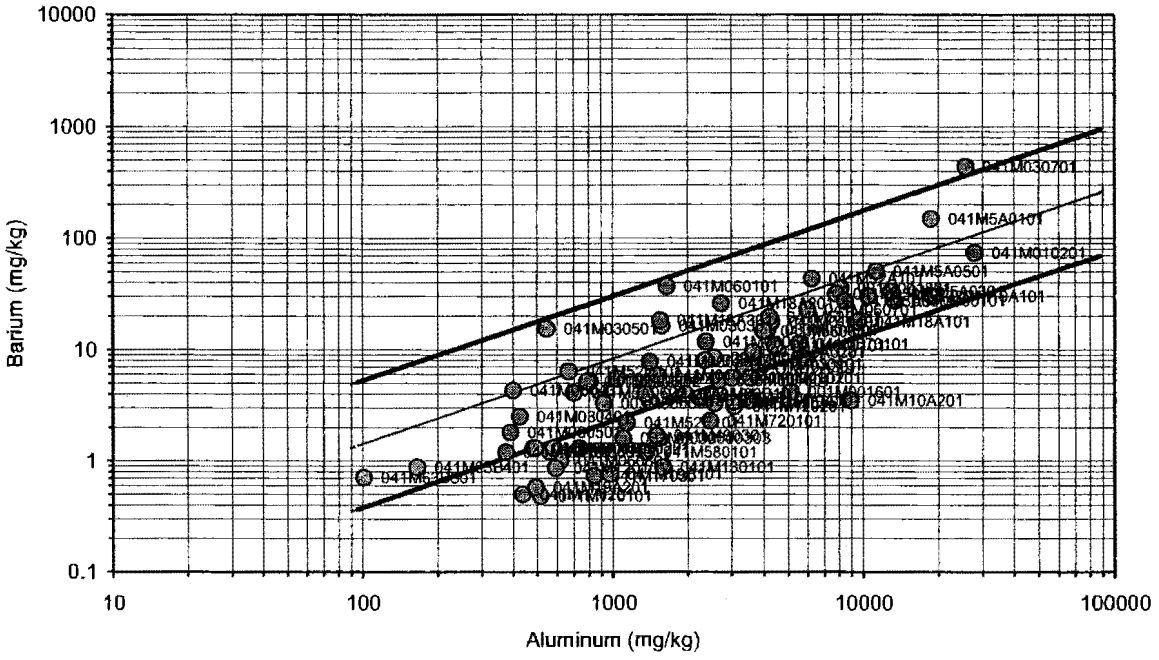


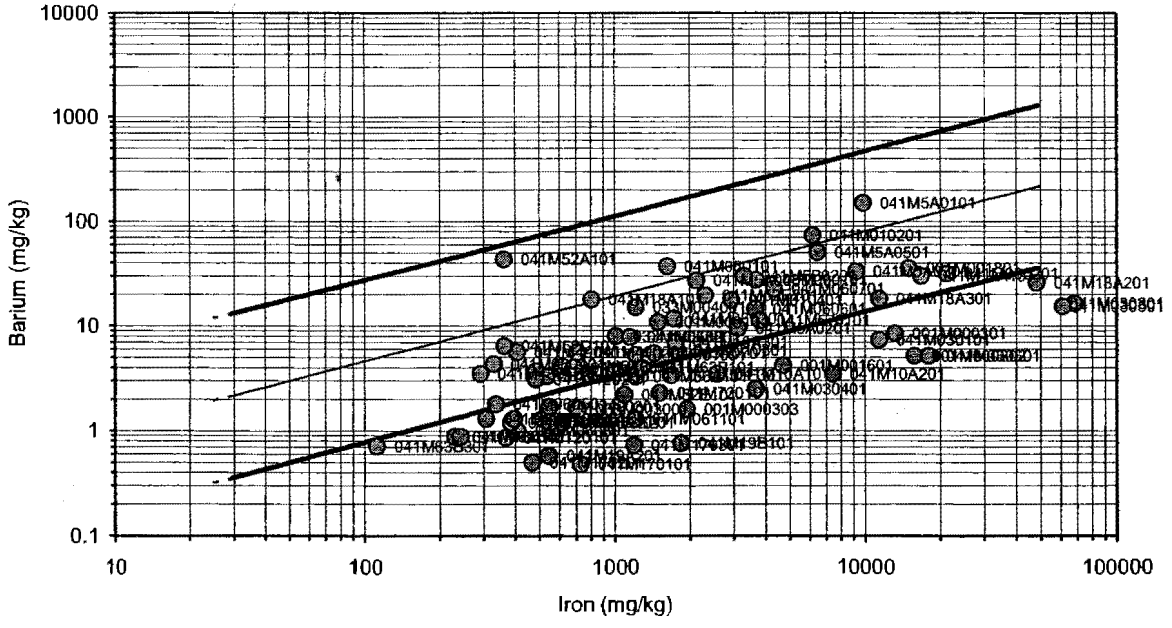


2004 Freshwater Sediment Aluminum, Iron and Arsenic (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540	0.56									
041M5B0202	3400	1800	0.84									

Phase II Data Freshwater Wetlands

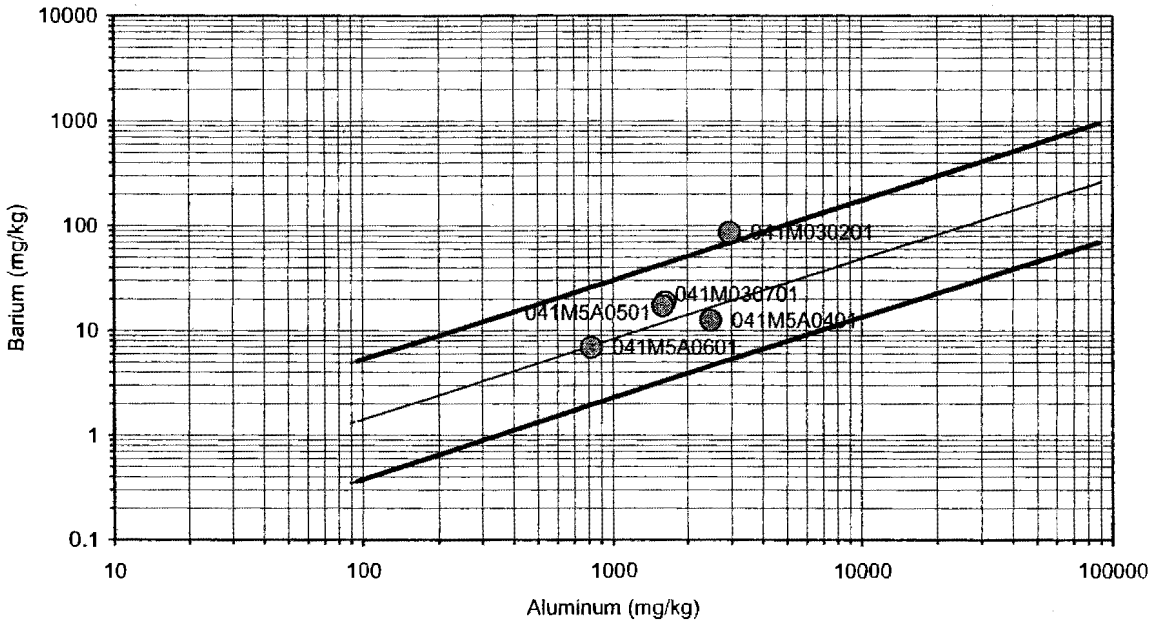


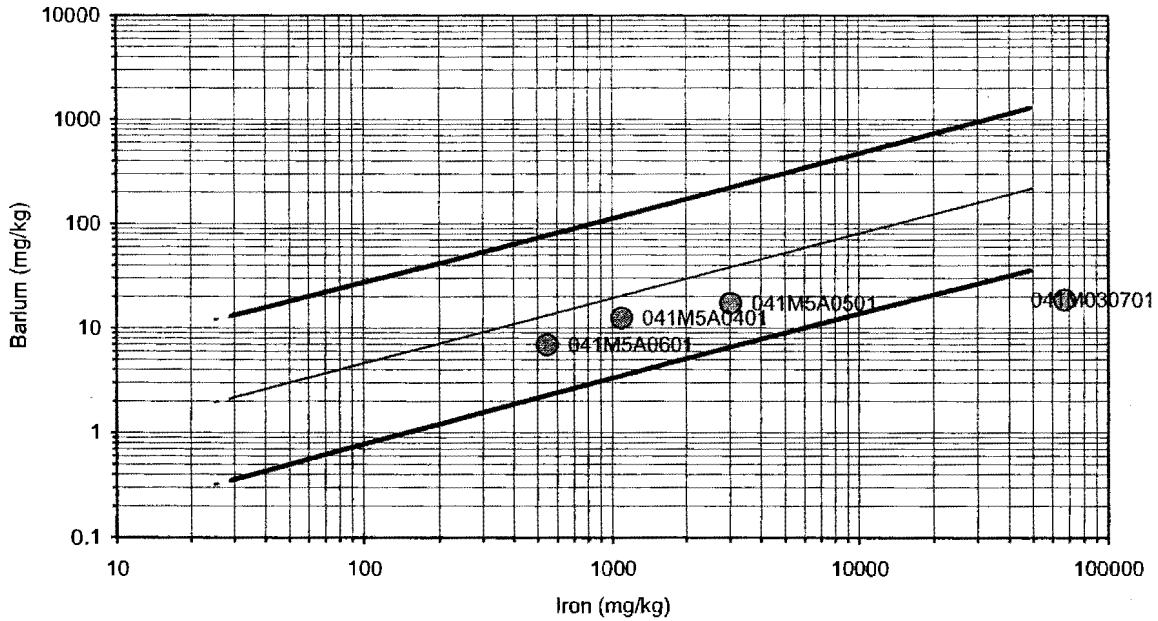


	Phase II Freshwater Sediment - Aluminum, Iron and Barium (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000101	4430	1490		10.9								
001M000301	2540	13200		8.5								
001M000302	809	15800		5.2								
001M000303	1530	1940		1.6								
001M001601	5120	4680		4.2								
001M001801	8120	15000		35.9								
003M000101	13400	3670		27.6								
003M000301	919	536		3.3								
033M001001	2660	1210		5.3								
033M002001	2340	1010		8								
033M003001	1100	710		1.6								
033M004001	4150	1210		15.1								
041M010101	2230	484		3.7								
041M010201	27800	6150		73.9								
041M010301	1510	1770		5.9								
041M010401	4290	2930		17.7								
041M030101	3590	11400		7.4								
041M030201	7780	21200		31.7								
041M030301	1570	68000		16.4								
041M030401	426	3660		2.5								
041M030501	546	61100		15.4								
041M030601	788	18000		5.2								
041M030701	25600	386000		438								
041M060101	1650	1620		37								
041M060201	1410	1150		7.8								
041M060301	2360	1730		11.8								
041M060401	400	328		4.3								
041M060501	390	335		1.8								
041M060601	3990	3640		14.6								
041M060701	5980	4320		22.8								
041M060801	618	410		1								
041M060901	562	384		1.2								
041M061001	582	517		1.3								
041M061101	482	1200		1.3								
041M10A101	3490	2570		3.5								
041M10A201	8910	7420		3.5								
041M10A301	3350	1750		7								
041M120101	593	367		0.86								
041M120201	3070	484		3.1								
041M130101	1590	229		0.88								
041M170101	516	727		0.48								

	Phase II Freshwater Sediment - Aluminum, Iron and Barium (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M170201	438	467		0.5								
041M170301	842	1190		0.73								
041M18A101	9540	805		17.9								
041M18A201	2720	48200		25.9								
041M18A301	1550	11400		18.3								
041M19A101	18900	16800		30.2								
041M19A201	494	545		0.58								
041M19B101	976	1840		0.76								
041M480101	1400	290		3.5								
041M490101	3000	407		5.6								
041M490201	3560	707		5.6								
041M490301	1500	548		1.7								
041M52A101	6230	361		43.3								
041M52D101	667	362		6.4								
041M52E101	1140	1090		2.2								
041M52E201	4210	2300		19.6								
041M52E301	3060	1680		3.4								
041M56A101	2560	1210		3.3								
041M570101	5520	3790		11.3								
041M580101	1360	548		1.2								
041M5A0101	18700	9830		150								
041M5A0201	3630	3120		9.5								
041M5A0301	13000	9210		33.4								
041M5A0401	8470	2120		27.2								
041M5A0501	11300	6440		50.8								
041M5A0601	699	616		4.1								
041M5A0701	1040	1440		5.5								
041M5B0101	491	306		1.3								
041M5B0201	10500	3290		30.2								
041M63B101	1960	1290		4								
041M63B201	374	616		1.2								
041M63B301	101	112		0.71								
041M63B401	165	241		0.88								
041M720101	2450	1510		2.3								
041M720201	736	397		1.3								
041M750101	1350	681		4								

Phase III Data Freshwater Wetlands

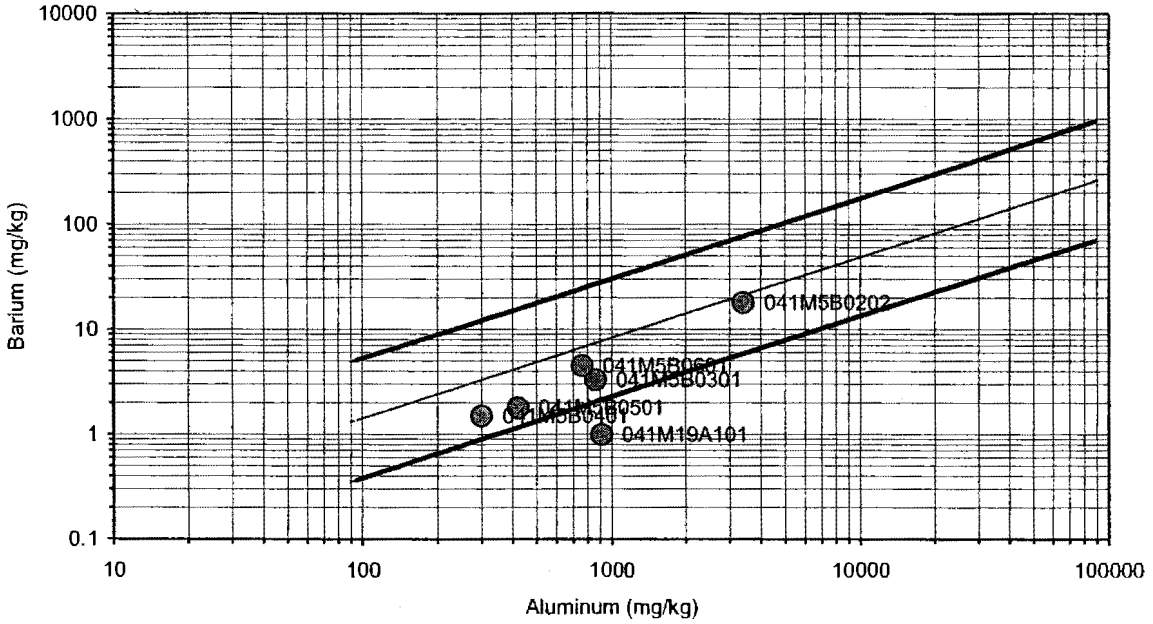


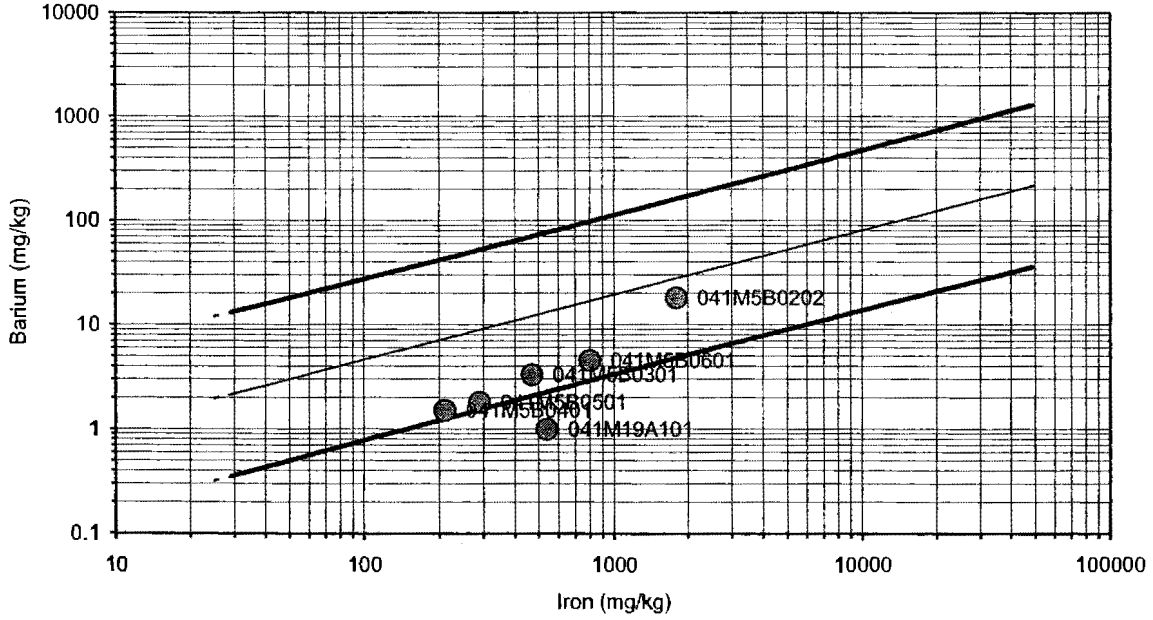


Phase III Freshwater Sediment - Aluminum, Iron and Barium (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000	14.6	87		12.1		20.6	0.1			45.8
041M030701	1630	67100	4.2	18.7	9.3	19	4	35.6	0.06	3.1	0.42	234
041M5A0401	2480	1090	0.52	12.5	0.42	4.1	21.5	54.5	0.13	2.5		77.1
041M5A0501	1590	3020		17.2	3.2	50.1	108	258	0.09	7.5	0.15	394
041M5A0601	821	546		6.9	1.2	24.4	25.6	75.5	0.06	1.8		103

2004 Data Freshwater Wetlands

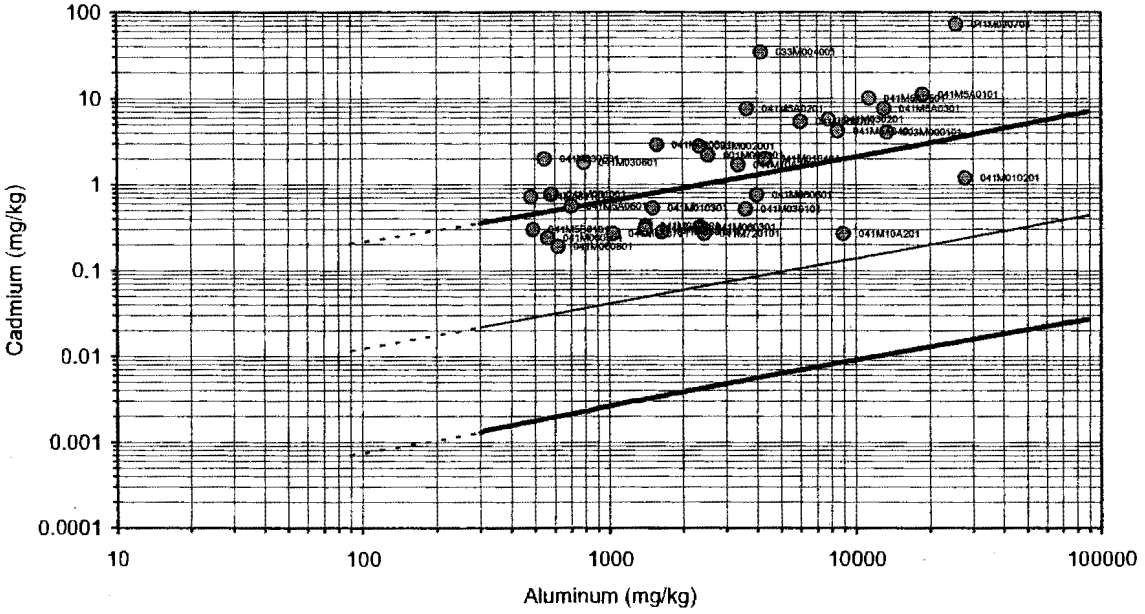


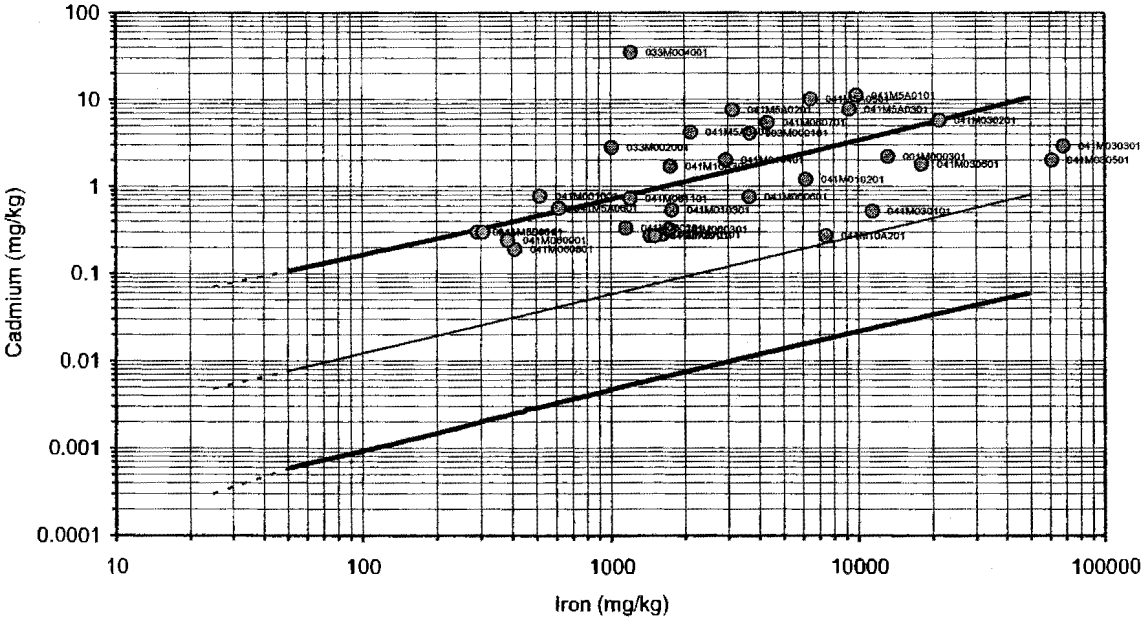


2004 Freshwater Sediment - Aluminum, Iron and Barium (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540	0.56	0.99		0.95	0.47	1.5		0.26		1.3
041M5B0202	3400	1800	0.84	18	31	470	90	420	0.22	20	6.4	200
041M5B0301	860	470		3.3	1	24	12	38	0.08	1.2		45
041M5B0401	300	210		1.5	0.95	14	5.3	19		0.61		28
041M5B0501	420	290		1.8	1.1	23	7.8	24	0.01	0.97		19
041M5B0601	760	800		4.5	5.1	55	16	48	0.12	3	0.38	60

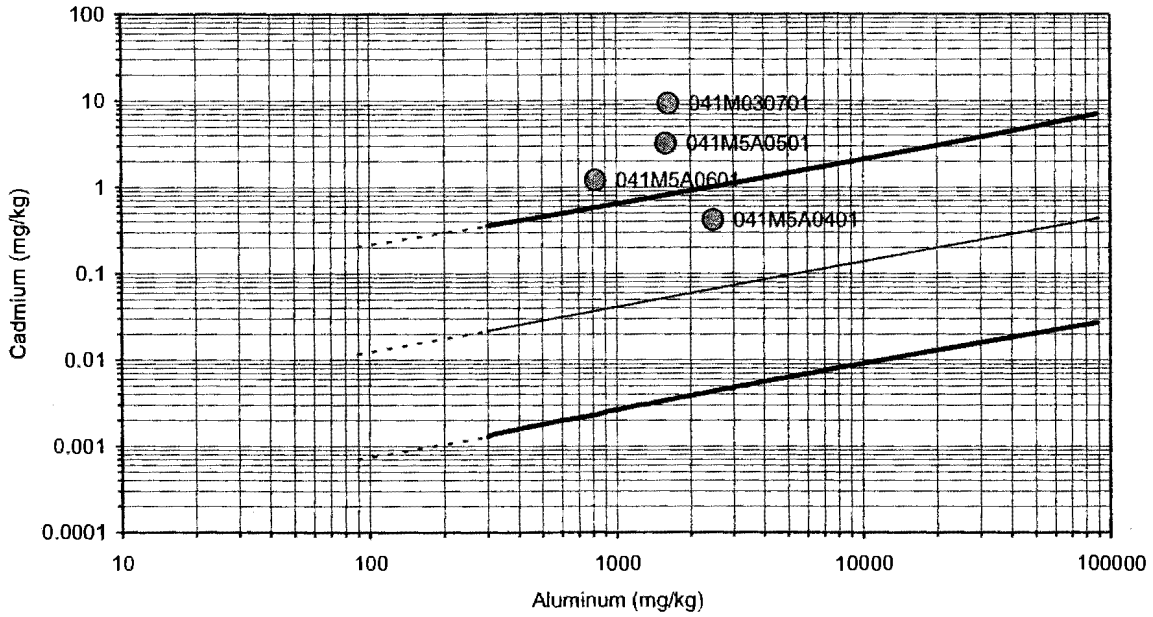
Phase II Data Freshwater Wetlands

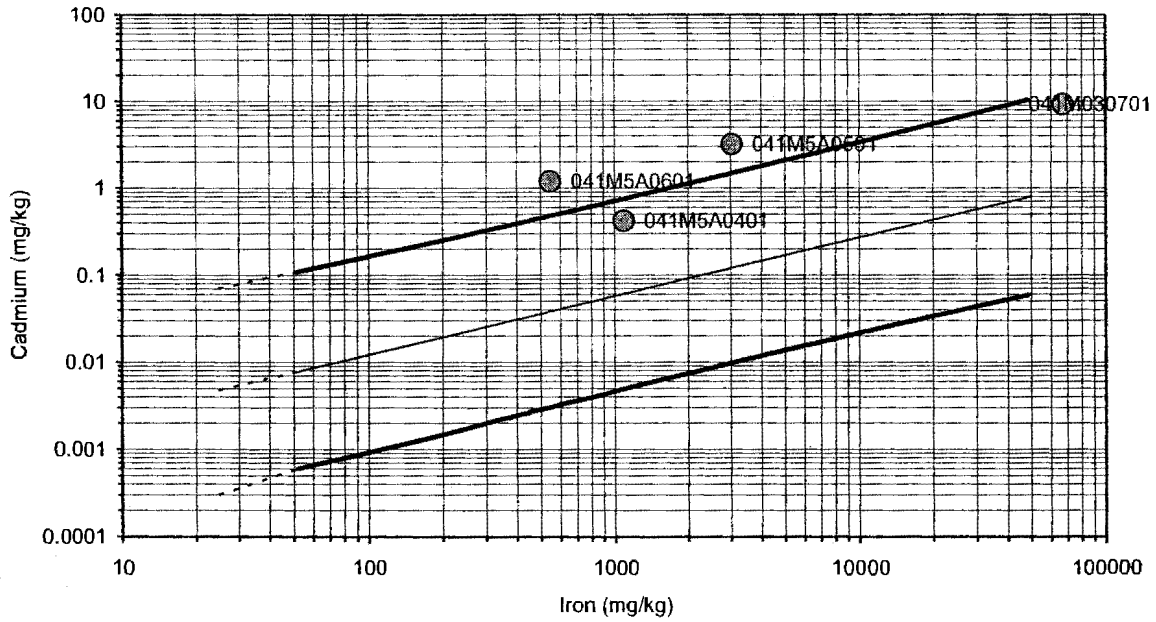




	Phase II Freshwater Sediment - Aluminum, Iron and Cadmium (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000301	2540	13200			2.2							
003M000101	13400	3670			4.1							
033M002001	2340	1010			2.8							
033M004001	4150	1210			34.6							
041M010201	27800	6150			1.2							
041M010301	1510	1770			0.53							
041M010401	4290	2930			2							
041M030101	3590	11400			0.52							
041M030201	7780	21200			5.8							
041M030301	1570	68000			2.9							
041M030501	546	61100			2							
041M030601	788	18000			1.8							
041M030701	25600	386000			72.7							
041M060101	1650	1620			0.28							
041M060201	1410	1150			0.33							
041M060301	2360	1730			0.32							
041M060601	3990	3640			0.76							
041M060701	5980	4320			5.4							
041M060801	618	410			0.19							
041M060901	562	384			0.24							
041M061001	582	517			0.77							
041M061101	482	1200			0.72							
041M10A201	8910	7420			0.27							
041M10A301	3350	1750			1.7							
041M480101	1400	290			0.3							
041M5A0101	18700	9830			11.2							
041M5A0201	3630	3120			7.6							
041M5A0301	13000	9210			7.7							
041M5A0401	8470	2120			4.2							
041M5A0501	11300	6440			10.1							
041M5A0601	699	616			0.56							
041M5A0701	1040	1440			0.27							
041M5B0101	491	306			0.3							
041M5B0201	10500	3290			220							
041M720101	2450	1510			0.27							

Phase III Data Freshwater Wetlands





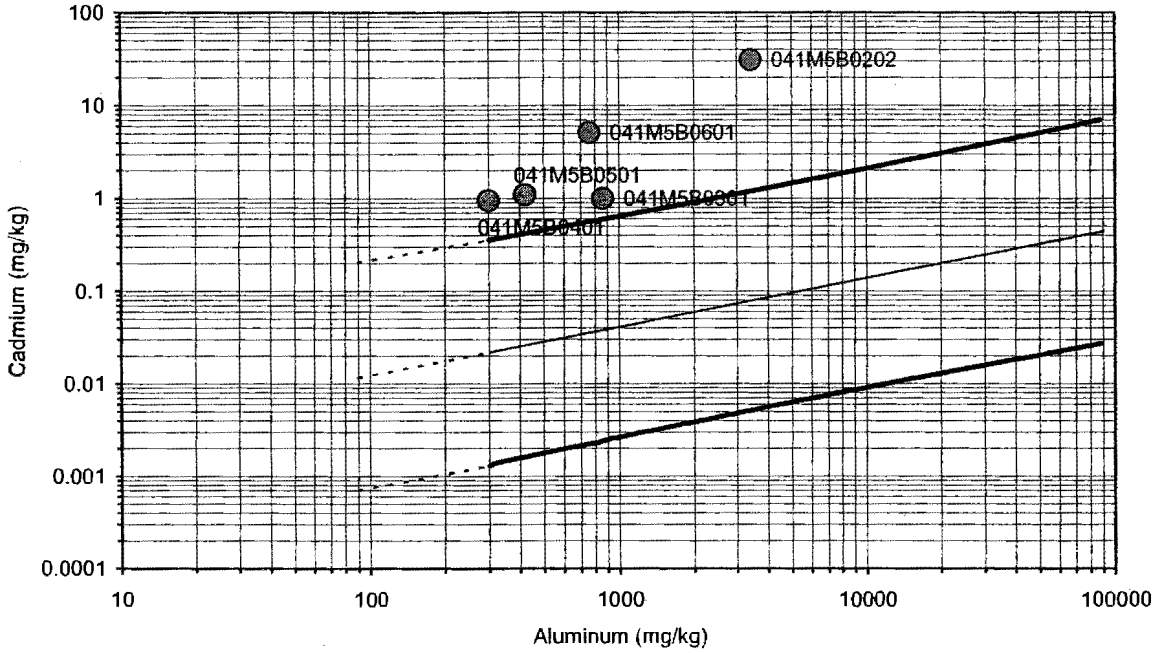
Phase III Freshwater Sediment - Aluminum, Iron and Cadmium (mg/kg)

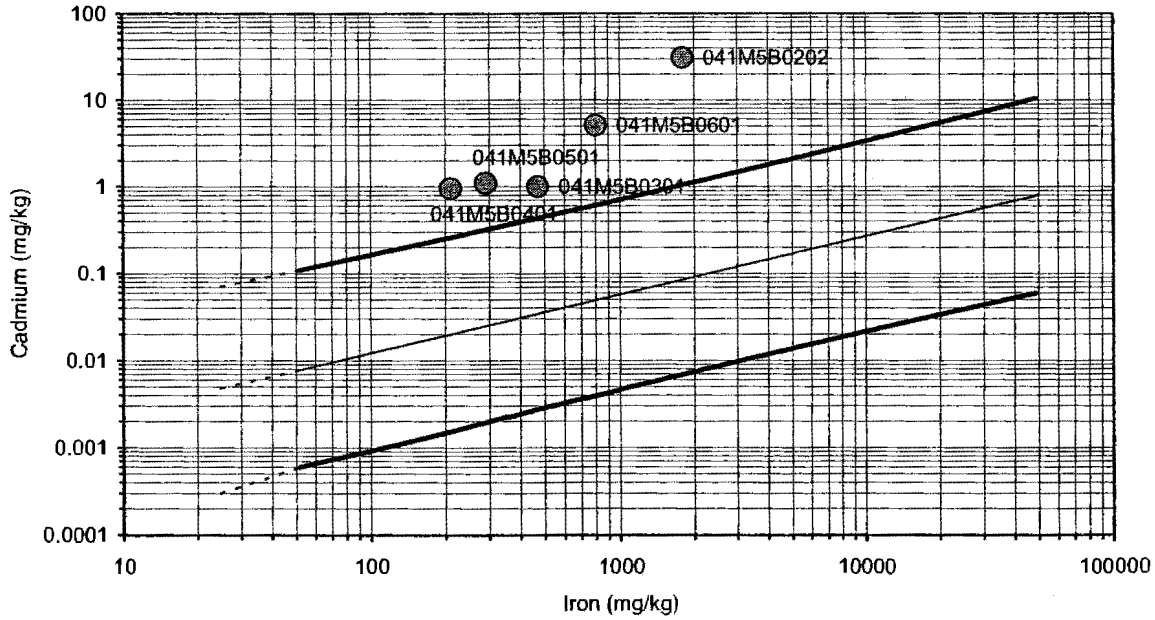
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030701	1630	67100			9.3							
041M5A0401	2480	1090			0.42							
041M5A0501	1590	3020			3.2							
041M5A0601	821	546			1.2							

2004 Freshwater Sediment - Aluminum, Iron and Cadmium (mg/kg)

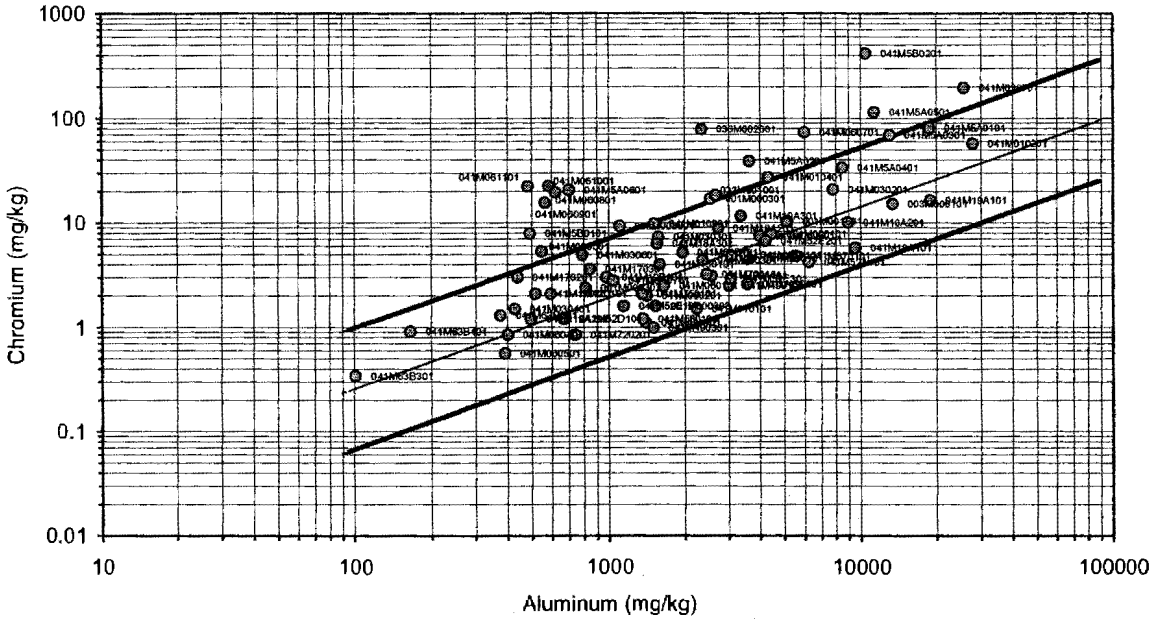
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M5B0202	3400	1800			31							
041M5B0301	860	470			1							
041M5B0401	300	210			0.95							
041M5B0501	420	290			1.1							
041M5B0601	760	800			5.1							

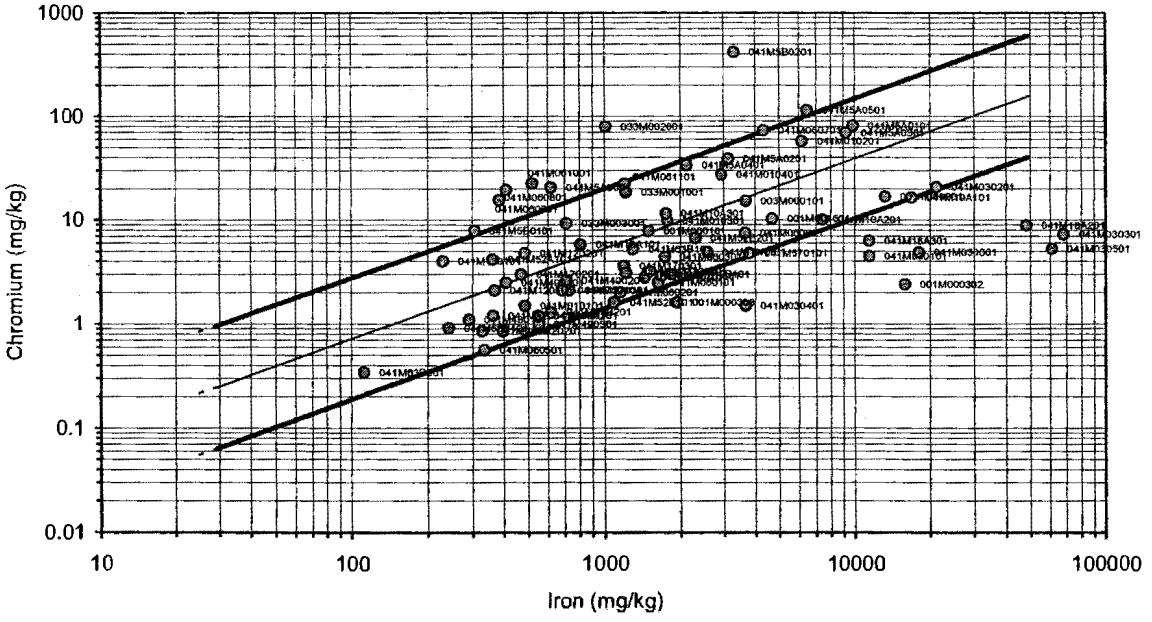
2004 Data Freshwater Data





Phase II Data Freshwater Wetlands

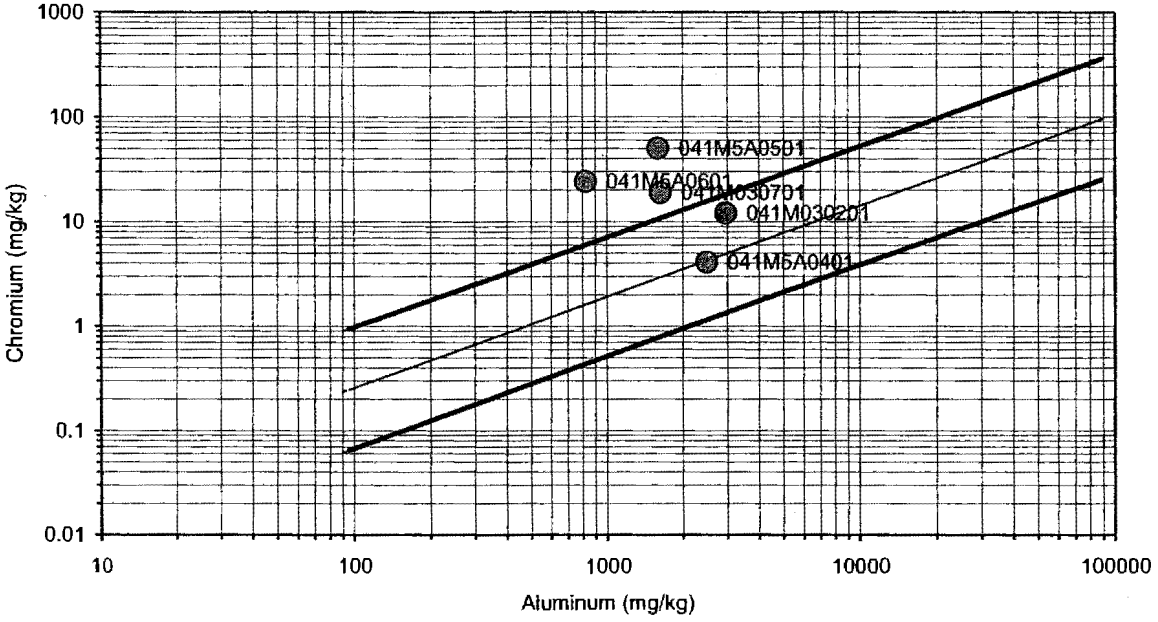


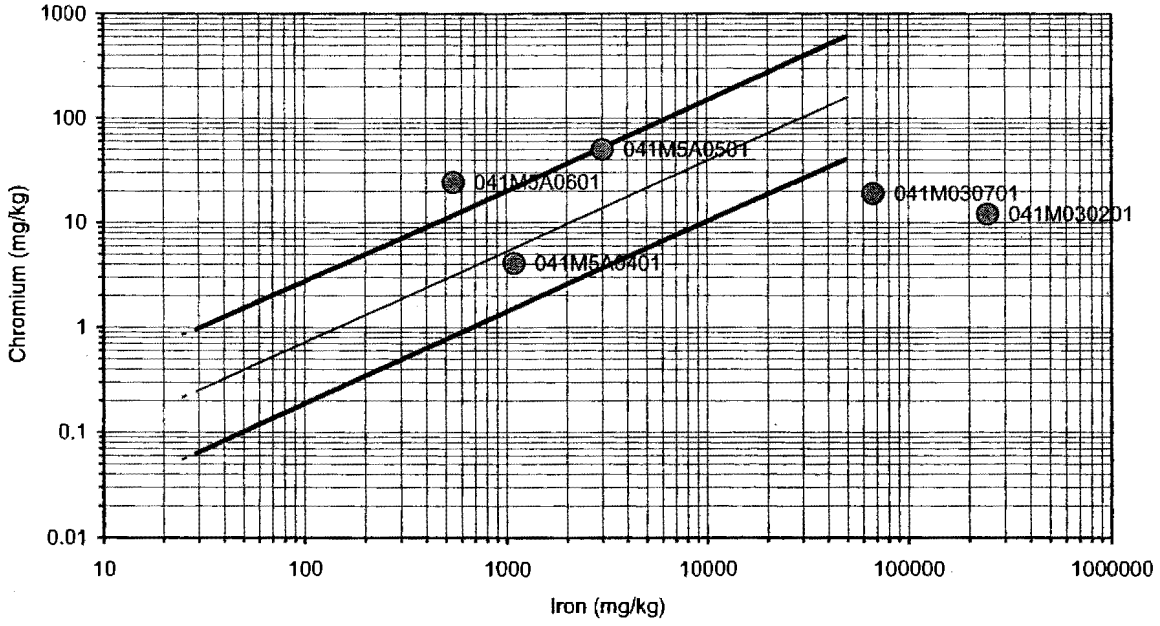


	Phase II Freshwater Sediment - Aluminum, Iron and Chromium (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000101	4430	1490				7.8						
001M000301	2540	13200				16.9						
001M000302	809	15800				2.4						
001M000303	1530	1940				1.6						
001M001601	5120	4680				10.3						
003M000101	13400	3670				15.2						
033M001001	2660	1210				18.5						
033M002001	2340	1010				79						
033M003001	1100	710				9.3						
033M004001	4150	1210				1180						
041M010101	2230	484				1.5						
041M010201	27800	6150				57.7						
041M010301	1510	1770				9.8						
041M010401	4290	2930				27.3						
041M030101	3590	11400				4.5						
041M030201	7780	21200				20.8						
041M030301	1570	68000				7.3						
041M030401	426	3660				1.5						
041M030501	546	61100				5.3						
041M030601	788	18000				4.9						
041M030701	25600	386000				196						
041M060101	1650	1620				2.5						
041M060201	1410	1150				2						
041M060301	2360	1730				4.4						
041M060401	400	328				0.85						
041M060501	390	335				0.56						
041M060601	3990	3640				7.5						
041M060701	5980	4320				73.5						
041M060801	618	410				19.6						
041M060901	562	384				15.6						
041M061001	582	517				22.6						
041M061101	482	1200				22.4						
041M10A101	3490	2570				4.9						
041M10A201	8910	7420				10.1						
041M10A301	3350	1750				11.6						
041M120101	593	367				2.1						
041M120201	3070	484				4.8						
041M130101	1590	229				4						
041M170101	516	727				2.1						
041M170201	438	467				3						
041M170301	842	1190				3.6						

	Phase II Freshwater Sediment - Aluminum, Iron and Chromium (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M18A101	9540	805				5.8						
041M18A201	2720	48200				8.9						
041M18A301	1550	11400				6.3						
041M19A101	18900	16800				16.5						
041M19A201	494	545				1.2						
041M19B101	976	1840				3						
041M480101	1400	290				1.1						
041M490101	3000	407				2.5						
041M490201	3560	707				2.6						
041M490301	1500	548				0.99						
041M52A101	6230	361				4.2						
041M52D101	667	362				1.2						
041M52E101	1140	1090				1.6						
041M52E201	4210	2300				6.7						
041M52E301	3060	1680				2.9						
041M56A101	2560	1210				3.1						
041M570101	5520	3790				4.8						
041M580101	1360	548				1.2						
041M5A0101	18700	9830				81.1						
041M5A0201	3630	3120				38.9						
041M5A0301	13000	9210				69.3						
041M5A0401	8470	2120				33.7						
041M5A0501	11300	6440				115						
041M5A0601	699	616				20.6						
041M5A0701	1040	1440				2.8						
041M5B0101	491	306				7.9						
041M5B0201	10500	3290				416						
041M63B101	1960	1290				5.2						
041M63B201	374	616				1.3						
041M63B301	101	112				0.34						
041M63B401	165	241				0.91						
041M720101	2450	1510				3.2						
041M720201	736	397				0.85						
041M750101	1350	681				2.1						

Phase III Data Freshwater Wetlands

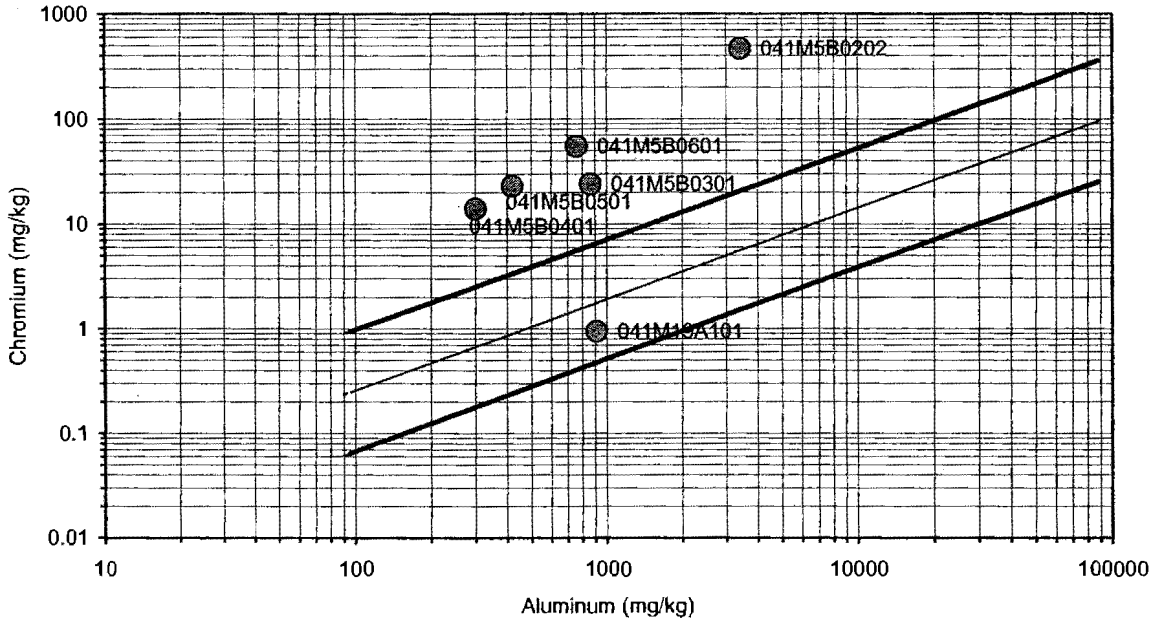


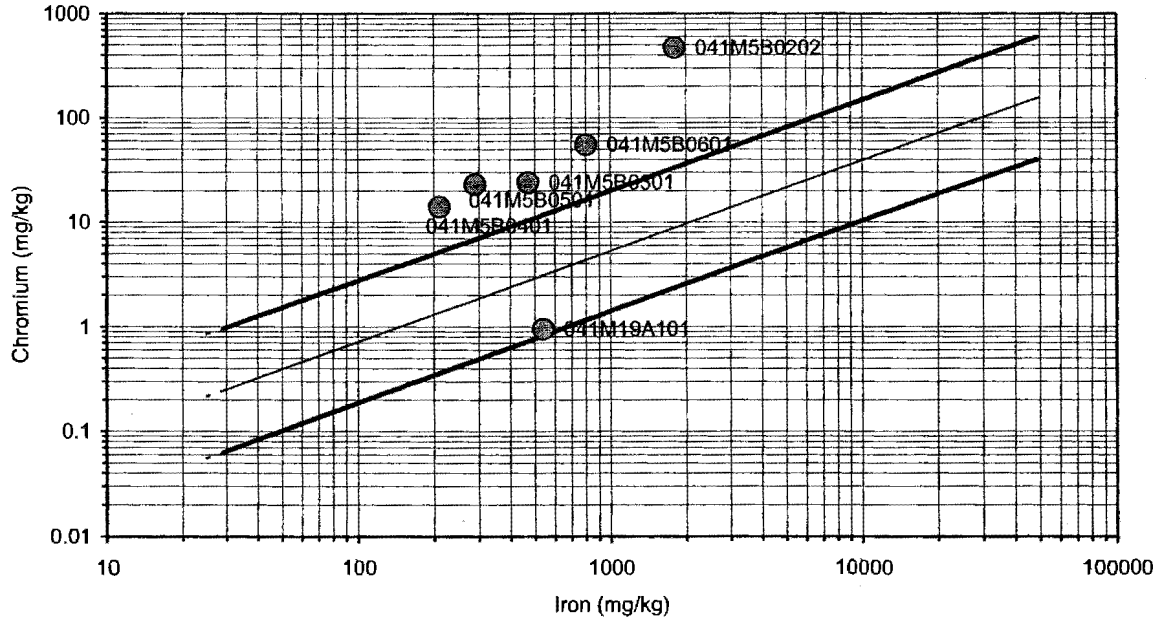


Phase III Freshwater Sediment - Aluminum, Iron and Chromium (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000				12.1						
041M030701	1630	67100				19						
041M5A0401	2480	1090				4.1						
041M5A0501	1590	3020				50.1						
041M5A0601	821	546				24.4						

2004 Data Freshwater Wetlands

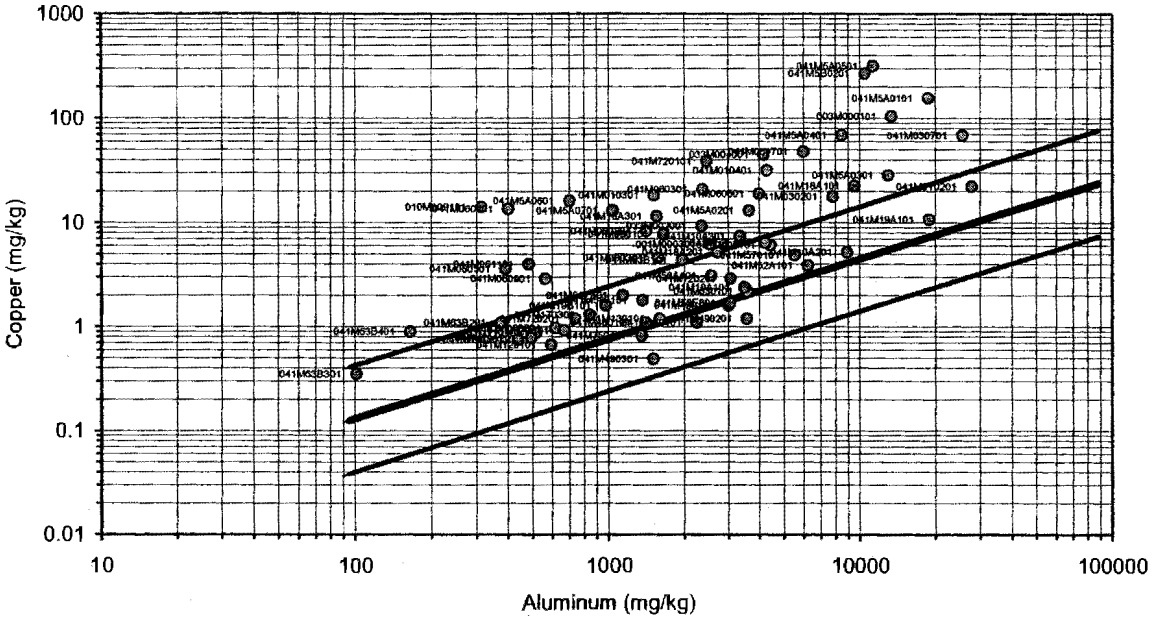


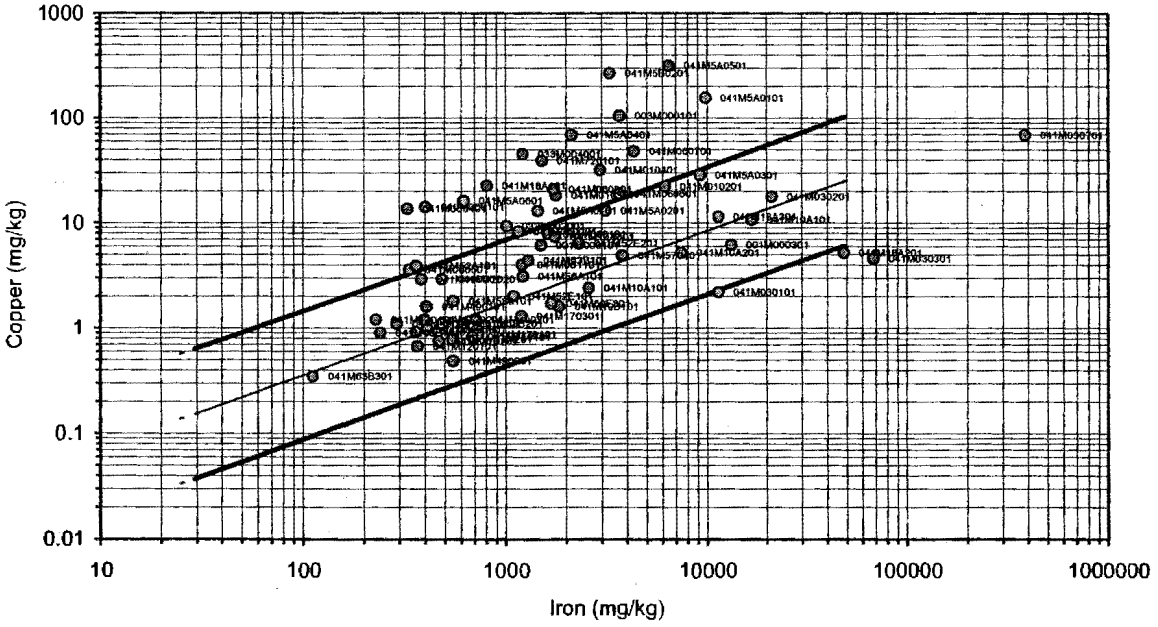


2004 Freshwater Sediment - Aluminum, Iron and Chromium (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540				0.95						
041M5B0202	3400	1800				470						
041M5B0301	860	470				24						
041M5B0401	300	210				14						
041M5B0501	420	290				23						
041M5B0601	760	800				55						

Phase II Data Freshwater Wetlands

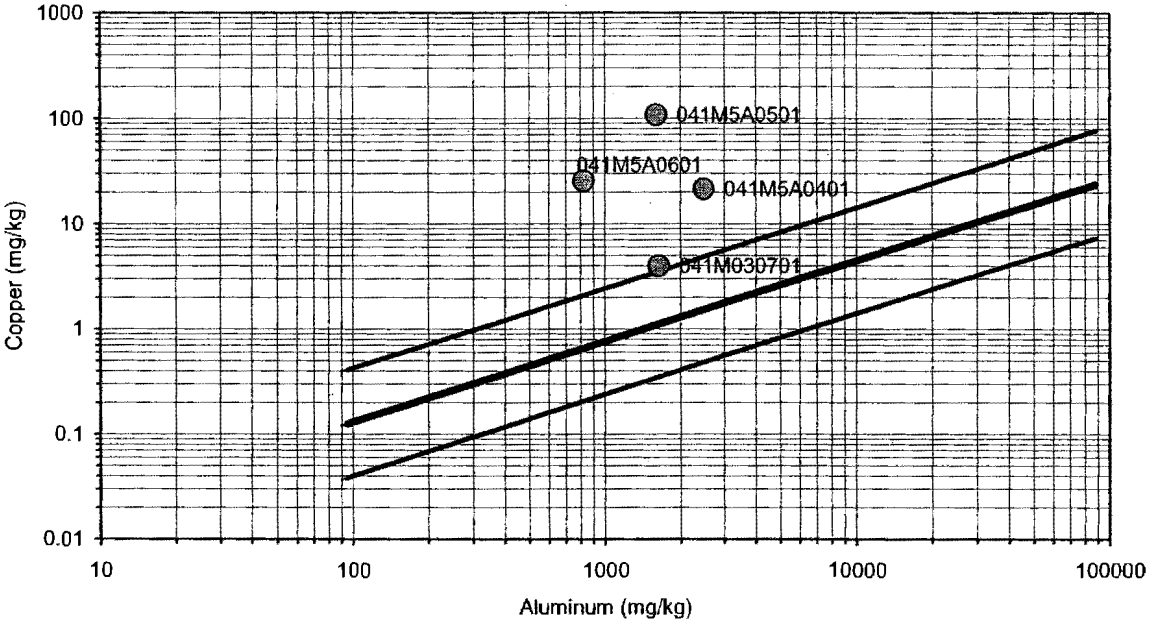


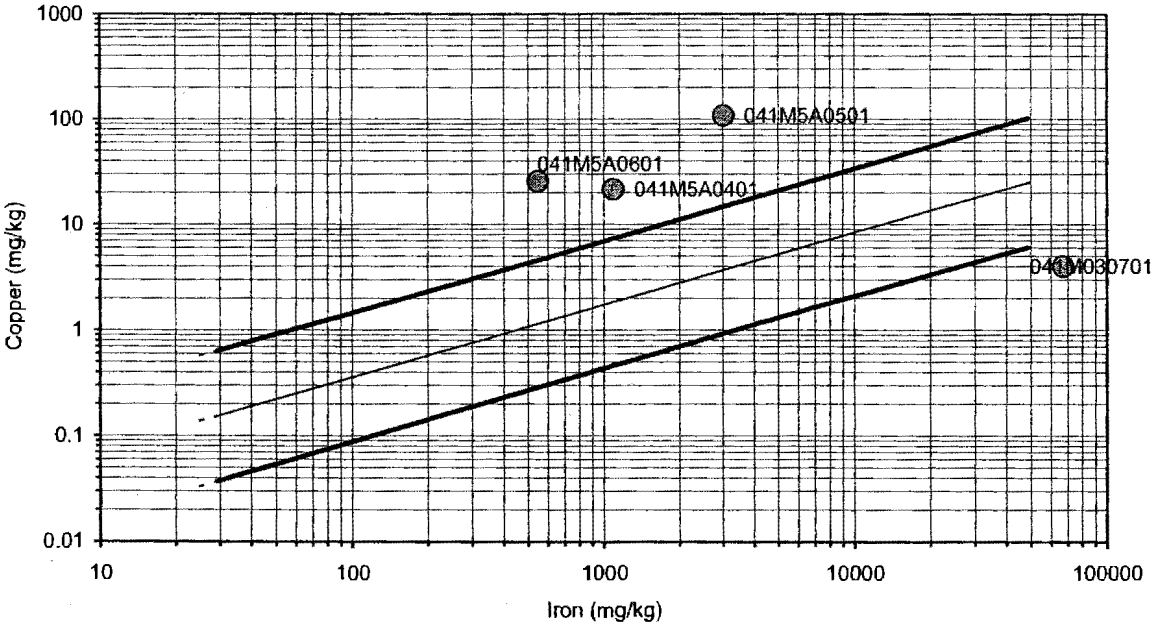


	Phase II Freshwater Sediment - Aluminum, Iron and Copper (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000101	4430	1490					6.1					
001M000301	2540	13200					6.2					
003M000101	13400	3670					105					
010M000101	313	402					14.2					
033M002001	2340	1010					9.3					
033M004001	4150	1210					45.1					
041M010101	2230	484					1.1					
041M010201	27800	6150					22.3					
041M010301	1510	1770					18.3					
041M010401	4290	2930					31.8					
041M030101	3590	11400					2.2					
041M030201	7780	21200					17.8					
041M030301	1570	68000					4.6					
041M030701	25600	386000					68.8					
041M060101	1650	1620					7.8					
041M060201	1410	1150					8.3					
041M060301	2360	1730					20.9					
041M060401	400	328					13.6					
041M060501	390	335					3.6					
041M060601	3990	3640					19					
041M060701	5980	4320					48.2					
041M060801	618	410					0.97					
041M060901	562	384					2.9					
041M061101	482	1200					4					
041M10A101	3490	2570					2.4					
041M10A201	8910	7420					5.2					
041M10A301	3350	1750					7.4					
041M120101	593	367					0.67					
041M120201	3070	484					2.9					
041M130101	1590	229					1.2					
041M170101	516	727					0.87					
041M170201	438	467					0.75					
041M170301	842	1190					1.3					
041M18A101	9540	805					22.6					
041M18A201	2720	48200					5.2					
041M18A301	1550	11400					11.5					
041M19A101	18900	16800					10.7					
041M19A201	494	545					0.78					
041M19B101	976	1840					1.6					
041M480101	1400	290					1.1					
041M490101	3000	407					1.6					

	Phase II Freshwater Sediment - Aluminum, Iron and Copper (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M490201	3560	707					1.2					
041M490301	1500	548					0.49					
041M52A101	6230	361					3.9					
041M52D101	667	362					0.92					
041M52E101	1140	1090					2					
041M52E201	4210	2300					6.4					
041M52E301	3060	1680					1.7					
041M56A101	2560	1210					3.1					
041M570101	5520	3790					4.9					
041M580101	1360	548					1.8					
041M5A0101	18700	9830					156					
041M5A0201	3630	3120					13.1					
041M5A0301	13000	9210					28.5					
041M5A0401	8470	2120					68.9					
041M5A0501	11300	6440					317					
041M5A0601	699	616					16.2					
041M5A0701	1040	1440					13.1					
041M5B0201	10500	3290					268					
041M63B101	1960	1290					4.4					
041M63B201	374	616					1.1					
041M63B301	101	112					0.35					
041M63B401	165	241					0.9					
041M720101	2450	1510					38.9					
041M720201	736	397					1.2					
041M750101	1350	681					0.82					

Phase III Data Freshwater Wetlands

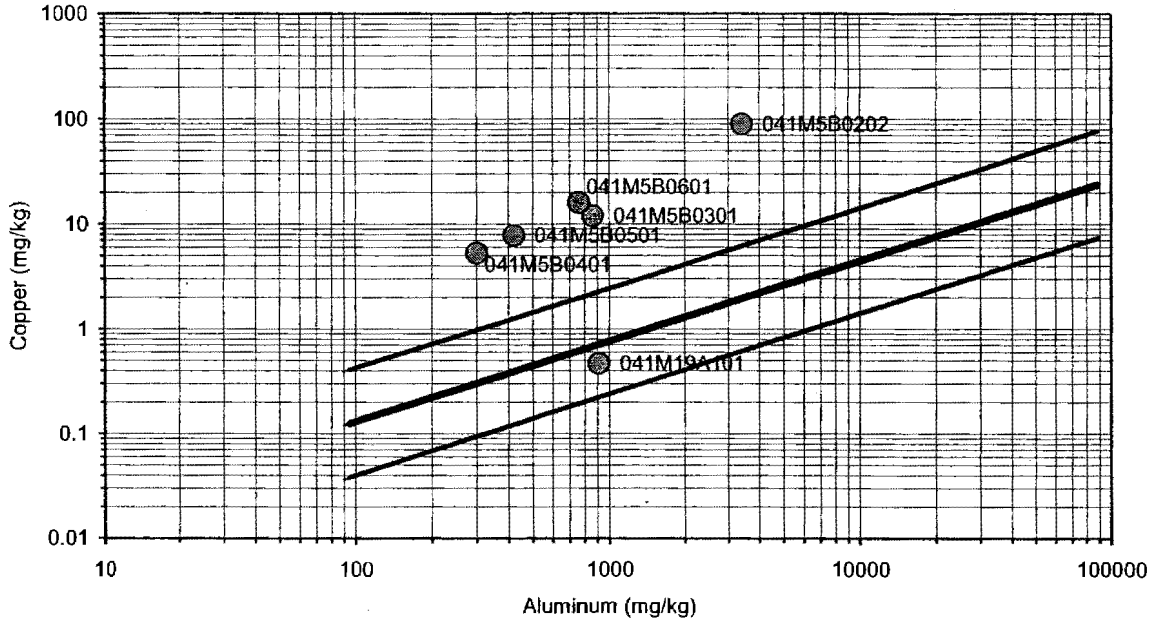


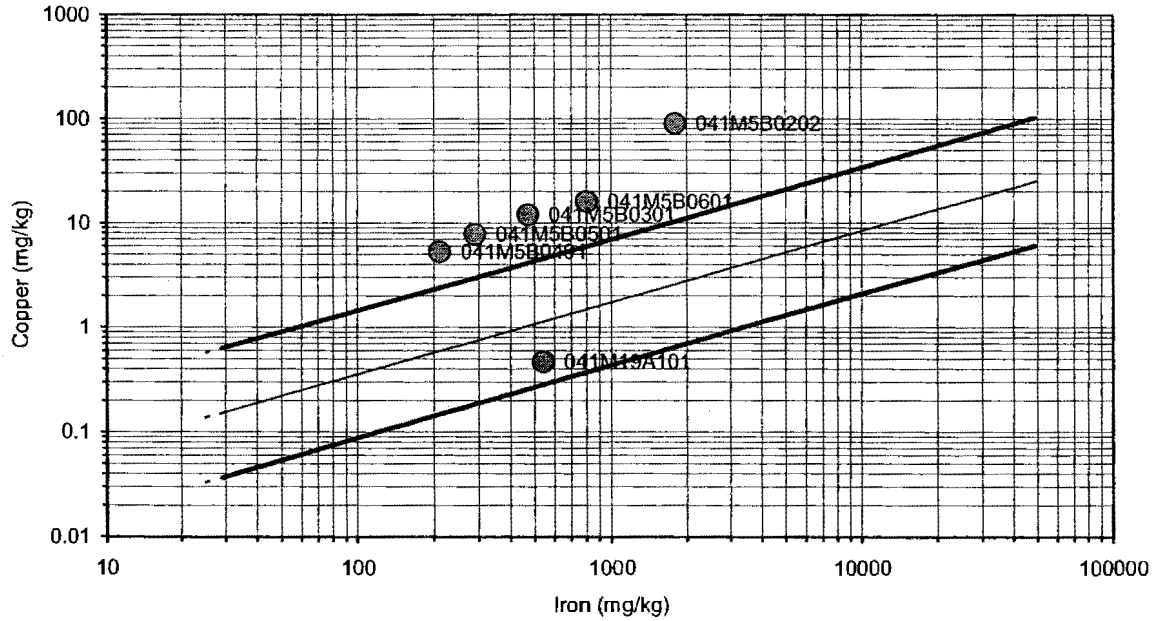


Phase III Freshwater Sediment - Aluminum, Iron and Copper (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030701	1630	67100					4					
041M5A0401	2480	1090					21.5					
041M5A0501	1590	3020					108					
041M5A0601	821	546					25.6					

2004 Data Freshwater Wetlands

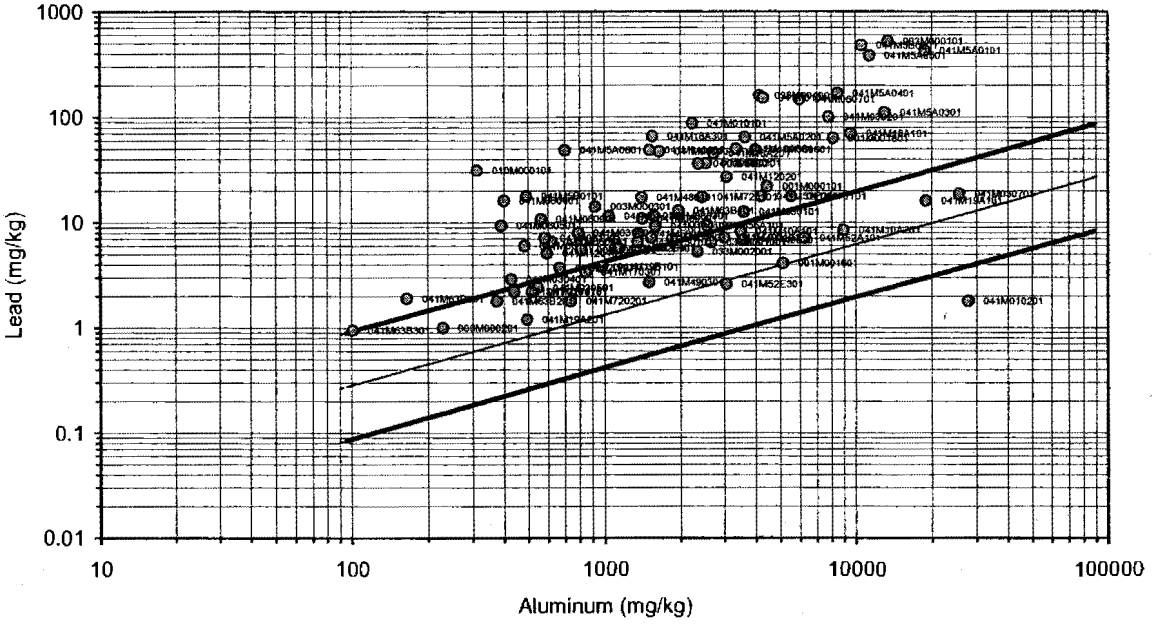


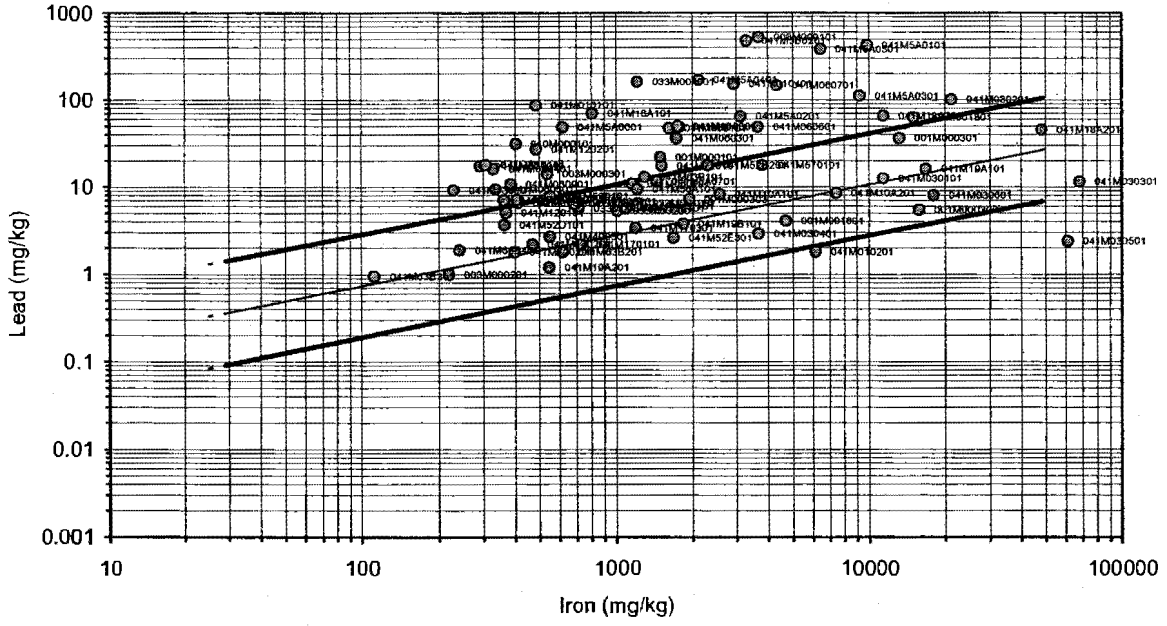


2004 Freshwater Sediment - Aluminum, Iron and Copper (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540					0.47					
041M5B0202	3400	1800					90					
041M5B0301	860	470					12					
041M5B0401	300	210					5.3					
041M5B0501	420	290					7.8					
041M5B0601	760	800					16					

Phase II Data Freshwater Wetlands

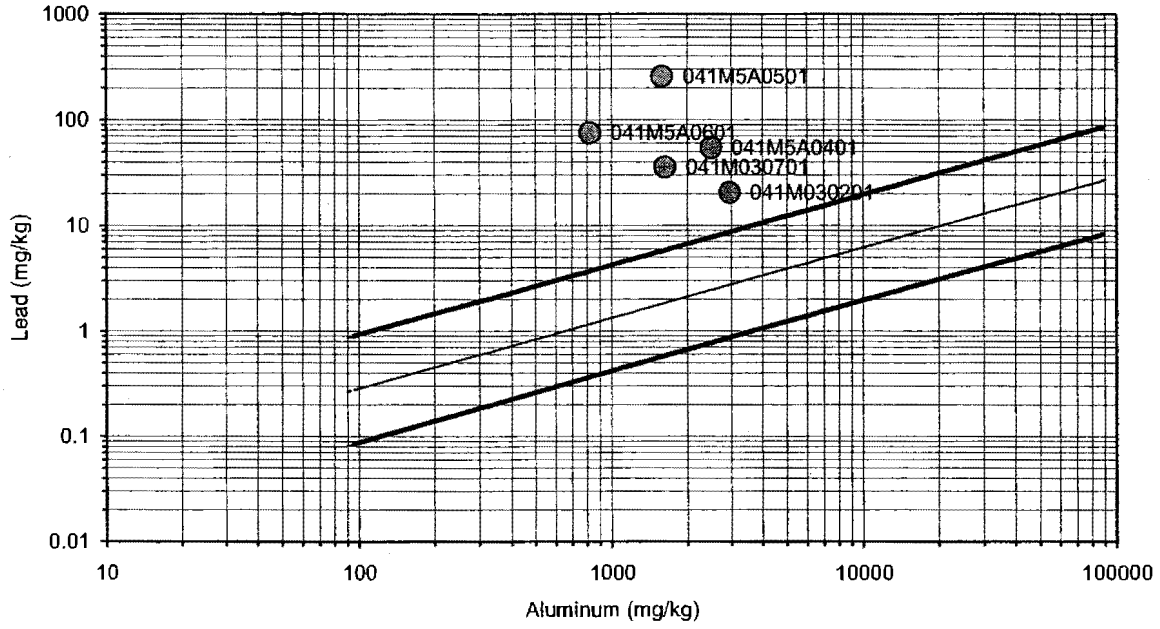


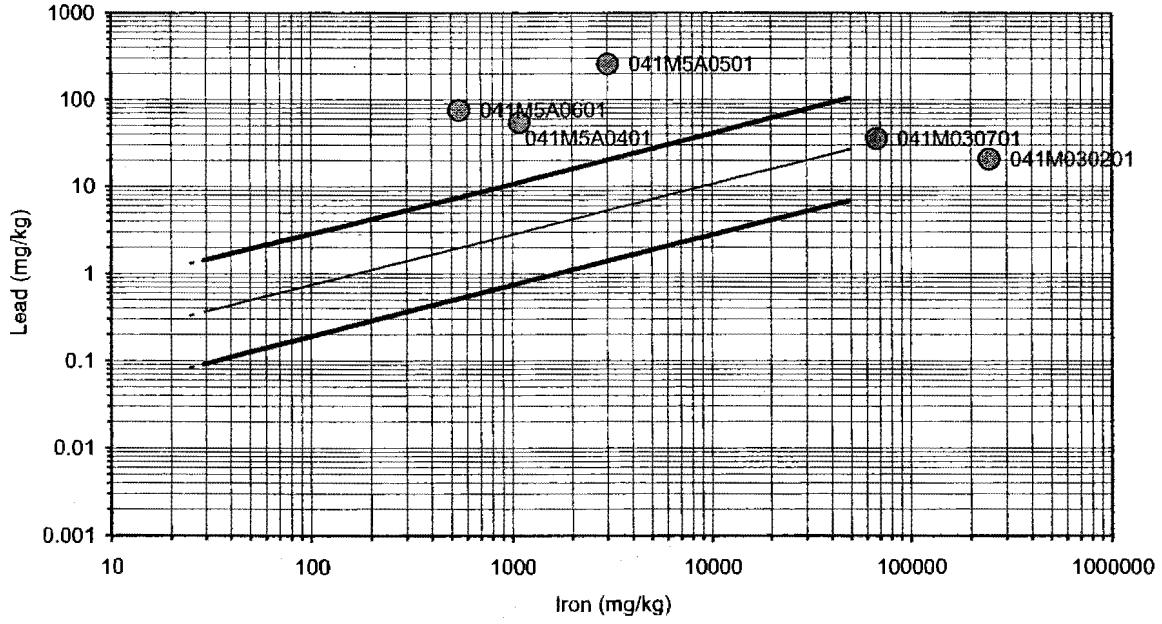


	Phase II Freshwater Sediment - Aluminum, Iron and Lead (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000101	4430	1490						22				
001M000301	2540	13200						36.3				
001M000302	809	15800						5.5				
001M000303	1530	1940						7.2				
001M001601	5120	4680						4.1				
001M001801	8120	15000						63.3				
003M000101	13400	3670						525				
003M000201	228	219						1				
003M000301	919	536						14.1				
010M000101	313	402						31.4				
033M001001	2660	1210						6.5				
033M002001	2340	1010						5.3				
033M003001	1100	710						5.7				
033M004001	4150	1210						161				
041M010101	2230	484						87.3				
041M010201	27800	6150						1.8				
041M010301	1510	1770						48.8				
041M010401	4290	2930						153				
041M030101	3590	11400						12.6				
041M030201	7780	21200						101				
041M030301	1570	68000						11.5				
041M030401	426	3660						2.9				
041M030501	546	61100						2.4				
041M030601	788	18000						8				
041M030701	25600	386000						18.7				
041M060101	1650	1620						47.4				
041M060201	1410	1150						10.9				
041M060301	2360	1730						36.1				
041M060401	400	328						16.2				
041M060501	390	335						9.4				
041M060601	3990	3640						49.1				
041M060701	5980	4320						147				
041M060801	618	410						6.6				
041M060901	562	384						10.8				
041M061001	582	517						7.1				
041M061101	482	1200						6				
041M10A101	3490	2570						8.2				
041M10A201	8910	7420						8.5				
041M10A301	3350	1750						49.9				
041M120101	593	367						5.1				
041M120201	3070	484						27.1				

	Phase II Freshwater Sediment - Aluminum, Iron and Lead (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M130101	1590	229						9.2				
041M170101	516	727						2.2				
041M170201	438	467						2.2				
041M170301	842	1190						3.4				
041M18A101	9540	805						70.1				
041M18A201	2720	48200						45.4				
041M18A301	1550	11400						66				
041M19A101	18900	16800						16.2				
041M19A201	494	545						1.2				
041M19B101	976	1840						3.8				
041M480101	1400	290						17.4				
041M490101	3000	407						7.2				
041M490201	3560	707						6.8				
041M490301	1500	548						2.7				
041M52A101	6230	361						7.1				
041M52D101	667	362						3.7				
041M52E101	1140	1090						5.7				
041M52E201	4210	2300						17.7				
041M52E301	3060	1680						2.6				
041M56A101	2560	1210						9.4				
041M570101	5520	3790						17.7				
041M580101	1360	548						7.8				
041M5A0101	18700	9830						427				
041M5A0201	3630	3120						64.6				
041M5A0301	13000	9210						111				
041M5A0401	8470	2120						169				
041M5A0501	11300	6440						383				
041M5A0601	699	616						48.6				
041M5A0701	1040	1440						11.5				
041M5B0101	491	306						17.9				
041M5B0201	10500	3290						481				
041M63B101	1960	1290						13				
041M63B201	374	616						1.8				
041M63B301	101	112						0.95				
041M63B401	165	241						1.9				
041M720101	2450	1510						17.5				
041M720201	736	397						1.8				
041M750101	1350	681						6.5				

Phase III Data Freshwater Wetlands

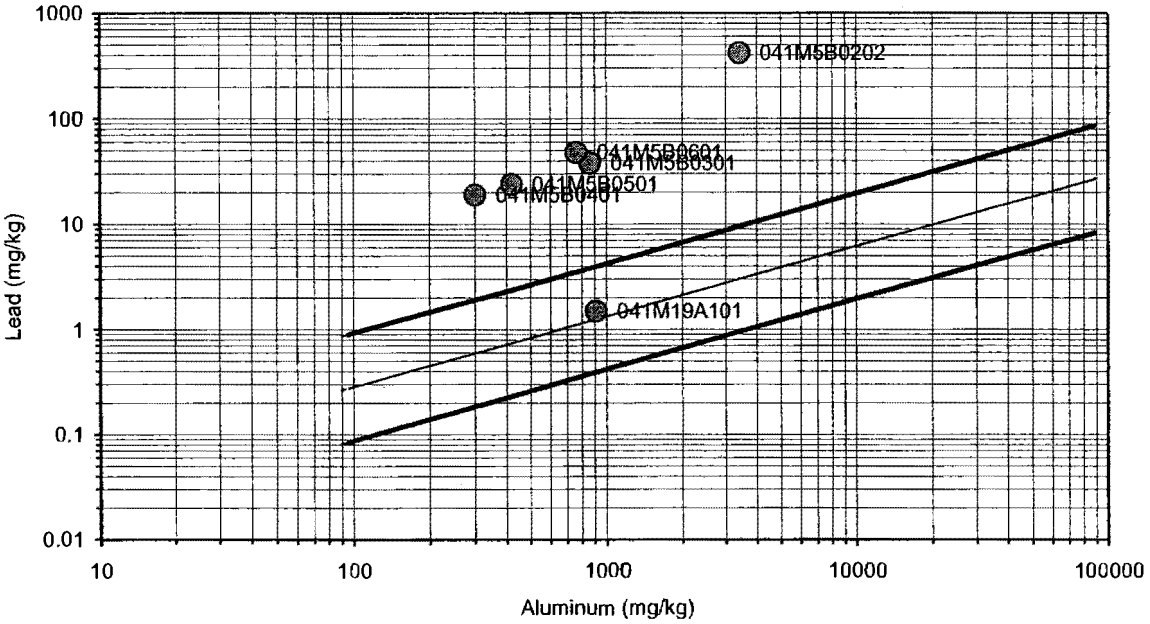


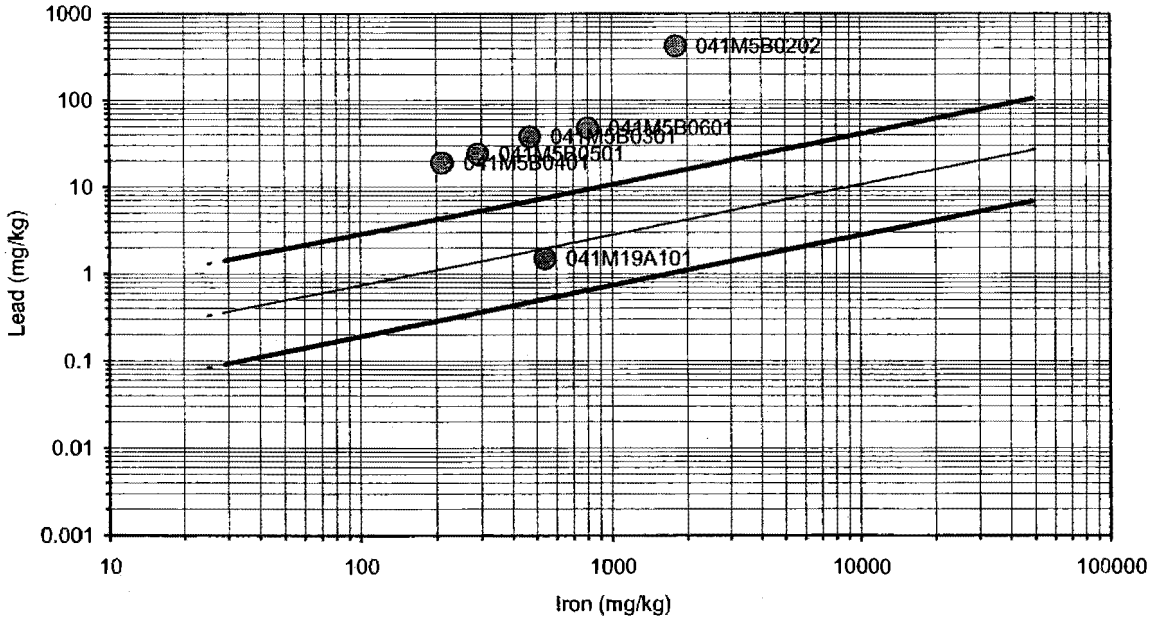


Phase III Freshwater Sediment - Aluminum, Iron and Lead (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000						20.6				
041M030701	1630	67100						35.6				
041M5A0401	2480	1090						54.5				
041M5A0501	1590	3020						258				
041M5A0601	821	546						75.5				

2004 Data Freshwater Wetlands

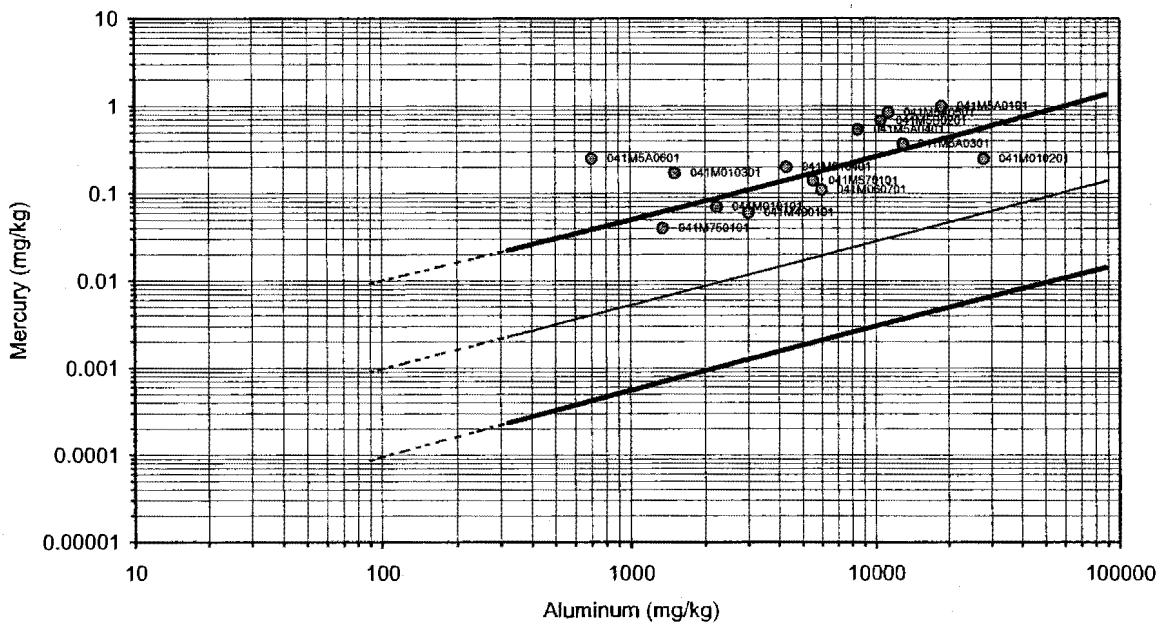


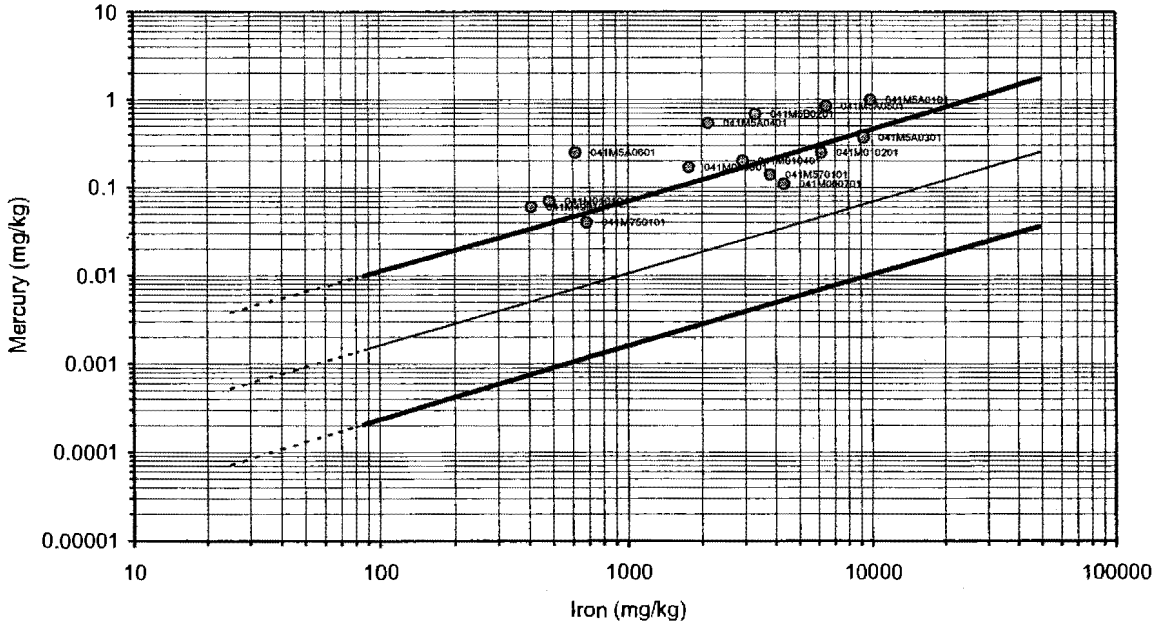


2004 Freshwater Sediment - Aluminum, Iron and Lead (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540						1.5				
041M5B0202	3400	1800						420				
041M5B0301	860	470						38				
041M5B0401	300	210						19				
041M5B0501	420	290						24				
041M5B0601	760	800						48				

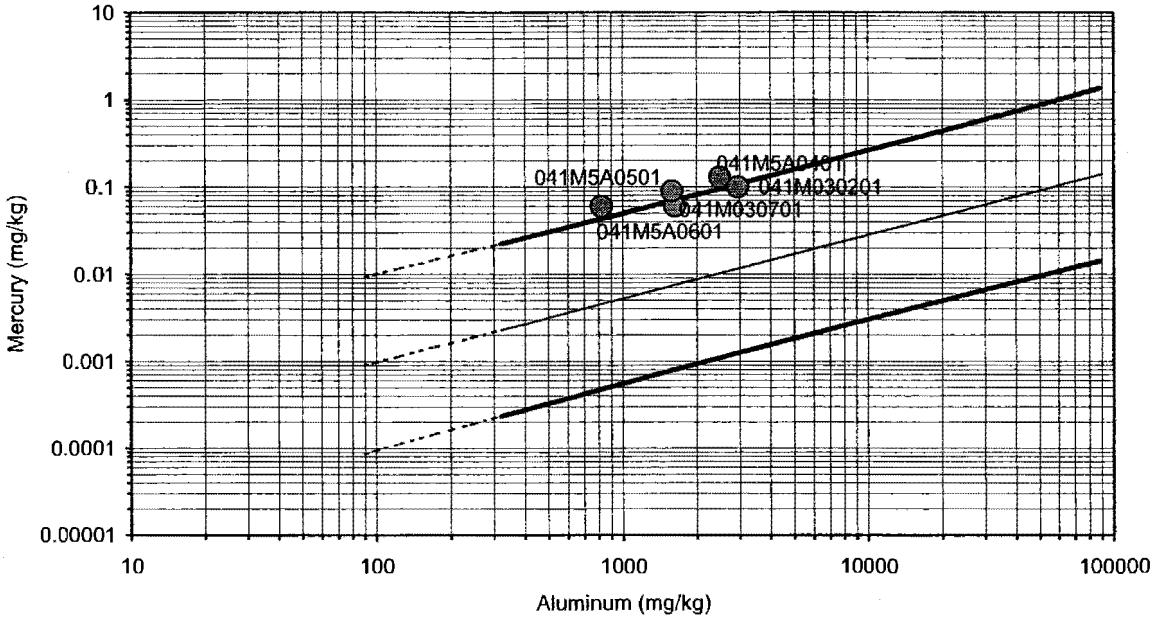
Phase II Data Freshwater Wetlands

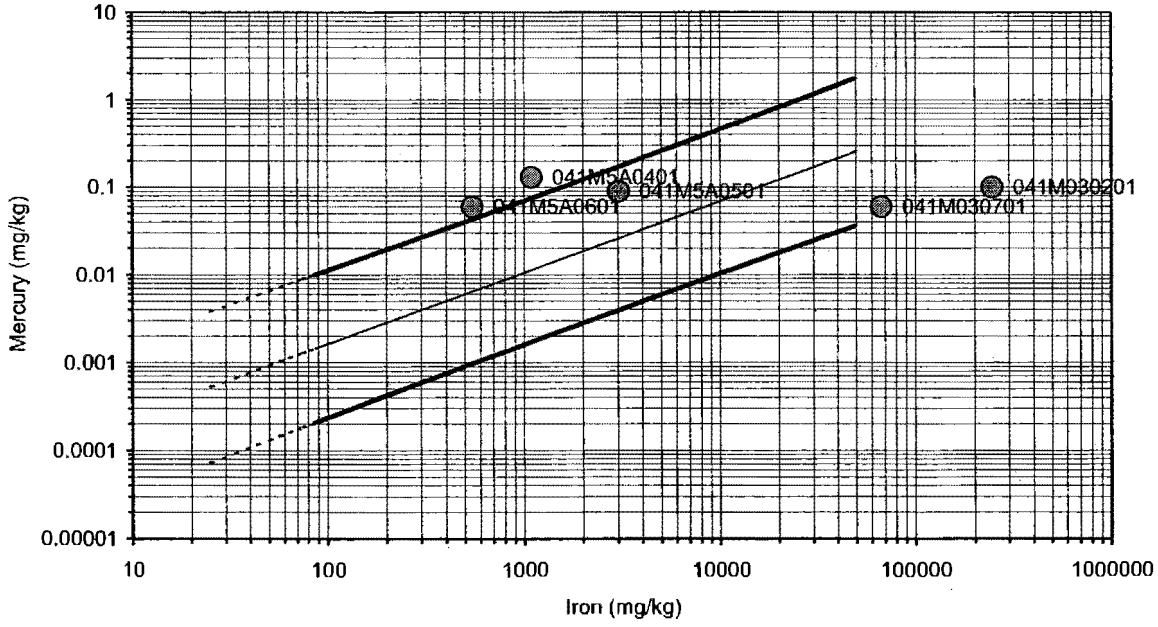




	Phase II Freshwater Sediment - Aluminum, Iron and Mercury											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M010101	2230	484	2.5	3.7		1.5	1.1	87.3	0.07	0.8		2.2
041M010201	27800	6150	0.44	73.9	1.2	57.7	22.3	1.8	0.25	8		91
041M010301	1510	1770	0.4	5.9	0.53	9.8	18.3	48.8	0.17	3.9		69.1
041M010401	4290	2930	2.5	17.7	2	27.3	31.8	153	0.2	7.5		294
041M060701	5980	4320	2.1	22.8	5.4	73.5	48.2	147	0.11	4.2	0.89	207
041M490101	3000	407		5.6		2.5	1.6	7.2	0.06			7.6
041M570101	5520	3790	1.6	11.3		4.8	4.9	17.7	0.14	2		14.7
041M5A0101	18700	9830	2.5	150	11.2	81.1	156	427	1	23.5		2290
041M5A0301	13000	9210	2.6	33.4	7.7	69.3	28.5	111	0.37	16		96.9
041M5A0401	8470	2120	1.2	27.2	4.2	33.7	68.9	169	0.54			91.7
041M5A0501	11300	6440	3.2	50.8	10.1	115	317	383	0.84	25.2		591
041M5A0601	699	616		4.1	0.56	20.6	16.2	48.6	0.25	1.3	0.42	51.3
041M5B0201	10500	3290	1.3	30.2	220	416	268	481	0.68	93.9	5.2	1160
041M750101	1350	681		4		2.1	0.82	6.5	0.04	0.49		17.5

Phase III Data Freshwater Wetlands

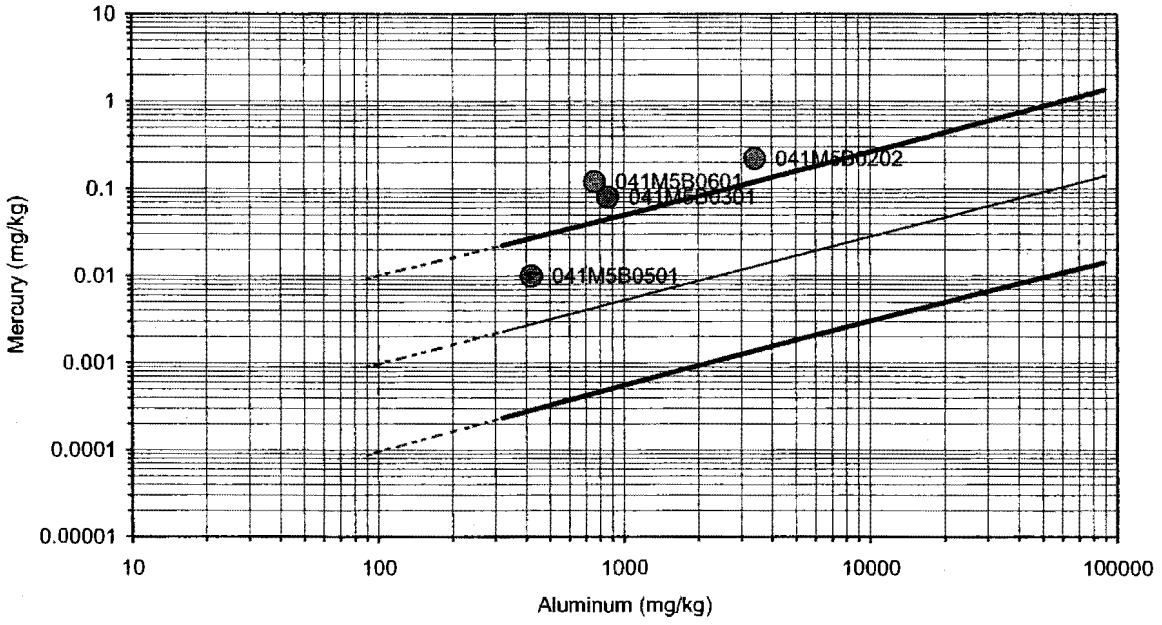


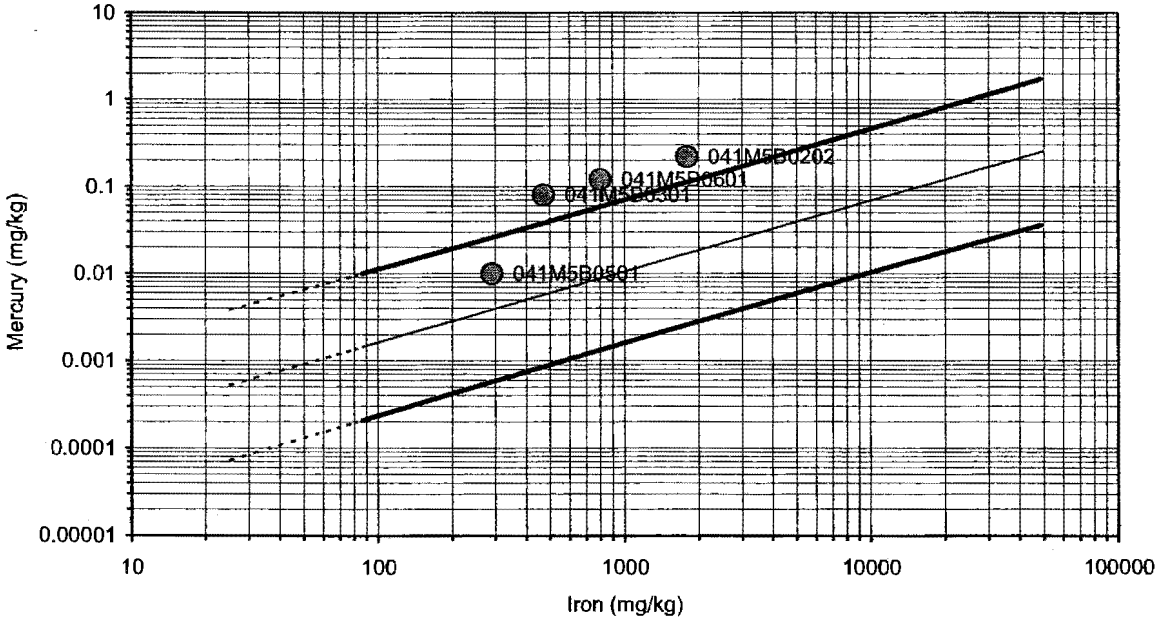


Phase III Freshwater Sediment - Aluminum, Iron and Mercury

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000							0.1			
041M030701	1630	67100							0.06			
041M5A0401	2480	1090							0.13			
041M5A0501	1590	3020							0.09			
041M5A0601	821	546							0.06			

2004 Data Freshwater Wetlands

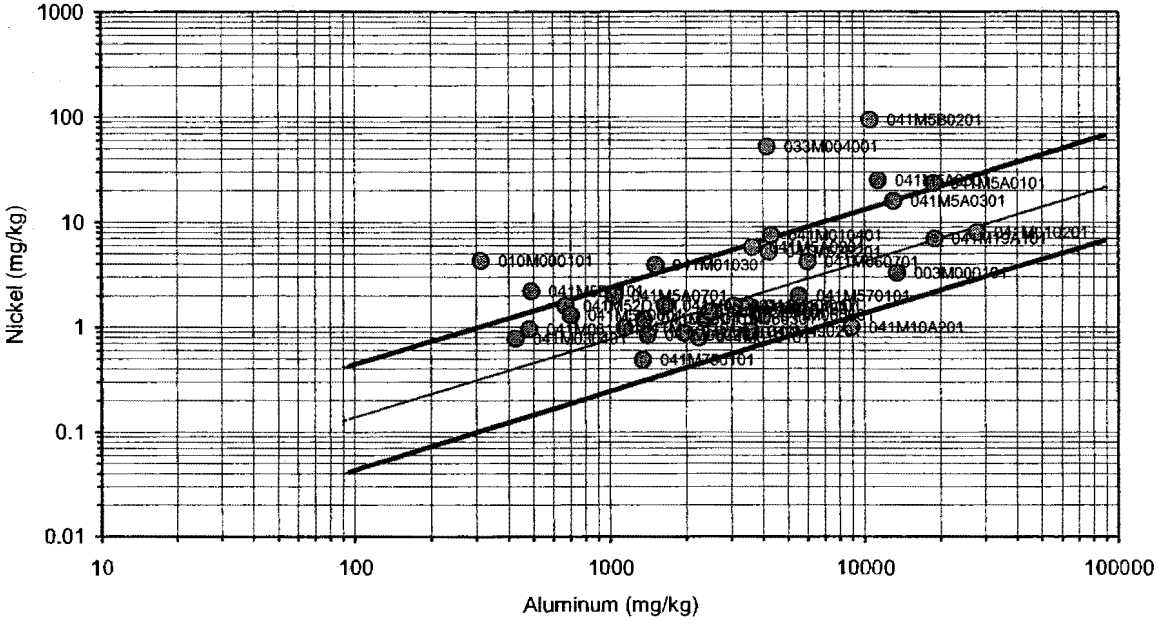


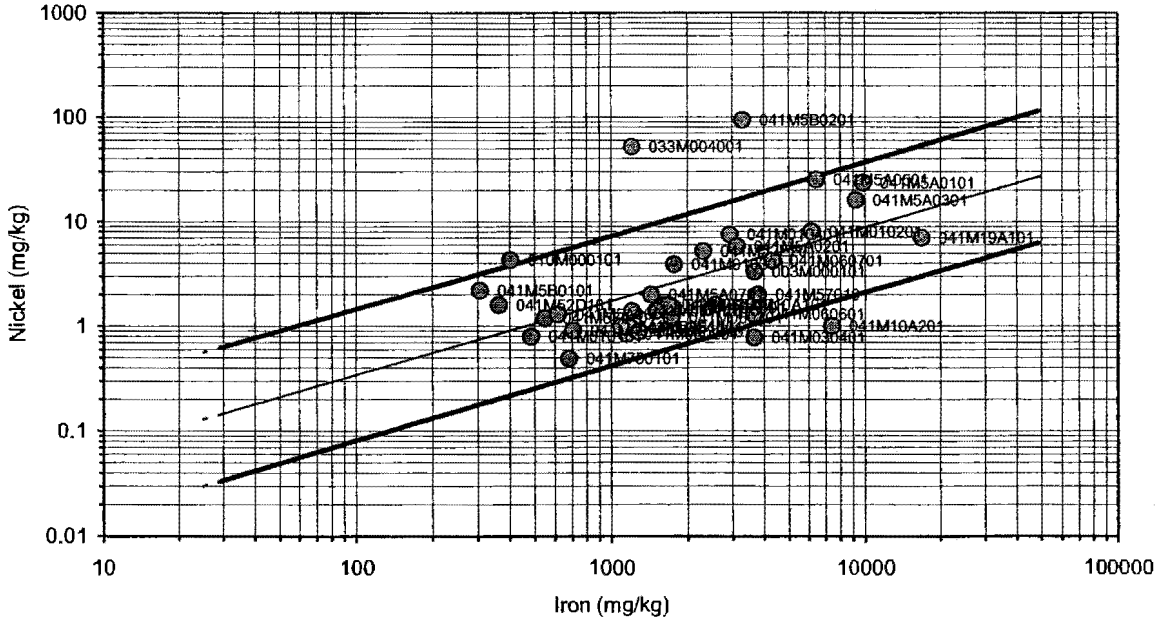


2004 Freshwater Sediment - Aluminum, Iron and Mercury

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M5B0202	3400	1800							0.22			
041M5B0301	860	470							0.08			
041M5B0501	420	290							0.01			
041M5B0601	760	800							0.12			

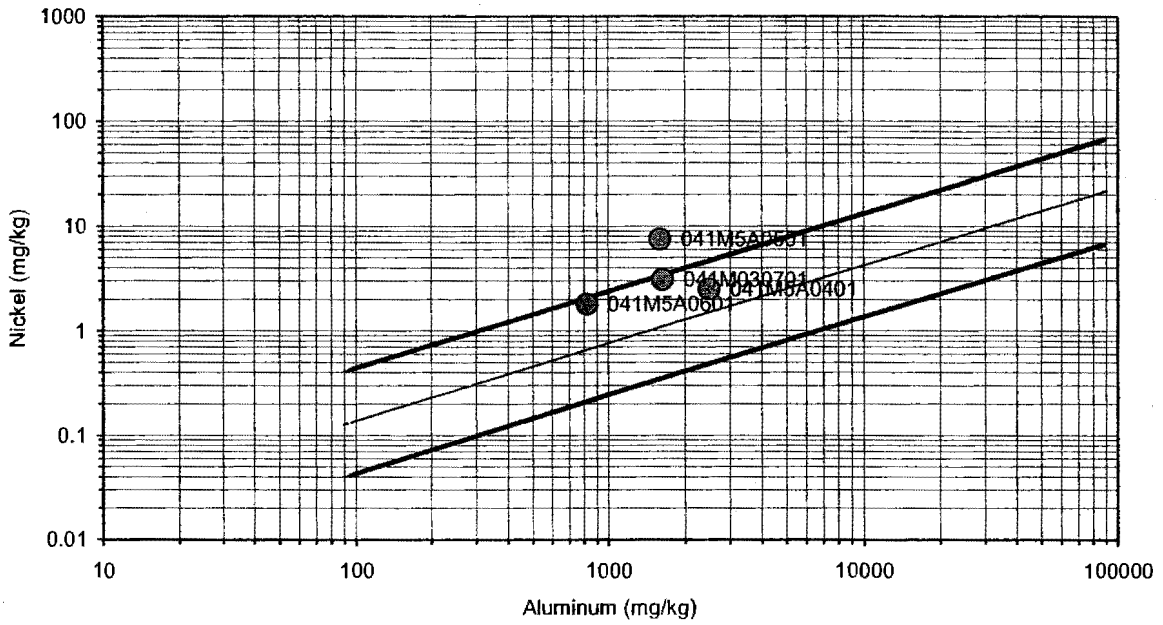
Phase II Data Freshwater Wetlands

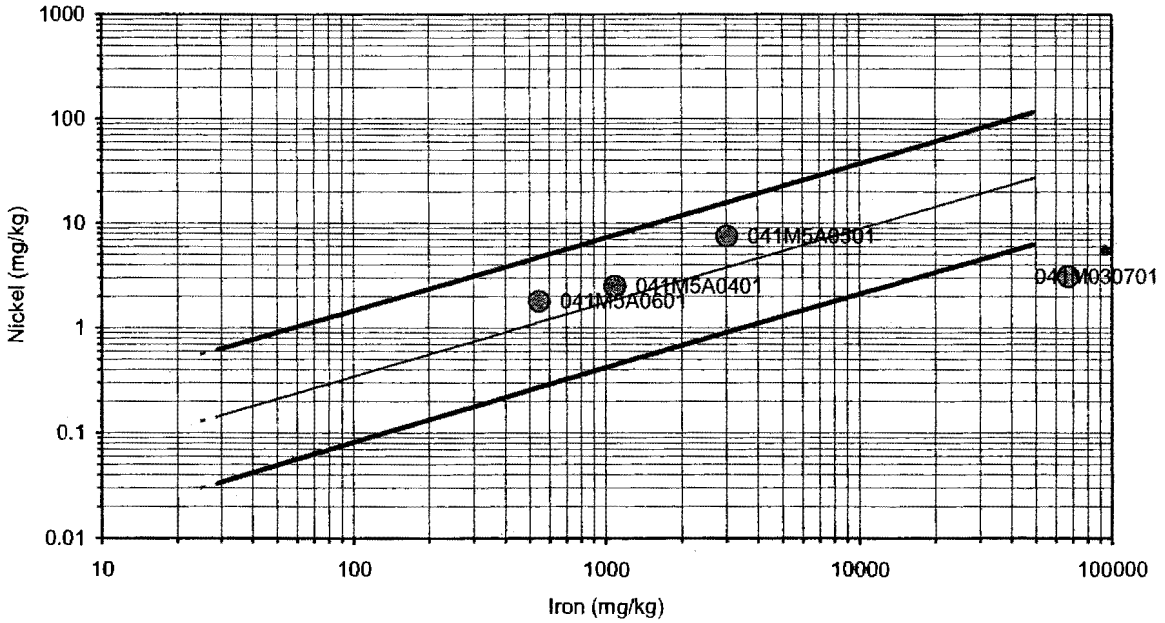




	Phase II Freshwater Sediment - Aluminum, Iron and Nickel (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
003M000101	13400	3670								3.3		
010M000101	313	402								4.3		
033M004001	4150	1210								52.1		
041M010101	2230	484								0.8		
041M010201	27800	6150								8		
041M010301	1510	1770								3.9		
041M010401	4290	2930								7.5		
041M030401	426	3660								0.78		
041M060101	1650	1620								1.6		
041M060201	1410	1150								0.84		
041M060301	2360	1730								1.2		
041M060601	3990	3640								1.3		
041M060701	5980	4320								4.2		
041M061101	482	1200								0.96		
041M10A101	3490	2570								1.6		
041M10A201	8910	7420								1		
041M10A301	3350	1750								1.5		
041M19A101	18900	16800								7		
041M490201	3560	707								0.91		
041M52D101	667	362								1.6		
041M52E101	1140	1090								0.99		
041M52E201	4210	2300								5.2		
041M52E301	3060	1680								1.6		
041M56A101	2560	1210								1.4		
041M570101	5520	3790								2		
041M580101	1360	548								1.2		
041M5A0101	18700	9830								23.5		
041M5A0201	3630	3120								5.8		
041M5A0301	13000	9210								16		
041M5A0501	11300	6440								25.2		
041M5A0601	699	616								1.3		
041M5A0701	1040	1440								2		
041M5B0101	491	306								2.2		
041M5B0201	10500	3290								93.9		
041M63B101	1960	1290								0.88		
041M720101	2450	1510								1.4		
041M750101	1350	681								0.49		

Phase III Data Freshwater Wetlands

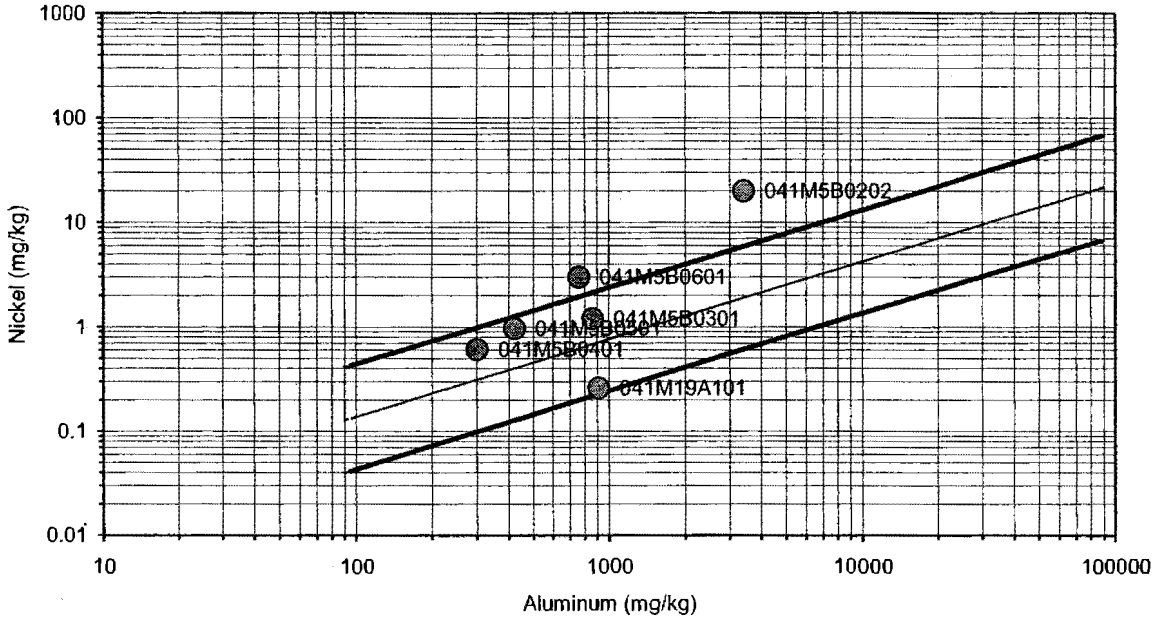


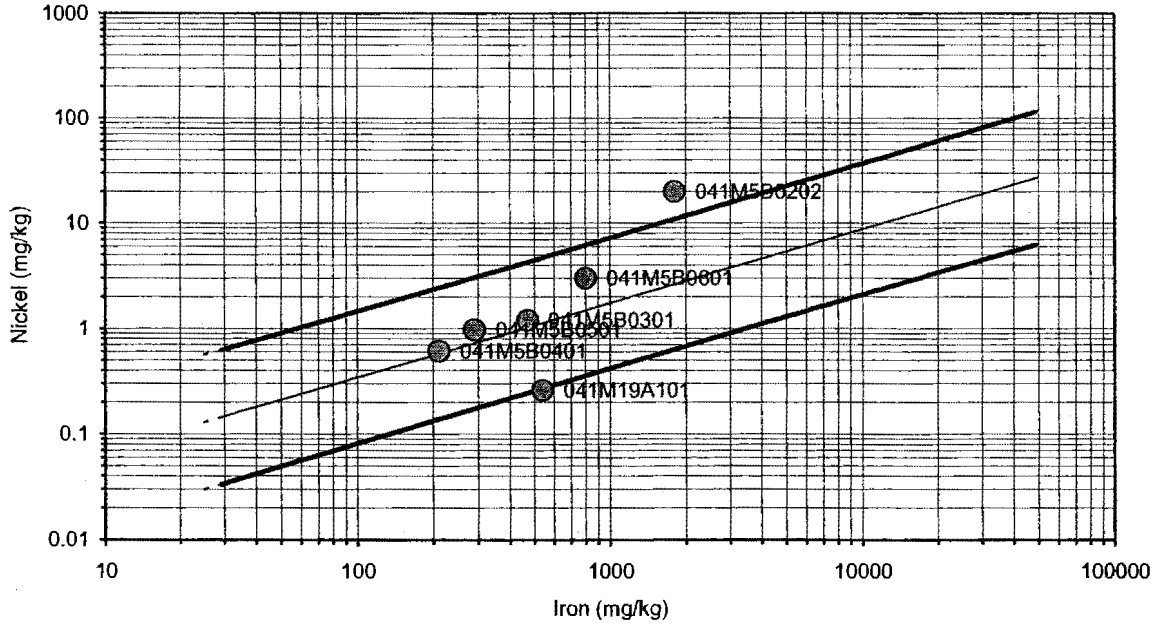


Phase III Freshwater Sediment - Aluminum, Iron and Nickel (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030701	1630	67100								3.1		
041M5A0401	2480	1090								2.5		
041M5A0501	1590	3020								7.5		
041M5A0601	821	546								1.8		

2004 Data Freshwater Wetlands

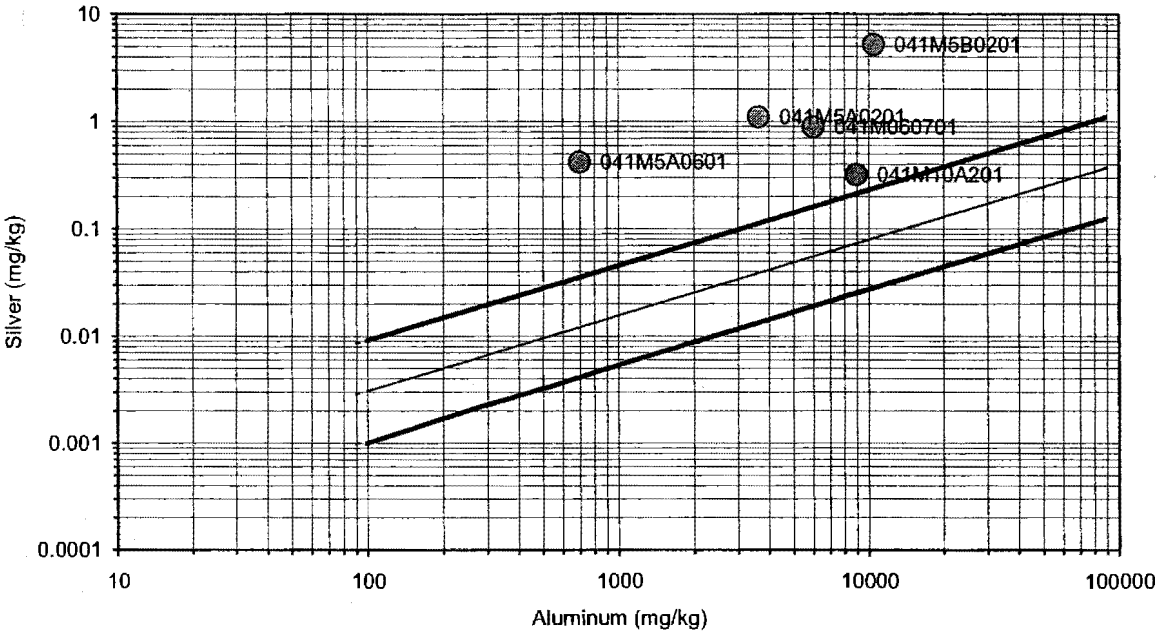


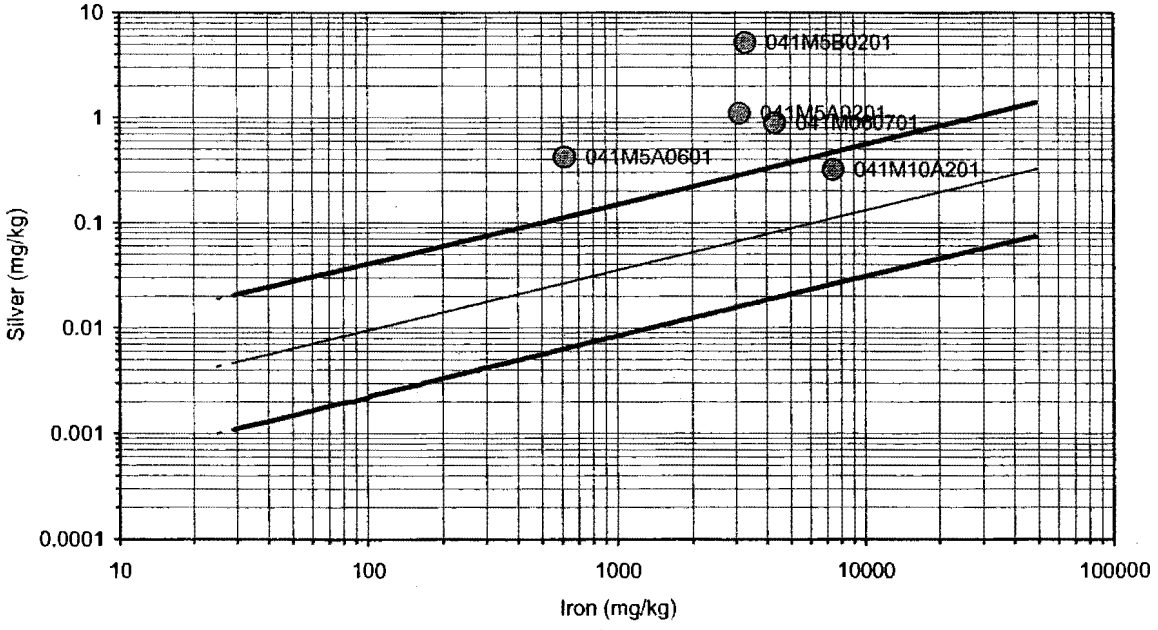


2004 Freshwater Sediment - Aluminum, Iron and Nickel (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540								0.26		
041M5B0202	3400	1800								20		
041M5B0301	860	470								1.2		
041M5B0401	300	210								0.61		
041M5B0501	420	290								0.97		
041M5B0601	760	800								3		

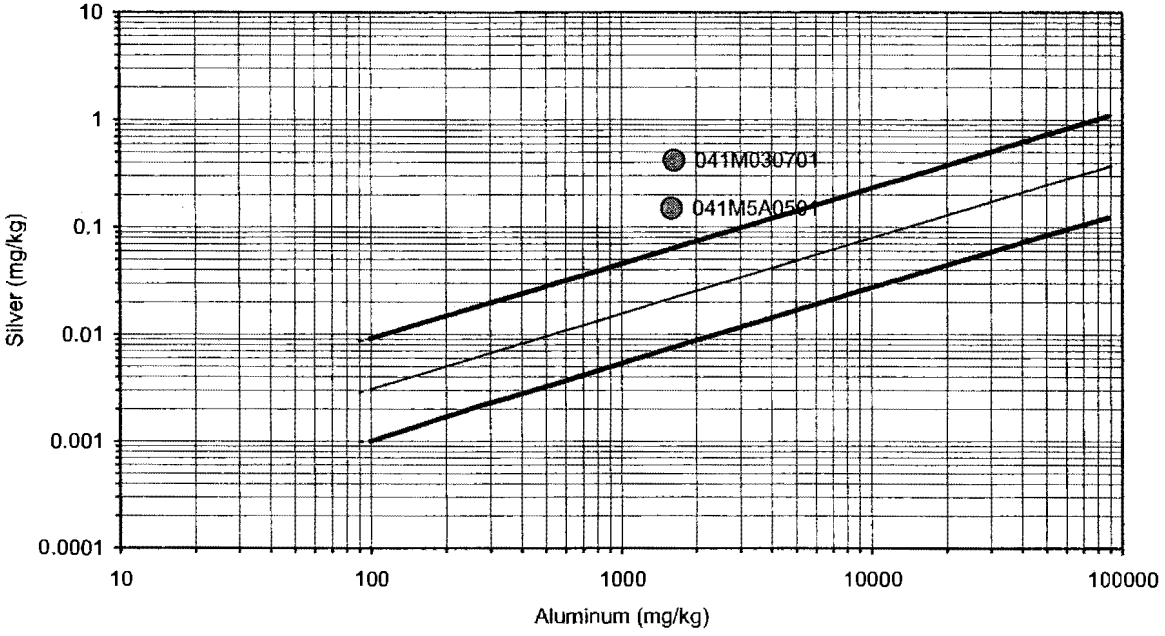
Phase II Data Freshwater Wetlands

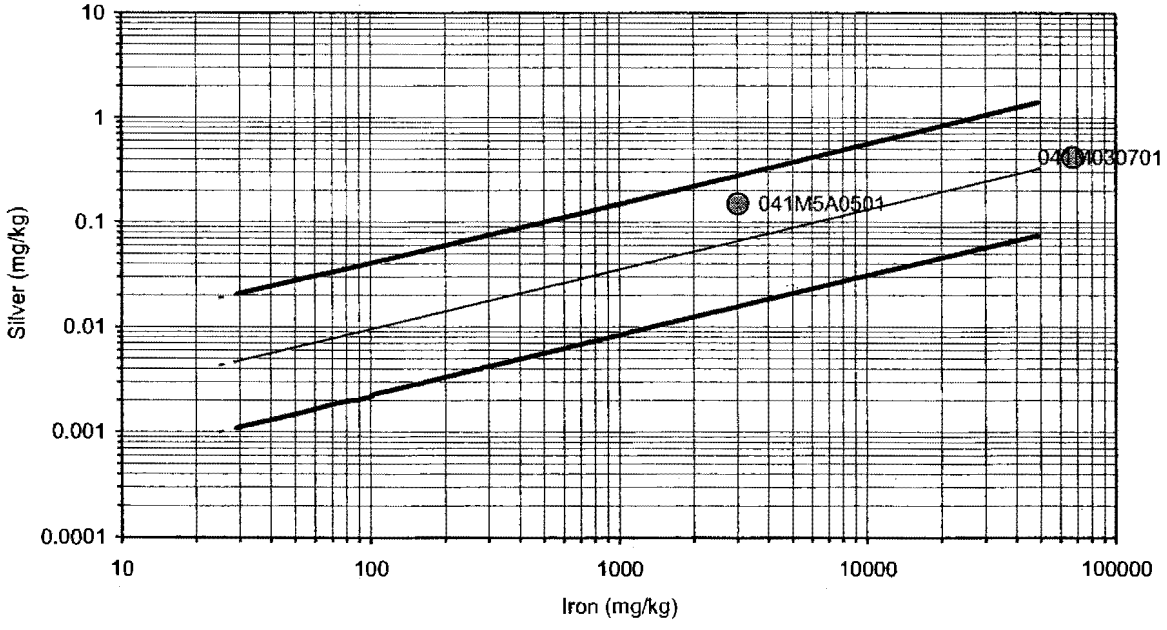




	Phase II Freshwater Sediment - Aluminum, Iron and Silver (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M060701	5980	4320									0.89	
041M10A201	8910	7420									0.32	
041M5A0201	3630	3120									1.1	
041M5A0601	699	616									0.42	
041M5B0201	10500	3290									5.2	

Phase III Freshwater Wetlands

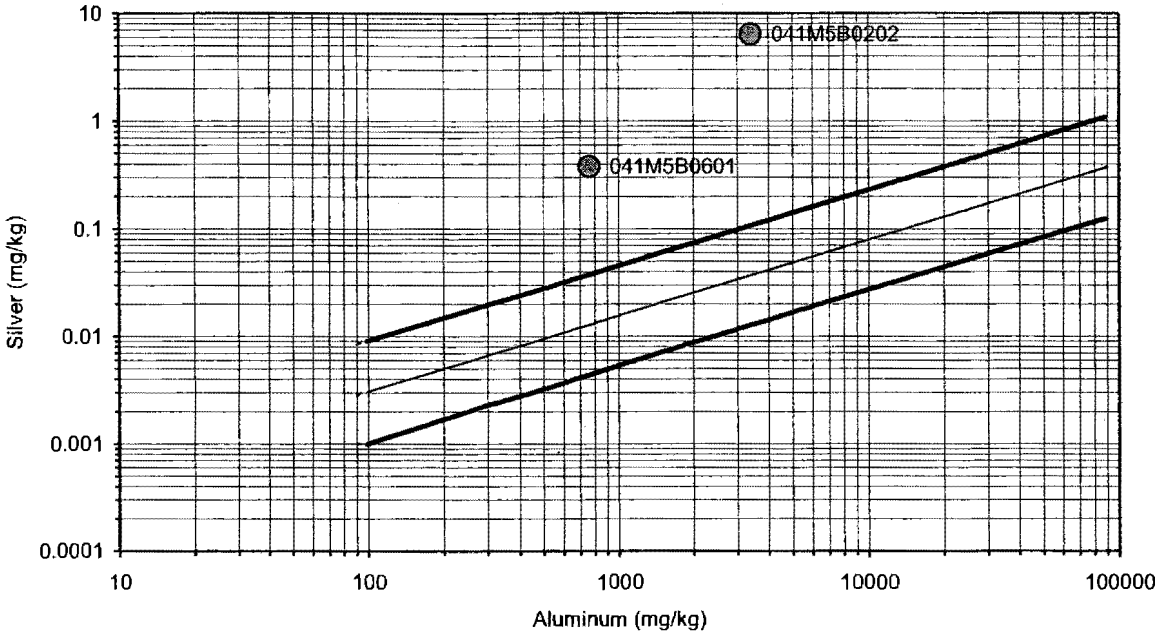


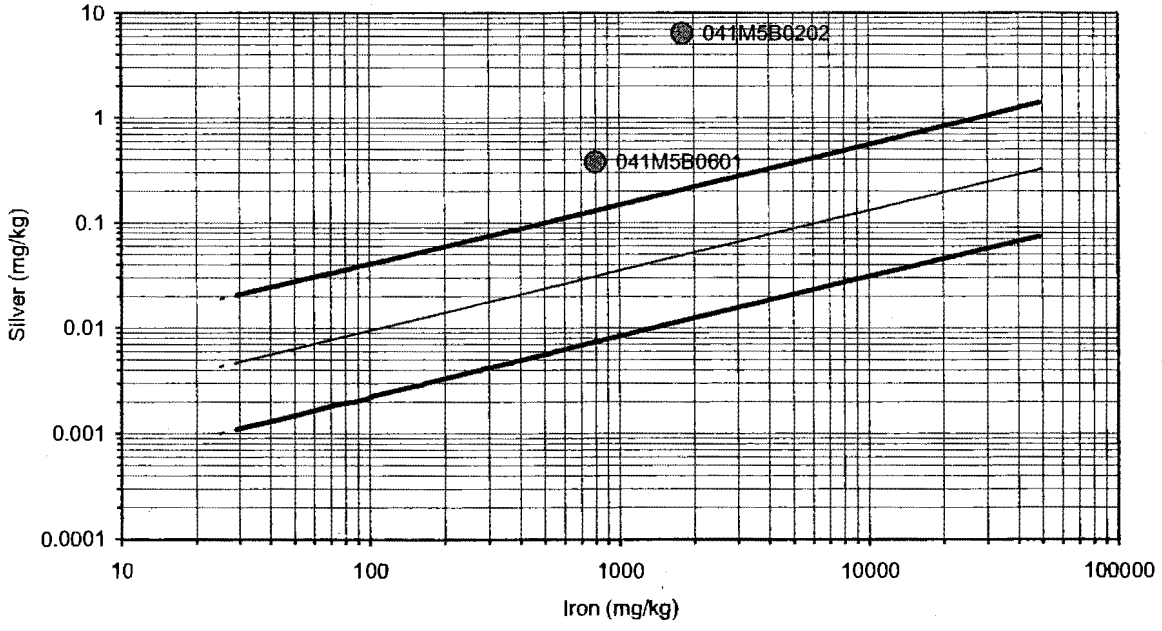


Phase III Freshwater Sediment - Aluminum, Iron and Silver (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030701	1630	67100									0.42	
041M5A0501	1590	3020									0.15	

2004 Data Freshwater Wetlands

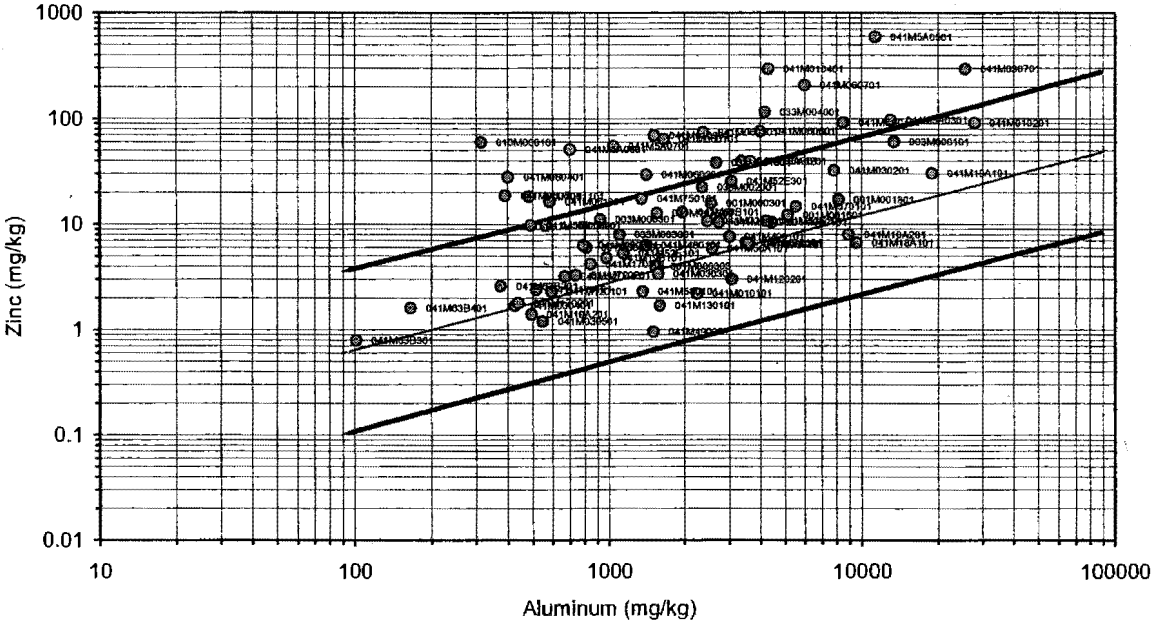


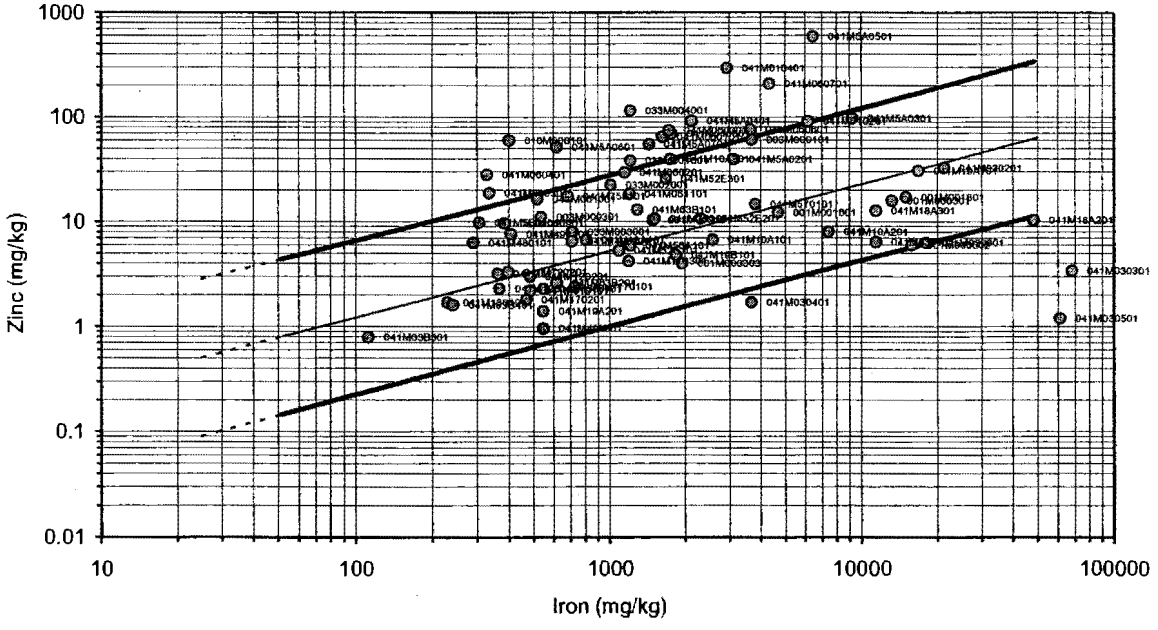


2004 Freshwater Sediment - Aluminum, Iron and Silver (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M5B0202	3400	1800									6.4	
041M5B0601	760	800									0.38	

Phase II Data Freshwater Wetlands

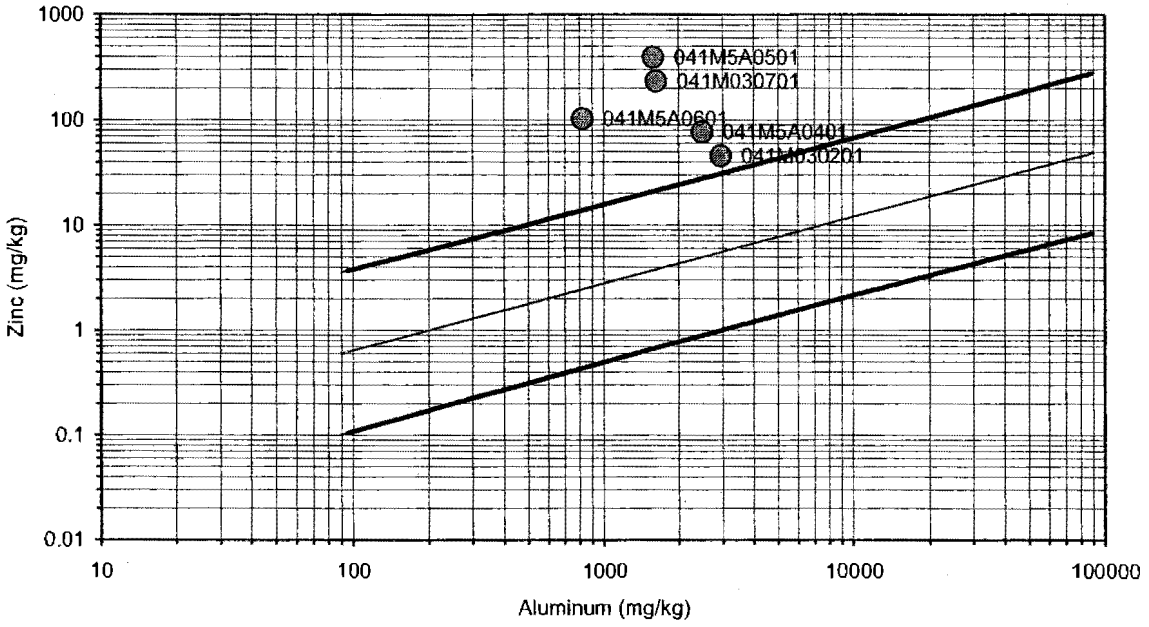


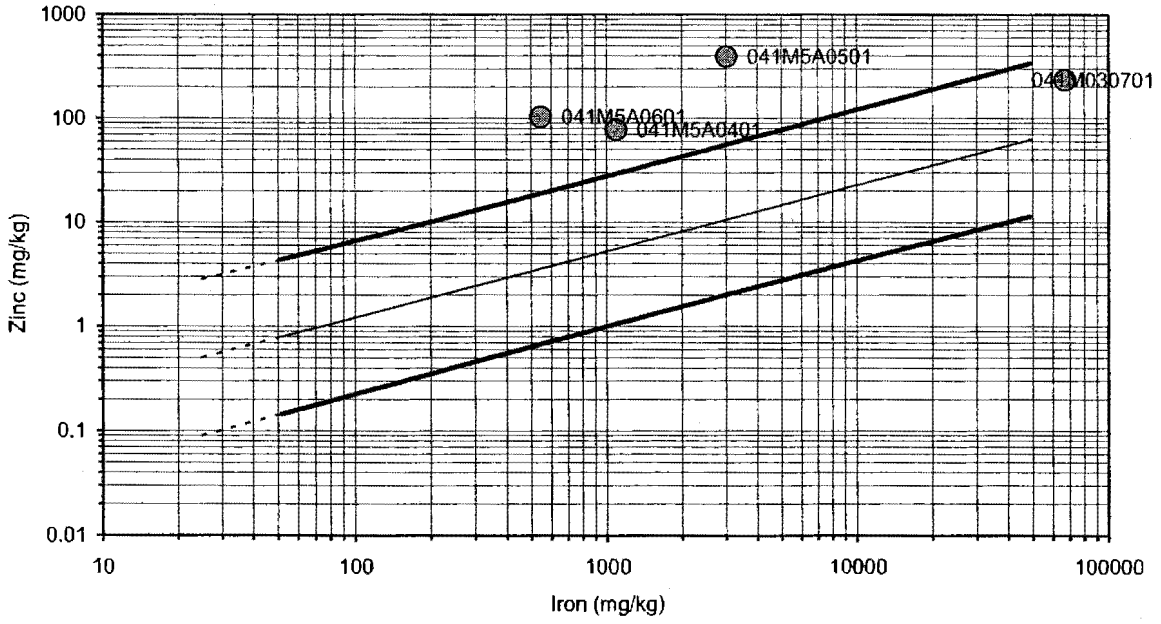


	Phase II Freshwater Sediment - Aluminum, Iron and Zinc (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
001M000101	4430	1490										10.4
001M000301	2540	13200										15.8
001M000302	809	15800										6
001M000303	1530	1940										4
001M001601	5120	4680										12.2
001M001801	8120	15000										17.1
003M000101	13400	3670										60.5
003M000301	919	536										11.1
010M000101	313	402										59.6
033M001001	2660	1210										38.2
033M002001	2340	1010										22.3
033M003001	1100	710										8
033M004001	4150	1210										115
041M010101	2230	484										2.2
041M010201	27800	6150										91
041M010301	1510	1770										69.1
041M010401	4290	2930										294
041M030101	3590	11400										6.4
041M030201	7780	21200										32.4
041M030301	1570	68000										3.4
041M030401	426	3660										1.7
041M030501	546	61100										1.2
041M030601	788	18000										6.3
041M030701	25600	386000										297
041M060101	1650	1620										64.2
041M060201	1410	1150										29.5
041M060301	2360	1730										74.1
041M060401	400	328										28.1
041M060501	390	335										18.8
041M060601	3990	3640										75.7
041M060701	5980	4320										207
041M060901	562	384										9.7
041M061001	582	517										16.4
041M061101	482	1200										18.3
041M10A101	3490	2570										6.7
041M10A201	8910	7420										8
041M10A301	3350	1750										39.6
041M120101	593	367										2.3
041M120201	3070	484										3
041M130101	1590	229										1.7
041M170101	516	727										2.4

	Phase II Freshwater Sediment - Aluminum, Iron and Zinc (mg/kg)											
	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M170201	438	467										1.8
041M170301	842	1190										4.2
041M18A101	9540	805										6.7
041M18A201	2720	48200										10.4
041M18A301	1550	11400										12.7
041M19A101	18900	16800										30.6
041M19A201	494	545										1.4
041M19B101	976	1840										4.8
041M480101	1400	290										6.3
041M490101	3000	407										7.6
041M490201	3560	707										6.5
041M490301	1500	548										0.96
041M52D101	667	362										3.2
041M52E101	1140	1090										5.3
041M52E201	4210	2300										10.7
041M52E301	3060	1680										25.5
041M56A101	2560	1210										5.9
041M570101	5520	3790										14.7
041M580101	1360	548										2.3
041M5A0101	18700	9830										2290
041M5A0201	3630	3120										39.3
041M5A0301	13000	9210										96.9
041M5A0401	8470	2120										91.7
041M5A0501	11300	6440										591
041M5A0601	699	616										51.3
041M5A0701	1040	1440										54.7
041M5B0101	491	306										9.8
041M5B0201	10500	3290										1160
041M63B101	1960	1290										13
041M63B201	374	616										2.6
041M63B301	101	112										0.79
041M63B401	165	241										1.6
041M720101	2450	1510										10.7
041M720201	736	397										3.3
041M750101	1350	681										17.5

Phase III Data Freshwater Wetlands

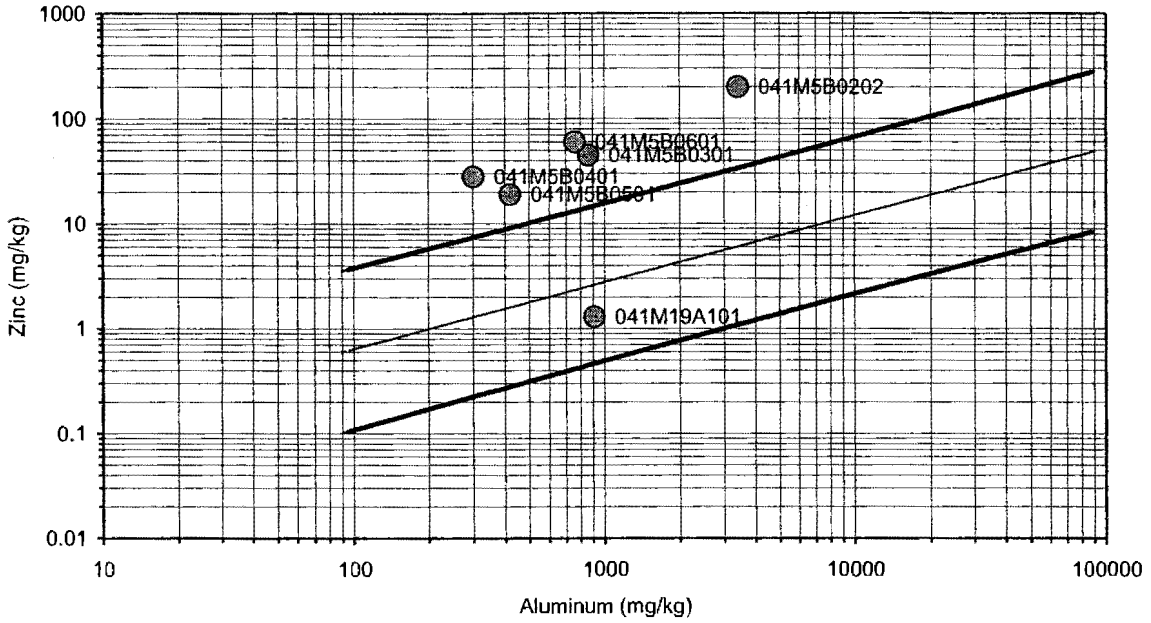


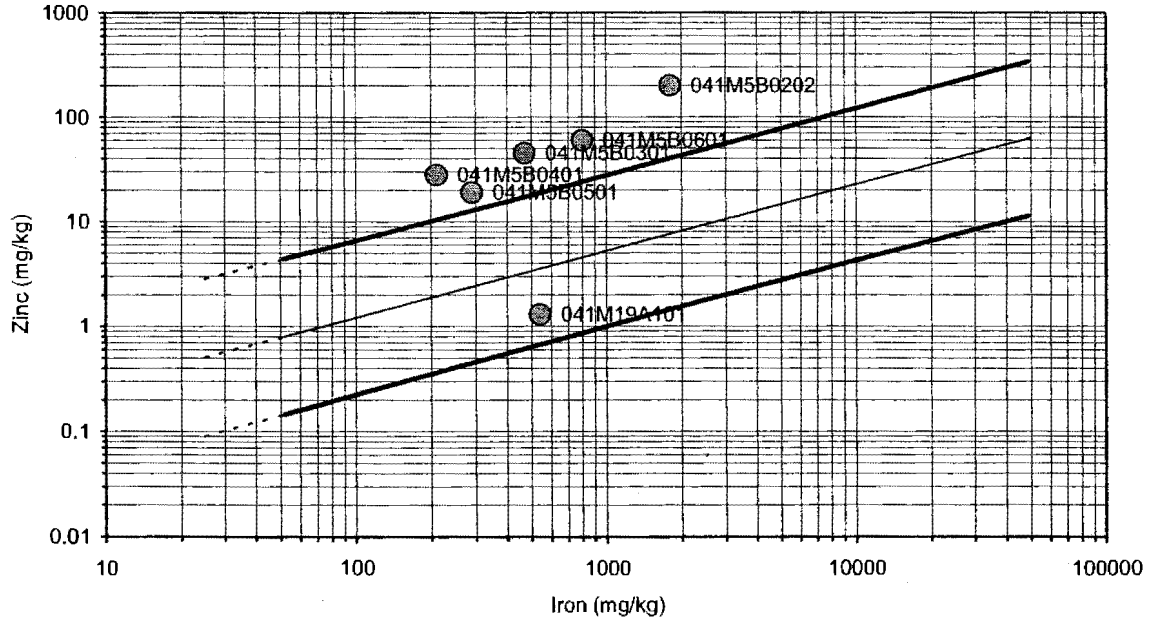


Phase III Freshwater Sediment - Aluminum, Iron and Zinc (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M030201	2950	246000										45.8
041M030701	1630	67100										234
041M5A0401	2480	1090										77.1
041M5A0501	1590	3020										394
041M5A0601	821	546										103

2004 Data Freshwater Wetlands





2004 Freshwater Sediment - Aluminum, Iron and Zinc (mg/kg)

	Aluminum	Iron	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
041M19A101	910	540										1.3
041M5B0202	3400	1800										200
041M5B0301	860	470										45
041M5B0401	300	210										28
041M5B0501	420	290										19
041M5B0601	760	800										60

Regression Analysis of Inorganics in Saltwater Sediments

Appendix K
Site 41, NAS Pensacola — Saltwater Sediments
Statistical Analysis of Outliers

GENERAL BACKGROUND:

A statistical process of data analysis has been used in the evaluation of inorganics in saltwater sediments at Site 41 (OU 16) to aid in the identification of "outliers". This process of determining "outliers" (i.e., those constituents falling outside a "normally expected distribution" that, as a result, are considered to be aberrant and likely related to site contamination and/or anthropogenic influence) utilizes simple linear regression to quantify the relationship between a dependent variable (criterion variable) and an independent variable (predictor variable). In practical terms, this means using the value of one inorganic to predict the value of another, assuming some natural control of the occurrences of the two. The key purpose of the technique is defining the values that fall outside of what is within the "normally expected" relationship (i.e., "background") between the two constituents; this is a determination that statistically can't be made reliably using the regression technique until a reasonably large and diverse data set (such as that at NAS Pensacola) has been collected. At NAS Pensacola, "background" for inorganics has typically been referred to as a singular value for any given media that was derived from analytical results obtained very early in the facility investigations from areas that were assumed to be unimpacted. The premise behind using the regression technique is that "background" for a constituent in any media (soil, groundwater, sediment, or surface water, although it is particularly well-suited for solid media) is not best represented by singular values, but by a range of values that can be predicted by that constituent's relationship with another constituent. For example, intuitively we understand that in the absence of anthropogenic contamination, a clayey soil will contain higher concentrations of metals than a sandy soil simply because of the geochemical behavior of inorganics (sorption onto amorphous iron hydroxides, sorption onto clay mineral surfaces, incorporation into clay mineral lattices, co-precipitation). At the same time, we also understand that the concentrations in the clayey soil are "background" as much as the concentrations in the sand are.

The regression technique derives an equation that quantifies the relationship between two constituents that can be applied independent of the variations in media type (e.g., clay vs. sand). The equation describes, on a percentage basis, how much of the variance in the dependent variable can be explained by the co-occurring variance in the independent variable, and is derived through the graphical plotting of one variable against the other. In defining "background", the percentage basis explaining variance can be adjusted to meet the needs of the exercise simply by dropping data couples that fall excessively outside of a least-squares line fit (i.e., identification and dropping of "outliers" from the data set) to the plotted data. In environmental data, an equation with a 90% or better explained variance between two constituents is desirable to be able to use the data reliably.

The following further describes the regression technique and how it is used to identify "outliers" and to determine "background". An example (using aluminum and arsenic detections in saltwater sediments at NAS Pensacola) is also provided.

General Assumptions:
The following are some general assumptions associated with the use of this technique:

- Some measure of inorganics occurs in media naturally.

- The metals in shallow solid media particularly (soil and sediments), outside of elemental occurrences, occur as oxides (amorphous solids), as incorporated major and trace elements in crystalline structures, and as sorbed material onto crystalline structures and/or hydroxides.

- Under ambient geochemical conditions, the species and amounts of metals available remain at reasonably fixed ratio for a given hydrogeologic/geochemical environment. Therefore, under ambient conditions, there should be a linear relationship between the occurrences of most of the major inorganics of concern.

Method:
The following briefly describes the procedure used to identify outliers and background:

- Simple linear regressions are run for metals that are known to occur at resolvable concentrations (aluminum and iron for example) against those metals that are of a concern (for example arsenic, cadmium, chromium and lead). In this case, the process is concerned with the relationship between real values of constituents; therefore only actual detects are used. This type of statistical analysis derives a linear equation that describes the variance of a particular constituent (arsenic for example) as a function of its occurrence with another (aluminum for example). The equation is graphically displayed as a trend line between the two; the degree of correlation (the coefficient of determination) is the measure of how much of the concentration variance in a metal can be explained by its co-occurrence with the other.

- Importantly, a dependent or criterion variable can be regressed against a number of predictor variables. The best predictor variables occur naturally, at relatively high levels in the environment, and tend to be incorporated into a given media by the same mechanisms as the criterion variables. These predictor variables can also vary depending on the geologic framework as well. Aluminum is a very stable predictor variable (independent variable), particularly in soil or sediment, because it is ubiquitous and normally occurs at easily resolvable levels given analytical capabilities (aluminum is the third most abundant element in the earth's crust). Because aluminum predominantly occurs in the +3 valence state, and is incorporated into clay mineral lattices in an orderly fashion (thereby introducing some element of "expected" occurrence) it is used more frequently than other species as the predictor variable (iron for example, that can occur in any number of valence states and is incorporated into aluminosilicates more randomly and forms any number of amorphous hydroxides and colloids).

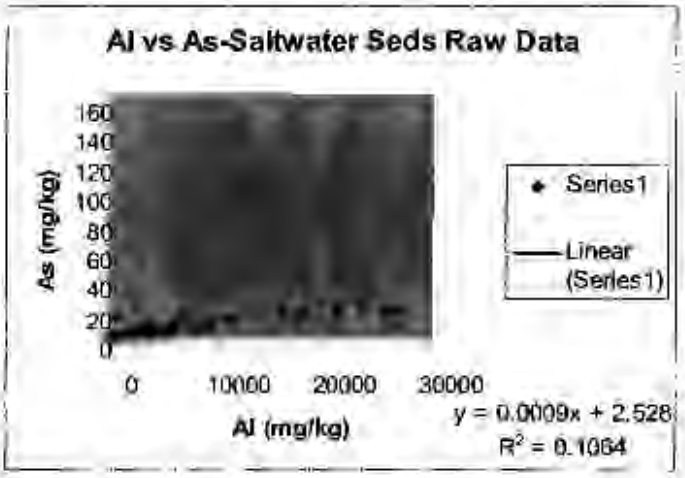


Figure 1. Example: Aluminum (predictor value) regressed against Arsenic (criterion variable) as a function of their occurrence in saltwater sediments at NAS Pensacola — raw data, detects only.

- The basic form of the regression equation is shown in Figure 1, where the Y (criterion variable) can be expressed in terms of a constant (the intercept) and a slope (the regression coefficient) times the X (predictor variable). Also on Figure 1 is shown the R-squared value, or coefficient of determination, that quantifies the amount of original variability that is explained by the regression equation. Ideally, the regression should explain as much of the original variability as possible for the two to be strongly correlated. The correlation coefficient is defined as the square root of R-squared, and defines the degree to which the two variables are related. In this case .106, or roughly slightly more than a 10% explained variance, does not represent a strong correlation. Additionally, the regression shown in Figure 1 is linear (the assumption is made that the relationship between aluminum and arsenic is linear). The trend line is computed using a least-squares method (line is computed such that the squared deviations of the observed points from the line are minimized); depending on the graphical form of the plot of the two variables, regressions can be run using other non-linear functions (exponential for example). Finally, none of the data shown in Figure 1 has been transformed (converted to log for example). This is the basic type of regression: a simple linear.

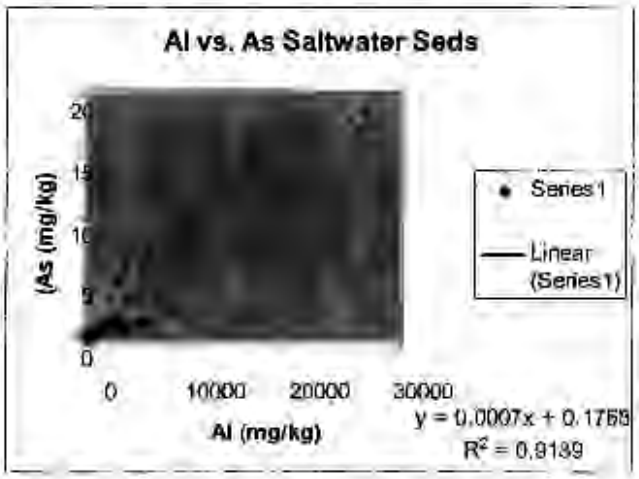


Figure 2. Example: Aluminum vs. Arsenic, saltwater sediments at NAS Pensacola, outliers removed.

- The process described here is one in which outliers (those points that are clearly outside of the least-squares fit line from others) are sequentially removed until the R-squared is at least .9 (90% explained variance). Those outliers that cause R-squared values to be less than .5 (an arbitrary value chosen for this exercise) can clearly be attributed to "outside of the norm" and are likely related to site contamination. Those that are removed between R-sq of .5 and .9 are of suspect origin and subject to review. In the above example, removal of two outliers resulted in increasing the explained variance from approximately 10% to slightly more than 90%. The practical interpretation of this, for the purpose of determining "background" and identification of "outliers", is that 90% of the variance in the arsenic data for the sample set above (with outliers removed) can be explained by its co-occurrence with aluminum. In other words, based on the assumption that aluminum is naturally occurring, we can be 90% confident that these arsenic values are naturally occurring as well. Similarly, we can be 90% confident that the removed outliers represent conditions not "normally expected", and are likely to be associated with outside influences.

RESULTS

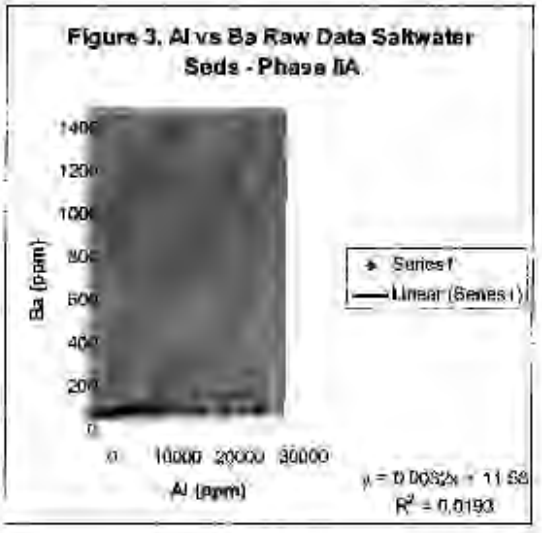
Sediment samples for saltwater sediments at NAS Pensacola were collected in three phases (Phase II [formerly called IIA] and Phase III (formerly called Phase IIB/III). Those collected during Phase II were primarily independent, comprehensive, and intended to provide a "first look" at the state of potential contamination. Phase III samples were chosen based on the results of Phase II, and represent a refinement of locations intended to investigate further areas of potential contamination. Linear regression analyses (as previously described) were run for Phase II, and Phase III (combined) for aluminum and iron versus the following inorganics to identify potential outliers:

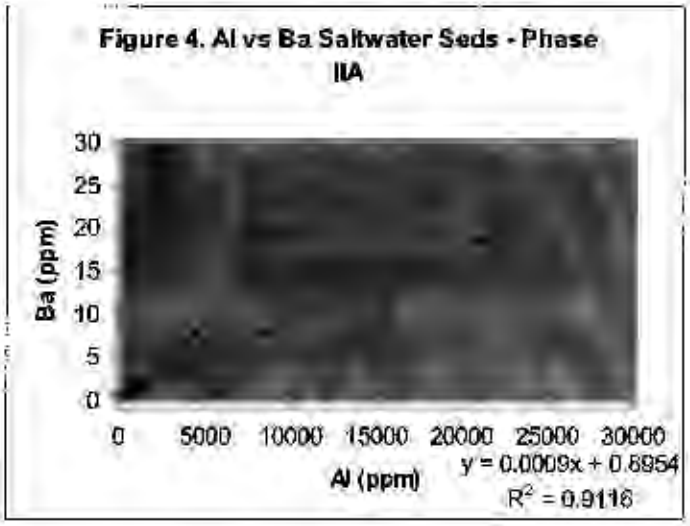
- Barium
- Cadmium
- Chromium
- Copper
- Lead
- Mercury
- Zinc

These regressions were run for all detected concentrations in the OU41 saltwater sediments. Appendices B and C include the full data set from which the detected values were extracted for analysis. The following provides the results of the identification of outliers using the regression technique.

Phase II Aluminum vs. Barium:

Figure 3 provides the series plot of Phase II aluminum vs. barium "raw data" (all detected data extracted from the data set), and Figure 4 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

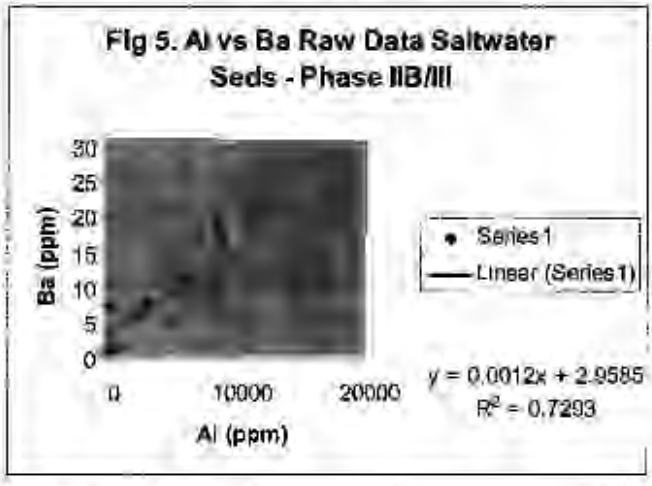


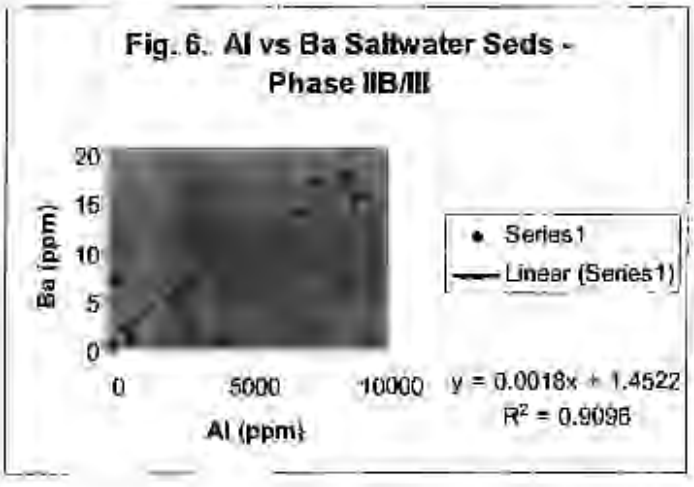


The following samples were identified as Phase II outliers (the "high parameter" is the parameter with which the outlier is enriched):

Sample	Aluminum (mg/kg)	Barium (mg/Kg)	High Parameter
041M640301	11,200	1,280	Barium
041M150301	7,810	40.9	Barium
041M150101	9,350	36.2	Barium
041M640501	3,710	15.5	Barium
041M63A301	5,500	16.3	Barium

Phase III Aluminum vs. Barium:
Figure 5 provides the series plot of Phase III aluminum vs. barium "raw data" (all detected data extracted from the data set), and Figure 6 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.





The following samples were identified as Phase III outliers:

Sample	Aluminum (mg/kg)	Barium (mg/kg)	High Parameter
041M641102	18,000	18	Aluminum
041M160301	5,320	4.7	Aluminum

Phase II Iron vs. Barium:

Figure 7 provides the series plot of Phase II iron vs. barium "raw data" (all detected data extracted from the data set), and Figure 8 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 7. Fe vs Ba Raw Data Saltwater Seds - Phase IIA

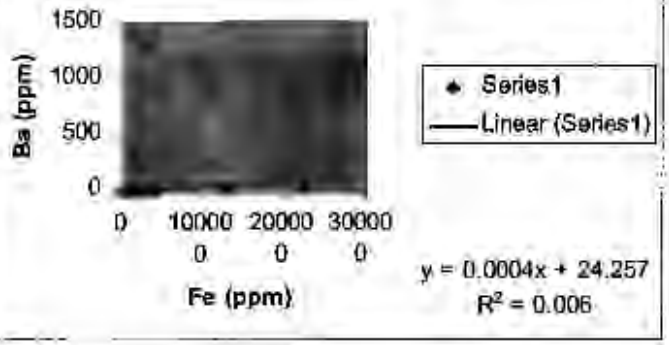
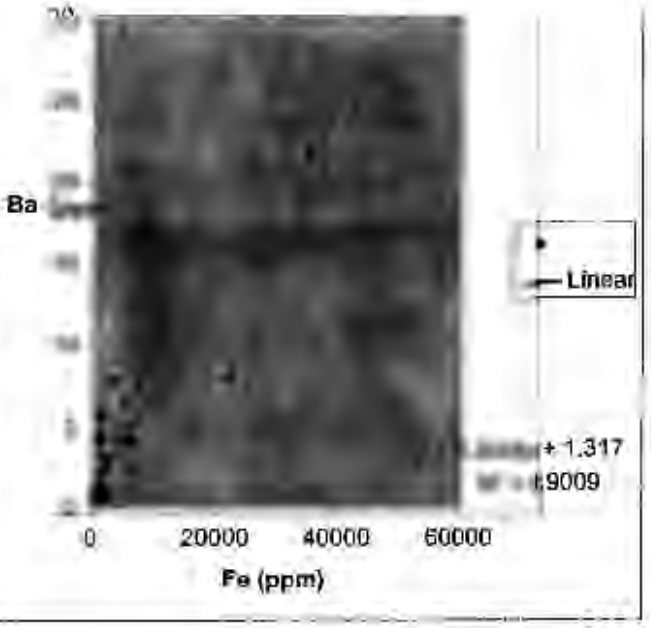


Fig. 8. Fe vs Ba Saltwater Seds - Phase IIA

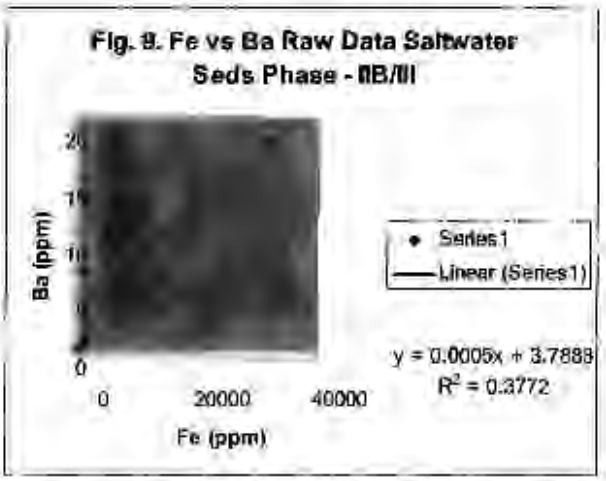


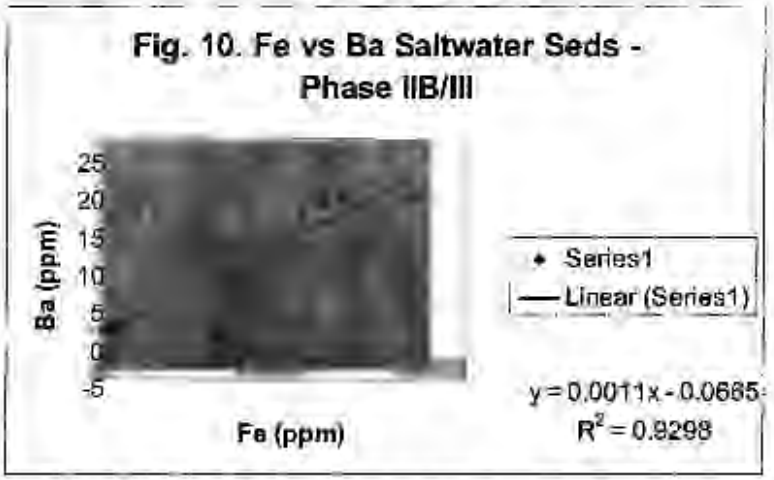
The following samples were identified as Phase II outliers:

Sample	Iron (mg/kg)	Barium (mg/kg)	High Parameter
041M640301	25,900	1,280	Barium
041M150101	12,100	36.2	Barium
041M18B101	128,000	10.9	Iron
041M150301	223,000	40.9	Iron
041M160301	39,500	8.1	Iron
041M63A301	5,000	16.3	Barium
041MW20101	808	11.5	Barium
041M04D201	39,400	9	Iron
041M04D101	31,500	6.4	Iron

Phase III Iron vs. Barium:

Figure 9 provides the series plot of Phase III iron vs. barium "raw data" (all detected data extracted from the data set), and Figure 10 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.



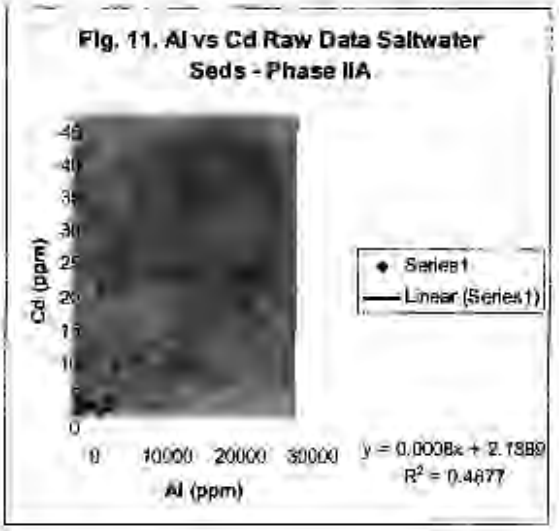


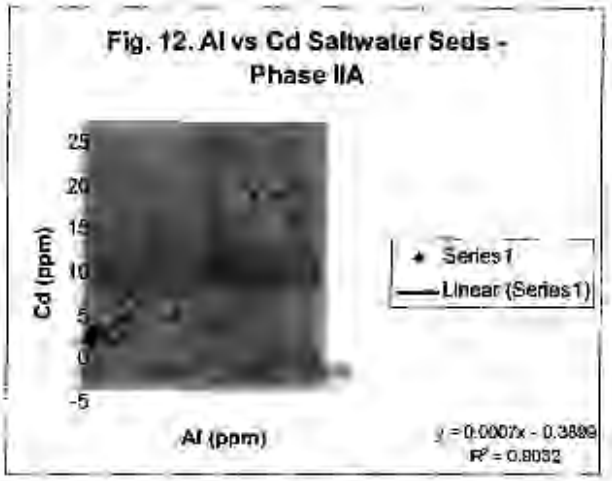
The following Phase III samples were identified as outliers:

Outliers	Iron (mg/kg)	Barium (mg/kg)	High Parameter
041M188101	20,800	1.8	Iron
041M160301	17,000	4.7	Iron
041M641102	33,000	18	Iron
041M640702	190	6.9	Barium

Phase II Aluminum vs. Cadmium:

Figure 11 provides the series plot of Phase II aluminum vs. cadmium "raw data" (all detected data extracted from the data set), and Figure 12 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.





The following samples were identified as outliers:

Sample	Aluminum (mg/kg)	Cadmium (mg/kg)	High Parameter
041M640301	11,200	38.6	Cadmium
041M640501	3,710	18.5	Cadmium
041M640201	3,770	18.9	Cadmium
041M640601	2,410	8.8	Cadmium
041M04D201	14,700	3.7	Aluminum
041M641101	17,300	20.1	Cadmium

Phase III Aluminum vs. Cadmium:

Figure 13 provides the series plot of Phase III aluminum vs. cadmium "raw data" (all detected data extracted from the data set), and Figure 14 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 13. Al vs Cd Raw Data Saltwater Seds - Phase IIB/III

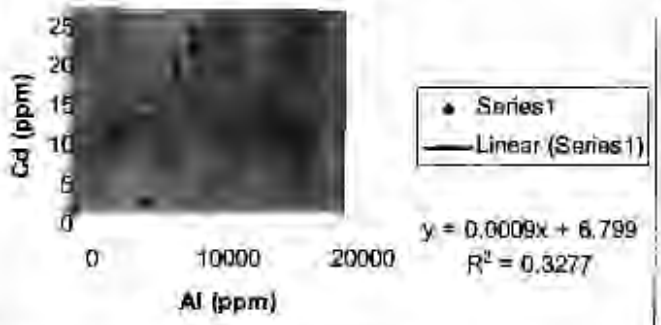
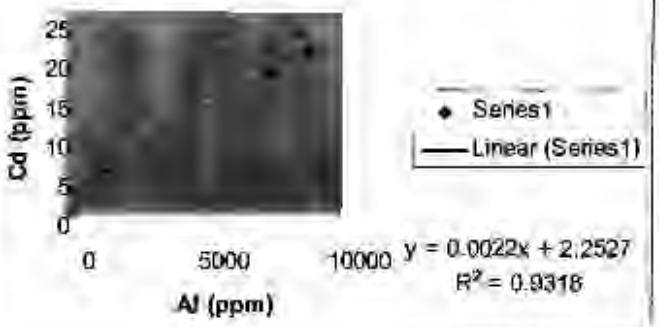


Fig. 14. Al vs Cd Saltwater Seds - Phase IIB/III



The following samples were identified as Phase III outliers:

Outliers	Aluminum (mg/kg)	Cadmium (mg/kg)	High Parameter
041M160301	5,320	0.91	Aluminum
041M641102	18,000	15	Aluminum

Phase II Iron vs. Cadmium:

Figure 15 provides the series plot of Phase II iron vs. cadmium "raw data" (all detected data extracted from the data set), and Figure 16 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 15. Fe vs Cd Raw Data Saltwater Seds - Phase IIA

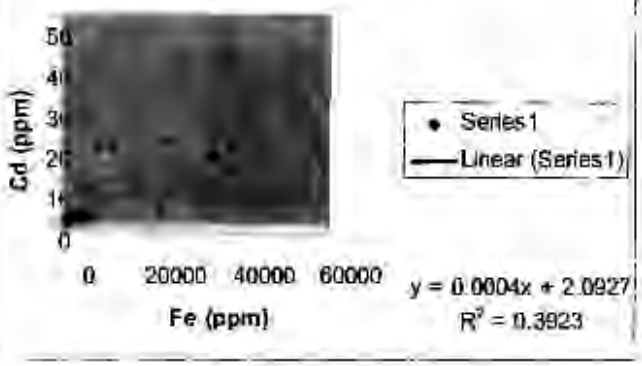
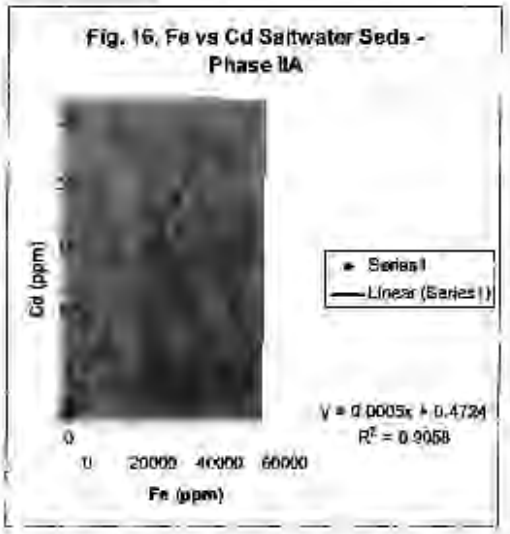


Fig. 16. Fe vs Cd Saltwater Seds - Phase IIA

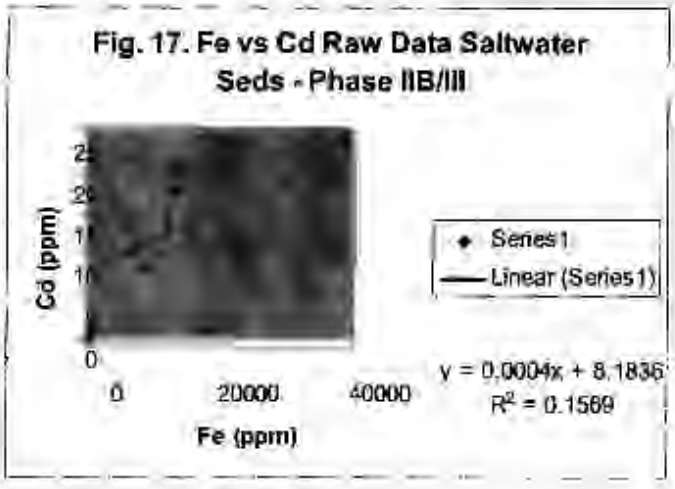


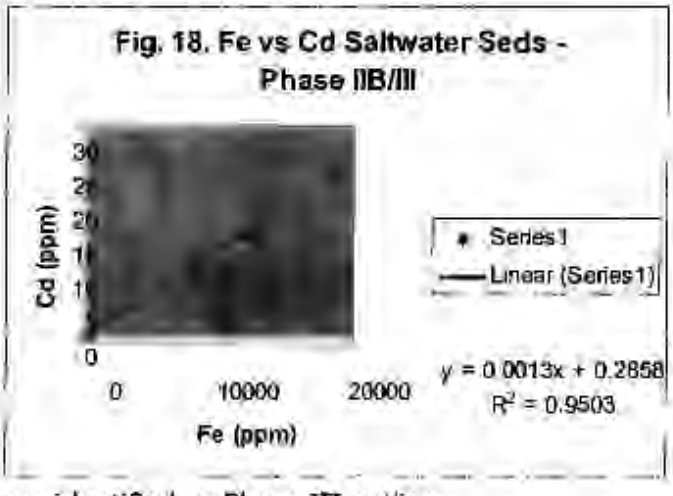
The following Phase II samples were identified as outliers:

Sample	Iron (mg/kg)	Cadmium (mg/kg)	High Parameter
041M640301	25,900	38.6	Cadmium
041M640201	7,340	18.9	Cadmium
041M160301	39,500	8.5	Iron
041M640501	10,500	18.5	Cadmium
041M641101	24,100	20.1	Cadmium
041M04D201	39,400	3.7	Iron
041M04D101	31,500	3.5	Iron
041M04D401	21,800	2.8	Iron

Phase III Iron vs. Cadmium:

Figure 17 provides the series plot of Phase III Iron vs. cadmium "raw data" (all detected data extracted from the data set), and Figure 18 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.



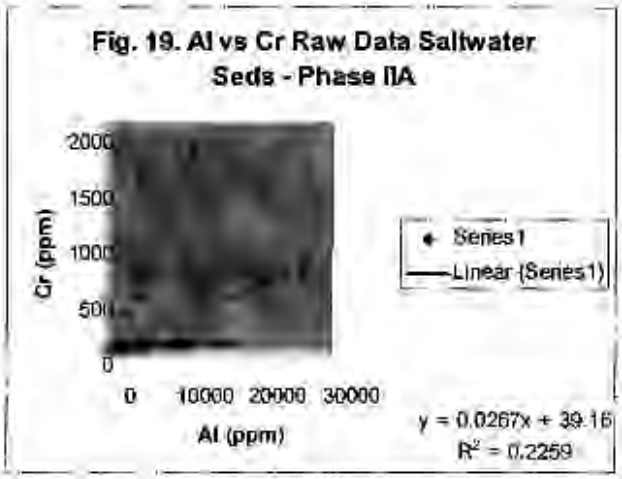


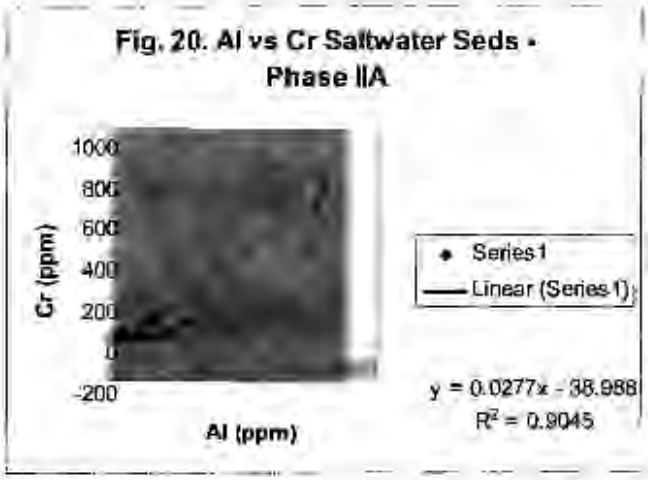
The following samples were identified as Phase III outliers:

Sample	Iron (mg/kg)	Cadmium (mg/kg)	High Parameter
041M641102	33,000	15	Iron
041M160301	17,000	0.91	Iron
041M640601	12,100	21	Cadmium

Phase II Aluminum vs. Chromium:

Figure 19 provides the series plot of Phase II aluminum vs. chromium "raw data" (all detected data extracted from the data set), and Figure 20 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.





The following samples were identified as Phase II outliers:

Sample	Aluminum (mg/kg)	Chromium (mg/kg)	High Parameter
041M640301	11,200	1,800	Chromium
041M640401	5,350	1,610	Chromium
041M640201	3,770	1,600	Chromium
041M640501	3,710	466	Chromium
041M640601	2,410	324	Chromium
041M150201	15,800	45.7	Aluminum
041M150101	9,350	14.3	Aluminum
041M641101	17,300	659	Chromium
041M04D201	14,700	65.5	Aluminum
041M04D101	11,600	70.2	Aluminum
041M18B101	11,100	66.2	Aluminum

Phase III Aluminum vs. Chromium:

Figure 21 provides the series plot of Phase III aluminum vs. chromium "raw data" (all detected data extracted from the data set), and Figure 22 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 21. Al vs Cr Raw Data Saltwater Seds - Phase IIB/III

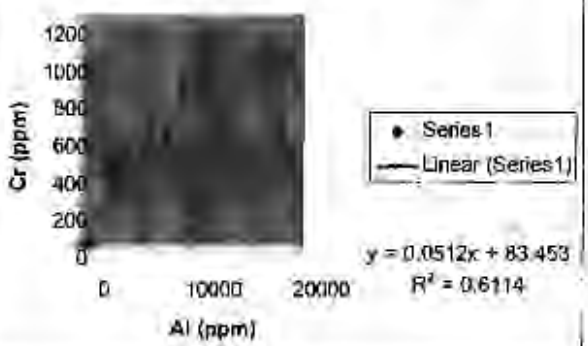
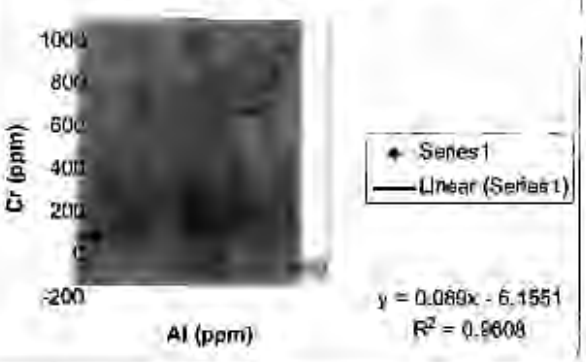


Fig. 22. Al vs Cr Saltwater Seds - Phase IIB/III

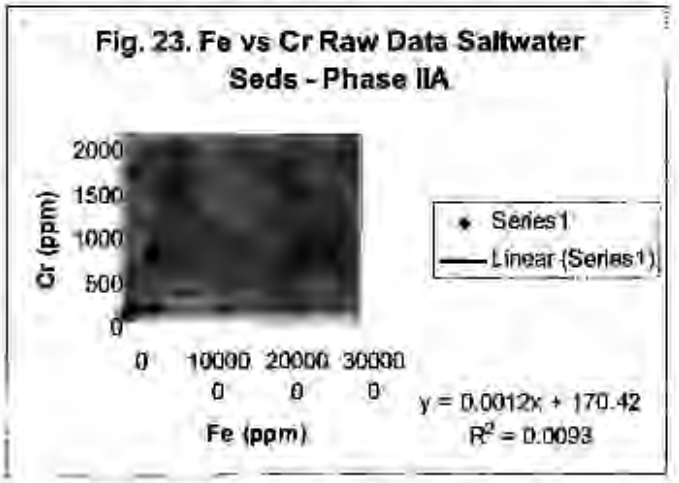


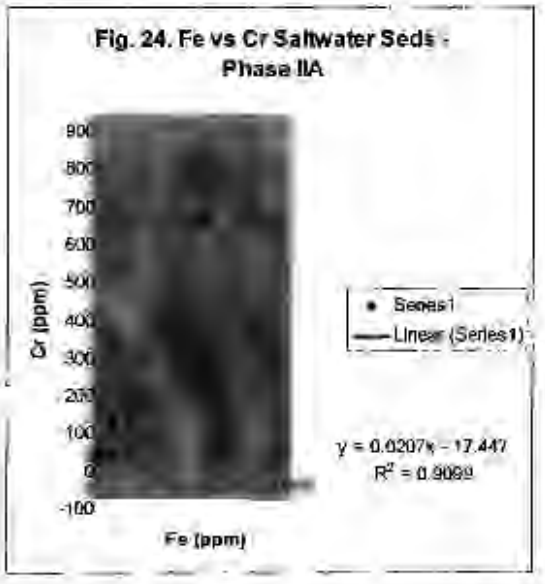
The following samples were identified as Phase III outliers:

Outliers	Aluminum (mg/kg)	Chromium (mg/kg)	High Parameter
041M641102	18,000	630	Aluminum
041M160301	5,320	24.6	Aluminum

Phase II Iron vs. Chromium:

Figure 23 provides the series plot of Phase II Iron vs. chromium "raw data" (all detected data extracted from the data set), and Figure 24 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.



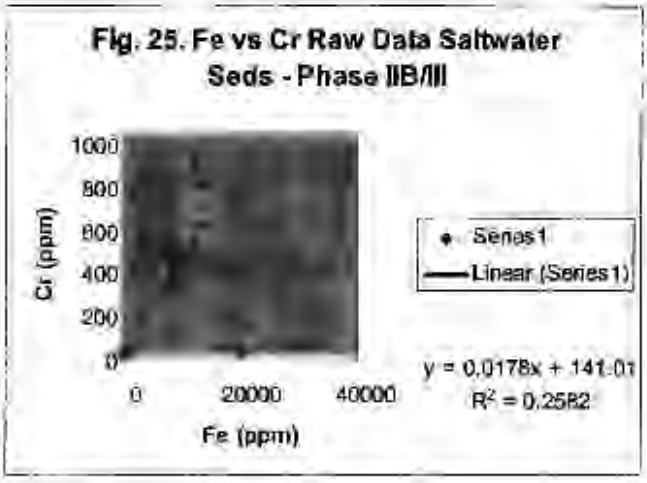


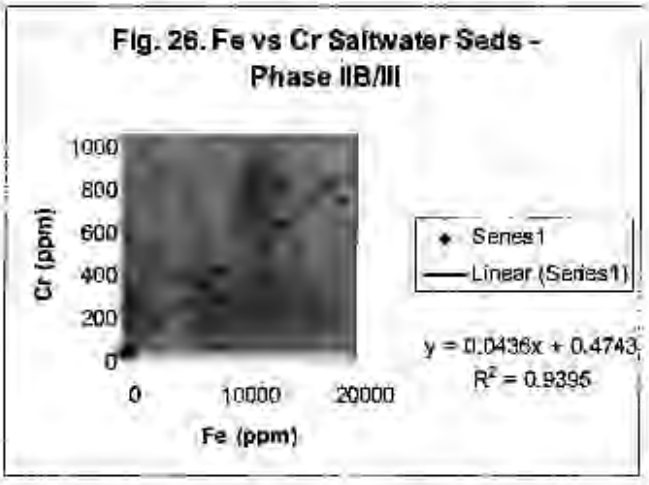
The following samples were identified as Phase II outliers:

Outliers	Iron (mg/kg)	Chromium (mg/kg)	High Parameter
041M150301	223,000	37.7	Iron
041M18B101	128,000	66.2	Iron
041M640301	25,900	1,800	Chromium
041M640201	7,340	1,600	Chromium
041M640401	2,790	1,610	Chromium
041M150201	37,600	45.7	Iron
041M160301	39,500	78.4	Iron
041M640501	10,500	466	Chromium
041M04D201	39,400	65.5	Iron
041M04D101	31,500	70.2	Iron
041M04D401	21,800	43.5	Iron

Phase III Iron vs. Chromium:

Figure 25 provides the series plot of Phase III Iron vs. chromium "raw data" (all detected data extracted from the data set), and Figure 26 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.





The following samples were identified as Phase III outliers:

Outliers	Iron (mg/kg)	Chromium (mg/kg)	High Parameter
041M18B101	20,800	3.6	Iron
041M160301	17,000	24.6	Iron
041M641102	33,000	630	Iron
041M640601	12,100	868	Chromium

Phase II Aluminum vs. Copper:

Figure 27 provides the series plot of Phase II aluminum vs. copper "raw data" (all detected data extracted from the data set), and Figure 28 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 27. Al vs Cu Raw Data Saltwater Seds - Phase IIA

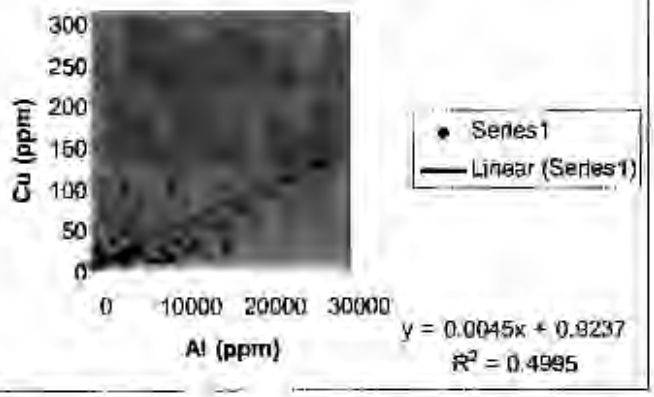
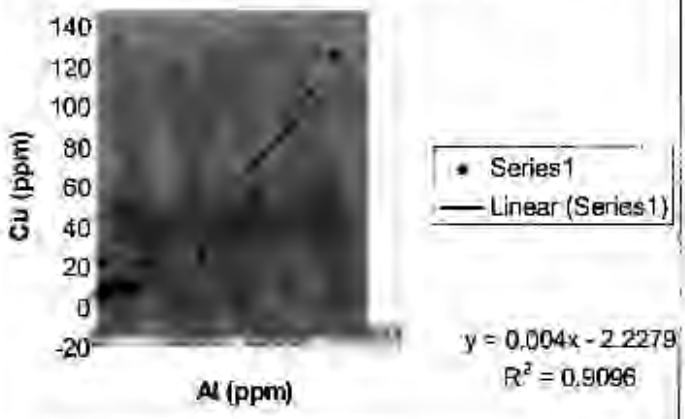


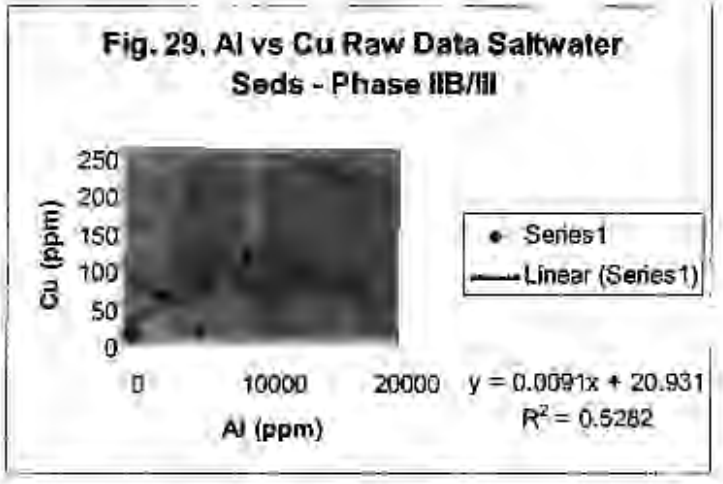
Fig. 28. Al vs Cu Saltwater Seds - Phase IIA

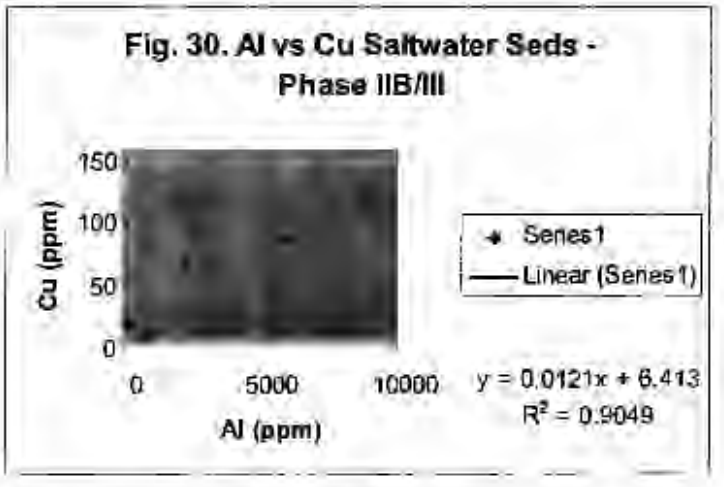


The following samples were identified as Phase II outliers:

Outliers	Aluminum (mg/kg)	Copper (mg/kg)	High Parameter
041M640301	11,200	255	Copper
041M640501	3,710	88.6	Copper
041M160301	8,880	90.8	Copper
041M150201	15,800	20.2	Aluminum
041M641001	25,600	140	Copper
041M150101	9,350	8.5	Aluminum
041M150401	7,980	5.5	Aluminum
041M640201	3,770	39.8	Copper

Phase III Aluminum vs. Copper:
Figure 29 provides the series plot of Phase III aluminum vs. copper "raw data" (all detected data extracted from the data set), and Figure 30 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.





The following samples were identified as Phase III outliers:

Outliers	Aluminum (mg/kg)	Copper (mg/kg)	High Parameter
041M641102	18,000	120	Aluminum
041M160301	5,320	16	Aluminum
041M640502	8,600	200	Copper
041M640501	7,600	146	Copper

Phase II Iron vs. Copper:

Figure 31 provides the series plot of Phase II Iron vs. copper "raw data" (all detected data extracted from the data set), and Figure 32 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.

Fig. 31. Fe vs Cu Raw Data Saltwater Seds - Phase IIA

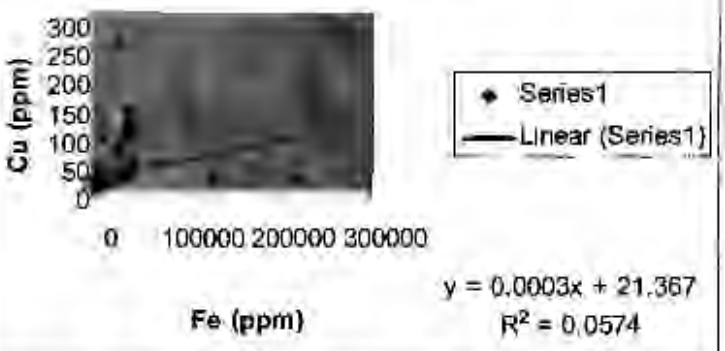
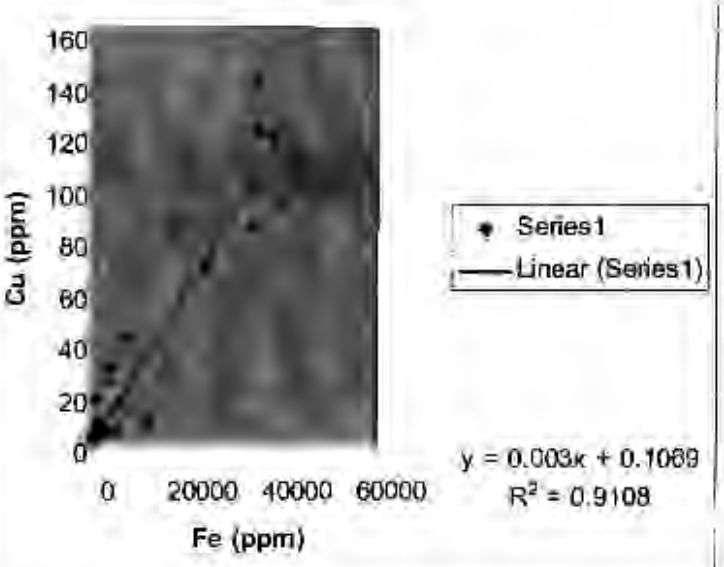


Fig. 32. Fe vs Cu Saltwater Seds - Phase IIA

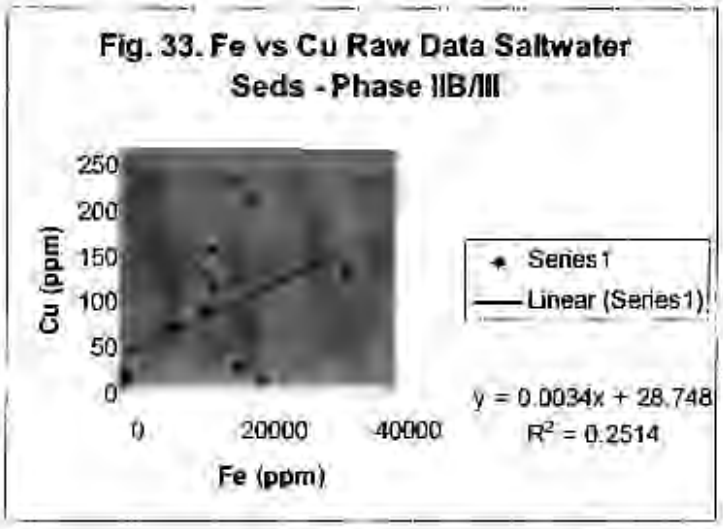


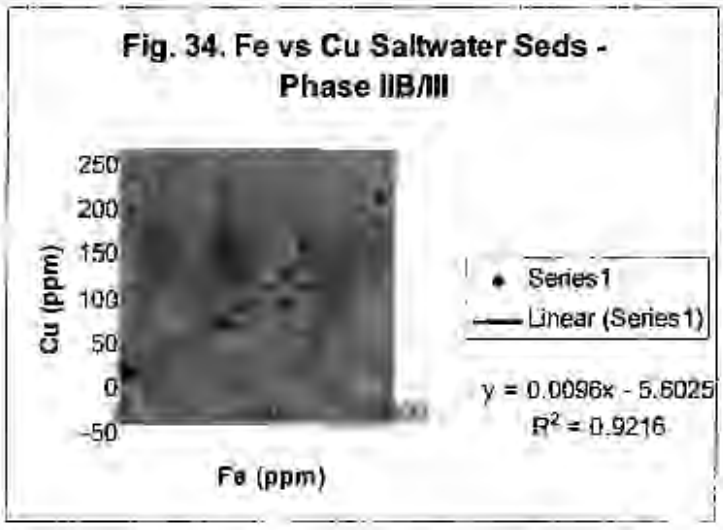
The following samples were identified as Phase II outliers:

Sample	Iron (mg/kg)	Copper (mg/kg)	High parameter
041M150301	223,000	18.9	Iron
041M18B101	128,000	17.9	Iron
041M640301	25,900	255	Copper
041M150201	37,600	20.2	Iron
041M640501	10,500	88.6	Copper
041M04D101	31,500	21.3	Iron
041M04D201	39,400	45.8	Iron
041M04D401	21,800	27	Iron

Phase III Iron vs. Copper:

Figure 33 provides the series plot of Phase III iron vs. copper "raw data" (all detected data extracted from the data set), and Figure 34 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination for each case.



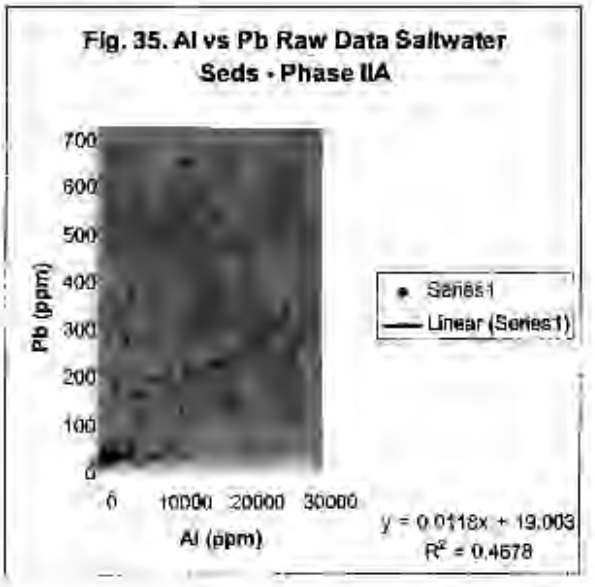


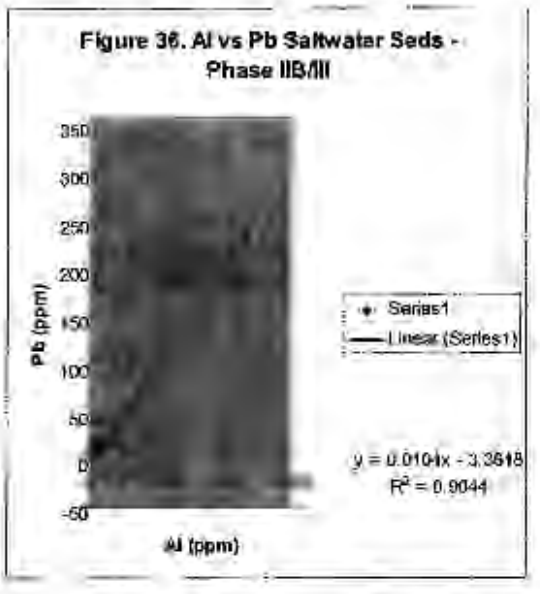
The following samples were identified as Phase III outliers:

Sample	Iron (mg/kg)	Copper (mg/kg)	High parameter
041M188101	20,800	1.7	Iron
041M160301	17,000	16	Iron
041M641102	33,000	120	Iron

Phase II Aluminum vs. Lead:

Figure 35 provides the series plot of Aluminum vs. lead "raw data" (all detected data extracted from the data set), and Figure 36 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.

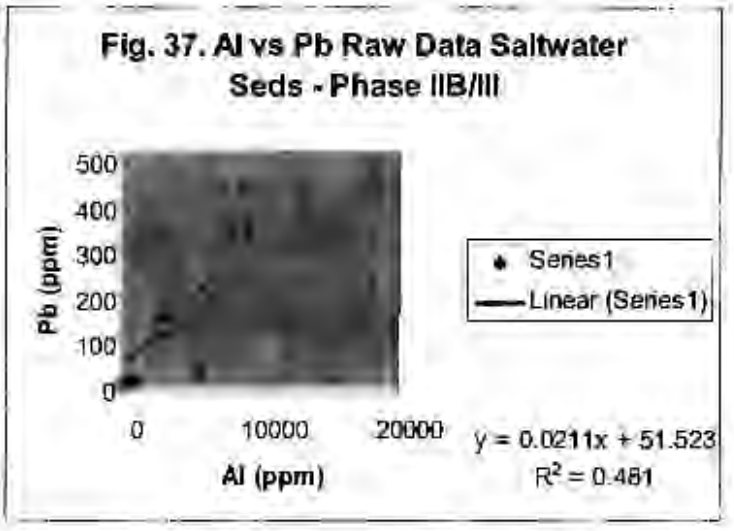


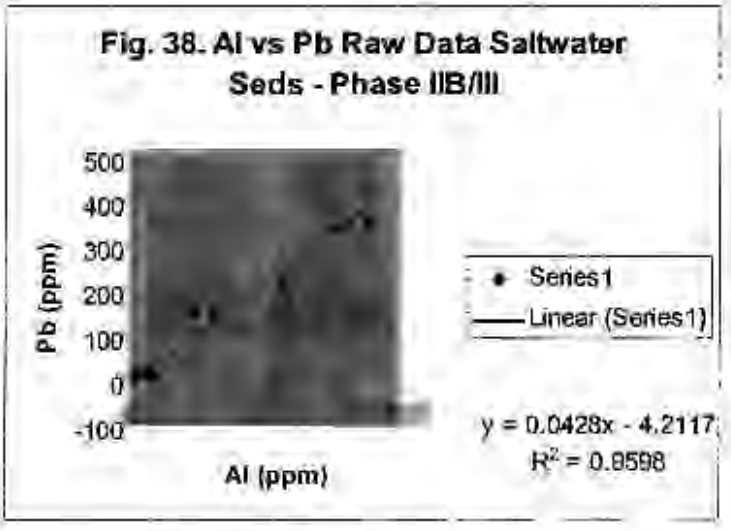


The following samples were identified as Phase II outliers:

Outliers	Aluminum (mg/kg)	Lead (mg/kg)	High Parameter
041M640301	11,200	634	Lead
041M640201	3,770	346	Lead
041M640501	3,710	262	Lead
041M640601	2,410	156	Lead
041M150301	7,810	174	Lead
041M160301	8,880	182	Lead
041M640401	5,350	146	Lead
041M04D201	14,700	348	Lead
041M04D101	11,600	190	Lead

Phase III Aluminum vs. Lead:
Figure 37 provides the series plot of aluminum vs. lead "raw data" (all detected data extracted from the data set), and Figure 38 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.





The following samples were identified as Phase III outliers:

Sample	Aluminum (mg/kg)	Lead (mg/kg)	High parameter
041M641102	18,000	210	Aluminum
041M160301	5,320	29.4	Aluminum

Phase II Iron vs. Lead:

Figure 39 provides the series plot of iron vs. lead "raw data" (all detected data extracted from the data set), and Figure 40 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.

Fig. 39. Fe vs Pb Raw Data Saltwater Seds - Phase IIA

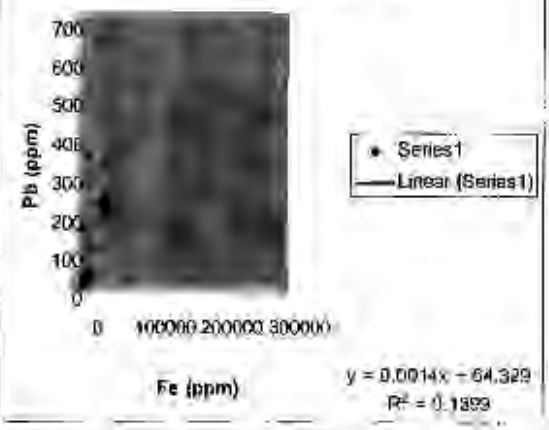
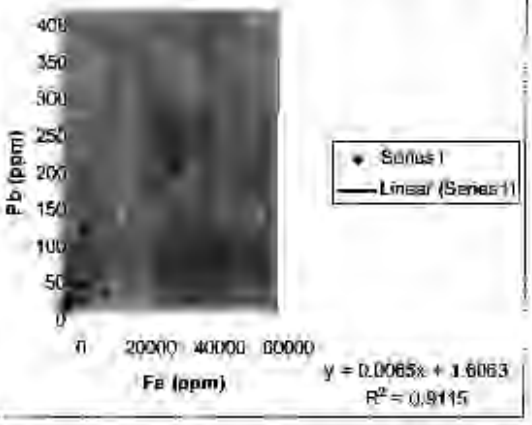


Fig. 40. Fe vs Pb Saltwater Seds - Phase IIA

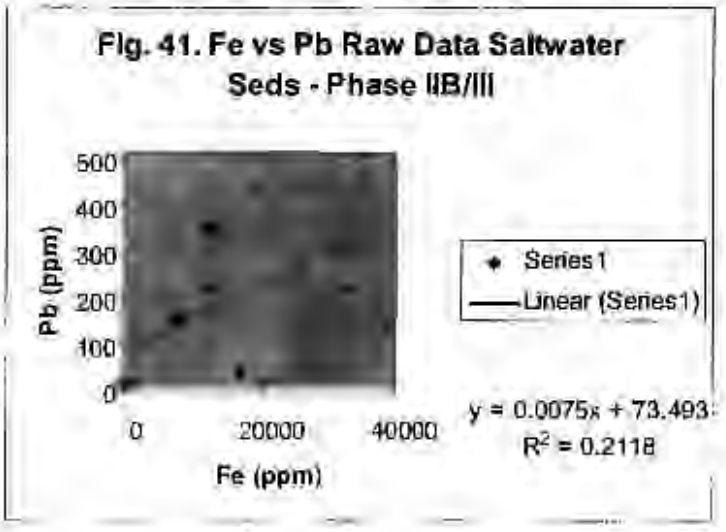


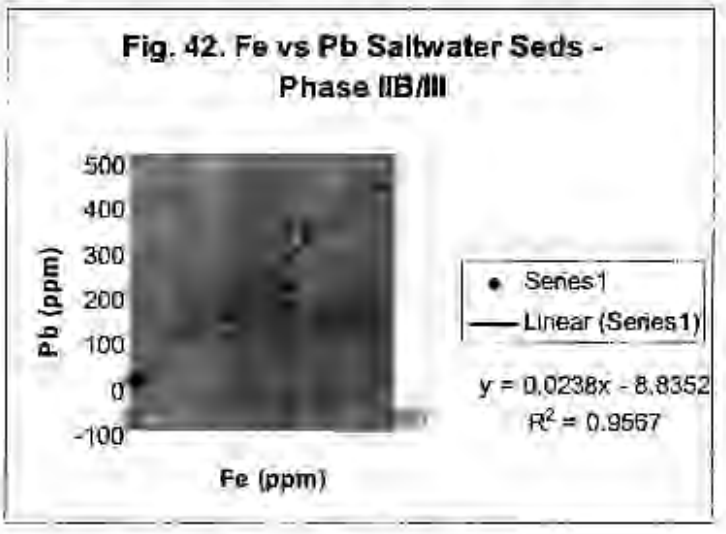
The following samples were identified as Phase II outliers:

Outliers	Iron (mg/kg)	Lead (mg/kg)	High parameter
041M150301	223,000	174	Iron
041M18B101	128,000	111	Iron
041M640301	25,900	634	Lead
041M640201	7,340	346	Lead
041M640501	10,500	262	Lead
041M640601	3,810	156	Lead
041M640401	2,790	146	Lead
041M641001	34,600	324	Lead

Phase III Iron vs. Lead:

Figure 41 provides the series plot of iron vs. lead "raw data" (all detected data extracted from the data set), and Figure 42 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.



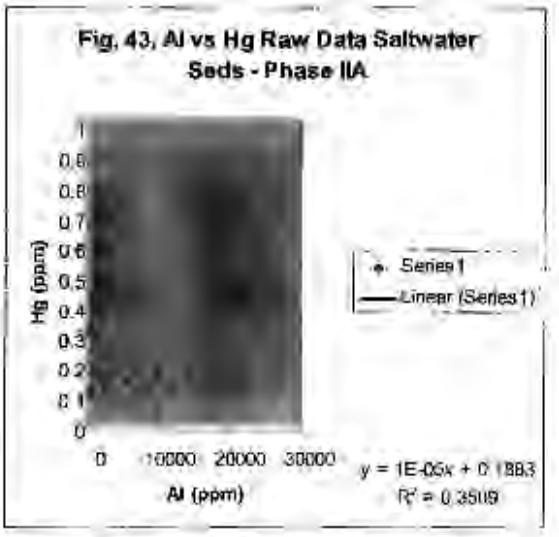


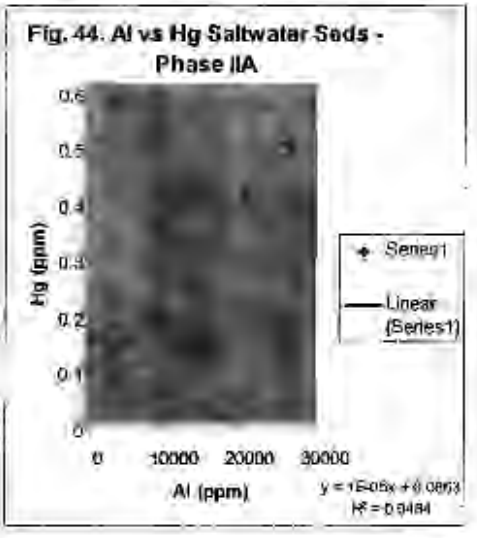
The following samples were identified as Phase III outliers:

Outliers	Iron (mg/kg)	Lead (mg/kg)	High parameter
041M16B101	20,800	5.9	Iron
041M641102	33,000	210	Iron
041M160301	17,000	29.4	Iron

Phase II Aluminum vs. Mercury:

Figure 43 provides the series plot of aluminum vs. mercury "raw data" (all detected data extracted from the data set), and Figure 44 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.





The following samples were identified as Phase II outliers:

Sample	Aluminum (mg/kg)	Mercury (mg/kg)	High Parameter
041M640301	11,200	0.88	Mercury
041M640401	5,350	0.43	Mercury
041M641901	26,100	0.66	Mercury
041M160301	8,880	0.41	Mercury
041M642401	28.9	0.3	Mercury
041M04D101	11,600	0.12	Aluminum
041M640501	3,710	0.27	Mercury

Phase III Aluminum vs. Mercury:

Figure 45 provides the series plot of aluminum vs. mercury "raw data" (all detected data extracted from the data set), and Figure 46 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.

Fig. 45. Al vs Hg Raw Data Saltwater Seds - Phase IIB/III

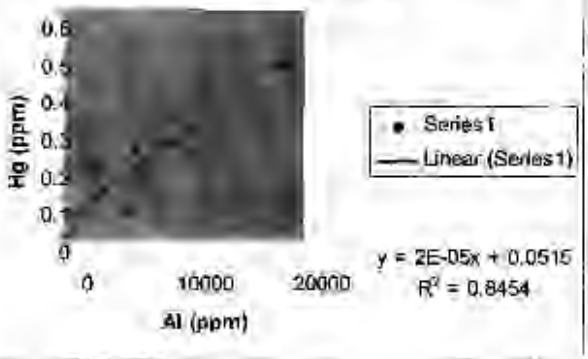
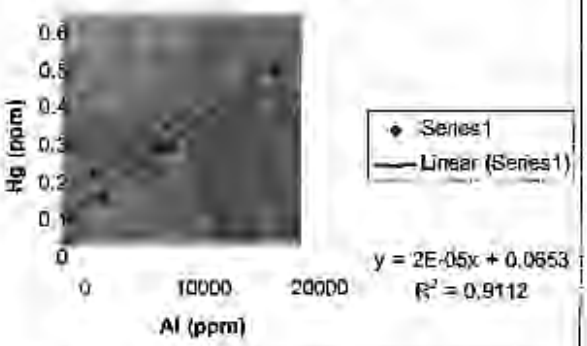


Fig. 46. Al vs Hg Saltwater Seds - Phase IIB/III

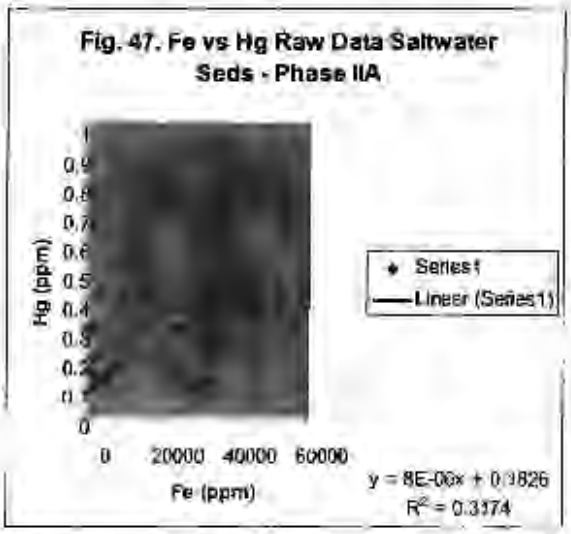


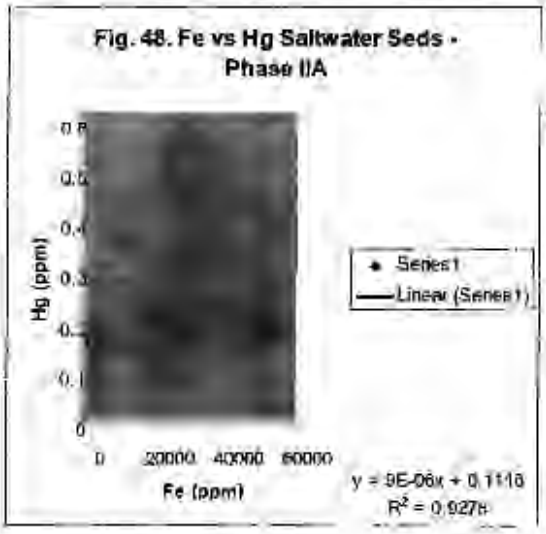
The following samples were identified as Phase III outliers:

Sample	Aluminum (mg/kg)	Mercury (mg/kg)	High parameter
041M160301	5,320	0.07	Aluminum

Phase II Iron vs. Mercury:

Figure 47 provides the series plot of iron vs. mercury "raw data" (all detected data extracted from the data set), and Figure 48 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.

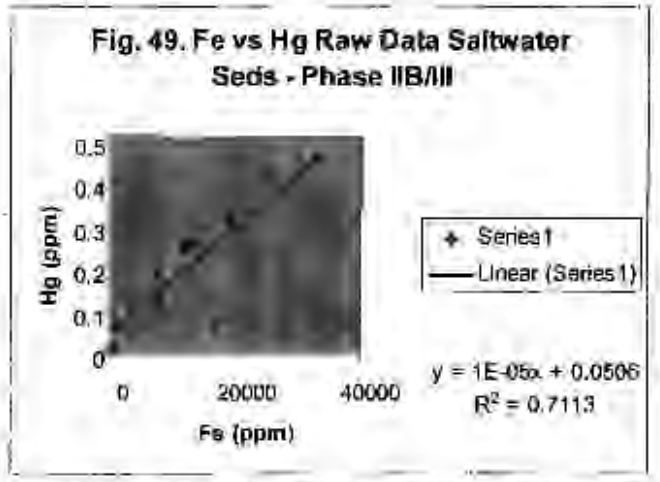


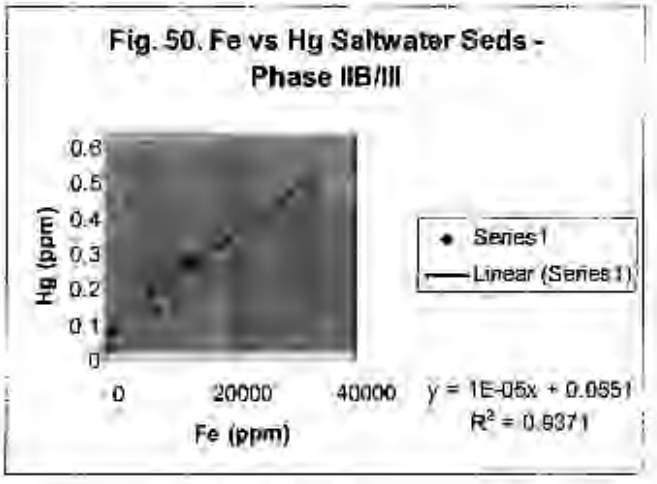


The following samples were identified as Phase II outliers:

Outliers	Iron (mg/kg)	Mercury (mg/kg)	High parameter
041M640301	25,900	0.88	Mercury
041M640401	2,790	0.43	Mercury
041M641901	35,000	0.66	Mercury
041M642401	26	0.3	Mercury
041M04D101	31,500	0.12	Iron
041M04D401	21,800	0.16	Iron

Phase III Iron vs. Mercury:
Figure 49 provides the series plot of Iron vs. mercury "raw data" (all detected data extracted from the data set), and Figure 50 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.



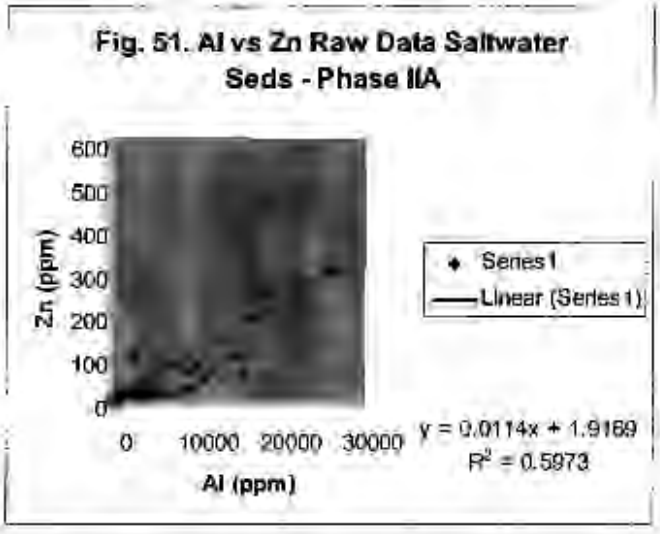


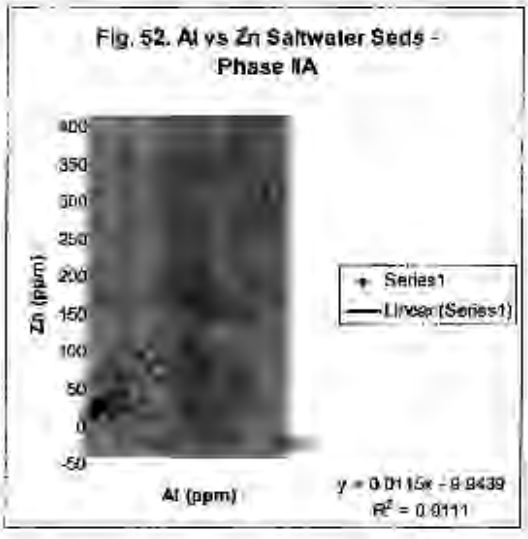
The following samples were identified as Phase III outliers:

Sample	Iron (mg/kg)	Mercury (mg/kg)	High parameter
041M160301	17,000	0.07	Iron

Phase II Aluminum vs. Zinc:

Figure 51 provides the series plot of aluminum vs. zinc "raw data" (all detected data extracted from the data set), and Figure 52 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.



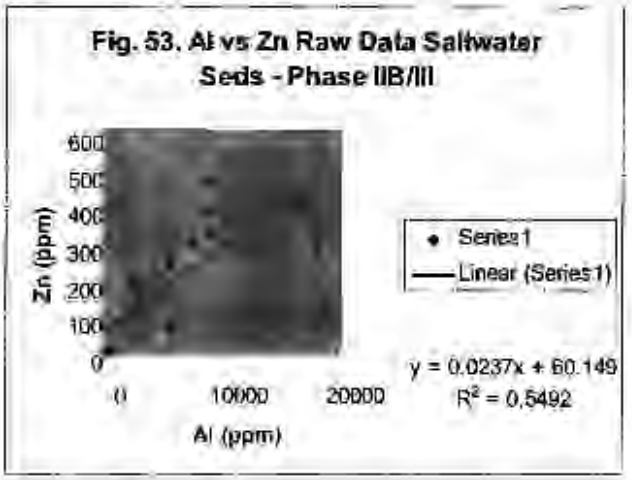


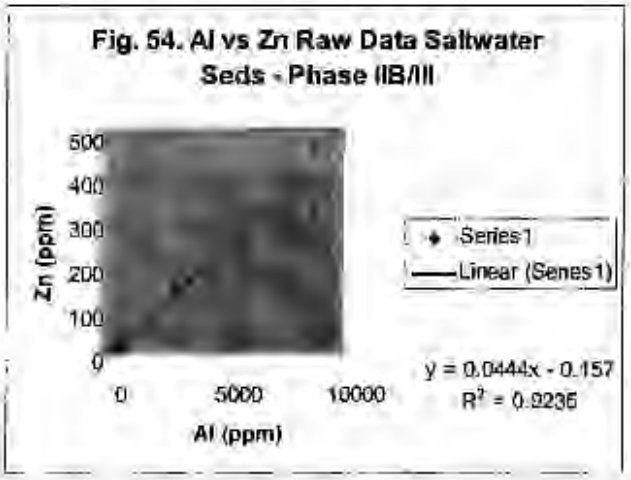
The following samples were identified as Phase II outliers:

Outliers	Aluminum (mg/kg)	Zinc (mg/kg)	High Parameter
041M640301	11,200	481	Zinc
041M640501	3,710	290	Zinc
041M640201	3,770	145	Zinc
041M150201	15,800	59.9	Aluminum
041M640601	2,410	105	Zinc
041M150101	9,350	26.3	Aluminum

Phase III Aluminum vs. Zinc:

Figure 53 provides the series plot of aluminum vs. zinc "raw data" (all detected data extracted from the data set), and Figure 54 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.



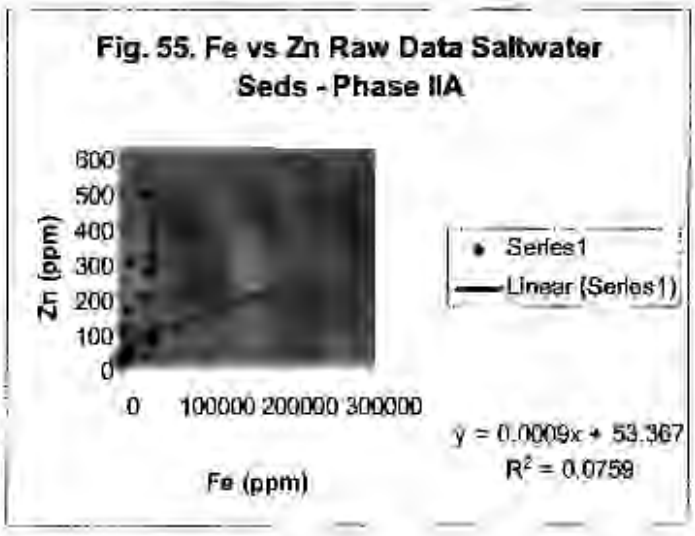


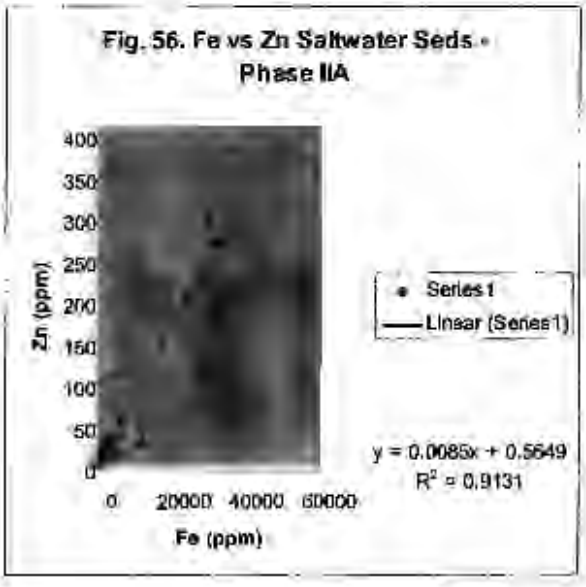
The following samples were identified as Phase III outliers:

Sample	Aluminum (mg/kg)	Zinc (mg/kg)	High parameter
041M641102	18,000	290	Aluminum
041M160301	5,320	68.5	Aluminum

Phase II Iron vs. Zinc:

Figure 55 provides the series plot of iron vs. zinc "raw data" (all detected data extracted from the data set), and Figure 56 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.



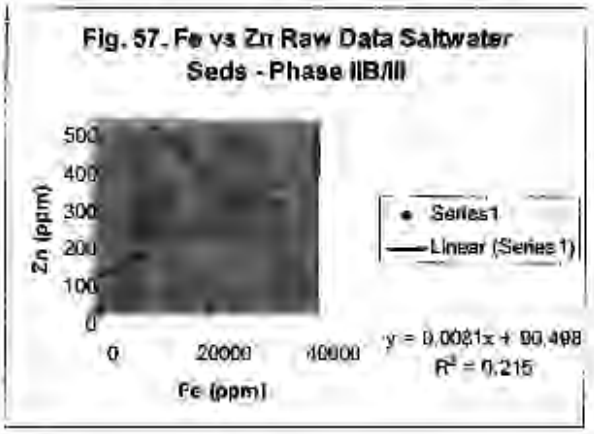


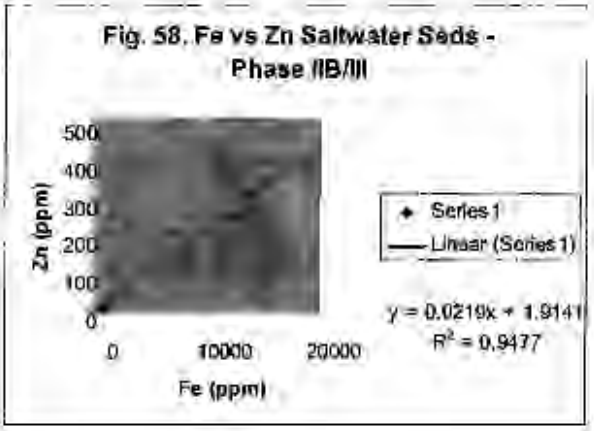
The following samples were identified as Phase II outliers:

Outliers	Iron (mg/kg)	Aluminum (mg/kg)	High parameter
041M150301	223,000	83.6	Iron
041M18B101	128,000	49.3	Iron
041M160301	39,500	68.5	Iron
041M150201	37,600	59.9	Iron
041M640301	25,900	481	Zinc
041M640501	10,500	290	Zinc
041M04D201	39,400	102	Iron
041M04D101	31,500	70.6	Iron
041M04D401	21,800	77.5	Iron

Phase III Iron vs. Zinc:

Figure 57 provides the series plot of iron vs. zinc "raw data" (all detected data extracted from the data set), and Figure 58 provides the finished linear regression analysis with outliers removed. Both figures also include the regression equation and the coefficient of determination.





The following samples were identified as Phase III outliers:

Sample	Iron (mg/kg)	Zinc (mg/kg)	High parameter
041M188101	20,800	5.7	Iron
041M160301	17,000	68.5	Iron
041M641102	33,000	290	Iron
041M640401	13,600	468	Iron

ANALYSIS

Tables 1 through 4 present a summary of regression analysis of Phase II and III results for aluminum and iron versus specific inorganics.

Table 1
Phase II Outlier Samples and Enriched Parameters Identified through Regression Analysis as a Function of Aluminum Vs. a Specific Inorganic

Barium	Cadmium	Chromium	Copper	Lead	Mercury	Zinc
041M640301 (Ba)	041M640301 (Cd)	041M640301 (Cr)	041M640301 (Cu)	041M640301 (Pb)	041M640301 (Hg)	041M640301 (Zn)
041M150301 (Ba)	041M640501 (Cd)	041M640401 (Cr)	041M640501 (Cu)	041M640201 (Pb)	041M640401 (Hg)	041M640501 (Zn)
041M150101 (Ba)	041M640201 (Cd)	041M640201 (Cr)	041M160301 (Cu)	041M640501 (Pb)	041M641901 (Hg)	041M640201 (Zn)
041M640501 (Ba)	041M640601 (Cd)	041M640501 (Cr)	041M150201 (Al)	041M640601 (Pb)	041M160301 (Hg)	041M150201 (Al)
041M63A301 (Ba)	041M04D201 (Al)	041M640601 (Cr)	041M641001 (Cu)	041M150301 (Pb)	041M642401 (Hg)	041M640601 (Zn)
	041M641101 (Cd)	041M150201 (Al)	041M150101 (Al)	041M160301 (Pb)	041M04D101 (Al)	041M150101 (Al)
		041M150101 (Al)	041M150401 (Al)	041M640401 (Pb)	041M640501 (Hg)	
		041M641101 (Cr)	041M640201 (Cu)	041M04D201 (Pb)		
		041M04D201 (Al)		041M04D101 (Pb)		
		041M04D101 (Al)				
		041M18B101 (Al)				

Table 2
Phase III Outlier Samples and Enriched Parameters Identified through Regression Analysis as a Function of Aluminum Vs. a Specific Inorganic

Barium	Cadmium	Chromium	Copper	Lead	Mercury	Zinc
041M641102 (Al)	041M160301 (Al)	041M641102 (Al)	041M641102 (Al)	041M641102 (Al)	041M160301 (Al)	041M641102 (Al)
041M160301 (Al)	041M641102 (Al)	041M160301 (Al)	041M160301 (Al)	041M160301 (Al)		041M160301 (Al)
			041M640502 (Cu)			
			041M640501 (Cu)			

Table 3
Phase II Outlier Samples and Enriched Parameters Identified Through Regression Analysis as a Function of Iron Vs. a Specific Inorganic

Barium	Cadmium	Chromium	Copper	Lead	Mercury	Zinc
041M640301 (Ba)	041M640301 (Cd)	041M150301 (Fe)	041M150301 (Fe)	041M150301 (Fe)	041M640301 (Hg)	041M150301 (Fe)
041M150101 (Ba)	041M640201 (Cd)	041M18B101 (Fe)	041M18B101 (Fe)	041M18B101 (Fe)	041M640401 (Hg)	041M18B101 (Fe)
041M18B101 (Fe)	041M160301 (Fe)	041M640301 (Cr)	041M640301 (Cu)	041M640301 (Pb)	041M641901 (Hg)	041M160301 (Fe)
041M150301 (Fe)	041M640501 (Cd)	041M640201 (Cr)	041M150201 (Fe)	041M640201 (Pb)	041M642401 (Hg)	041M150201 (Fe)
041M160301 (Fe)	041M641101 (Cd)	041M640401 (Cr)	041M640501 (Cu)	041M640501 (Pb)	041M04D101 (Fe)	041M640301 (Zn)
041M63A301 (Ba)	041M04D201 (Fe)	041M150201 (Fe)	041M04D201 (Fe)	041M640601 (Pb)	041M04D401 (Fe)	041M640501 (Zn)
041MW20101 (Ba)	041M04D101 (Fe)	041M160301 (Fe)	041M04D101 (Fe)	041M640401 (Pb)		041M04D201 (Fe)
041M04D101 (Fe)	041M04D401 (Fe)	041M640501 (Cr)	041M04D401 (Fe)	041M641001 (Pb)		041M04D101 (Fe)
041M04D201 (Fe)		041M04D201 (Fe)				041M04D401 (Fe)
		041M04D101 (Fe)				
		041M04D401 (Fe)				

Table 4
Phase III Outlier Samples and Enriched Parameters Identified Through Regression Analysis as a Function of Iron Vs. a Specific Inorganic

Barium	Cadmium	Chromium	Copper	Lead	Mercury	Zinc
041M18B101 (Fe)	041M641102 (Fe)	041M18B101 (Fe)	041M18B101 (Fe)	041M18B101 (Fe)	041M160301 (Fe)	041M18B101 (Fe)
041M160301 (Fe)	041M160301 (Fe)	041M160301 (Fe)	041M160301 (Fe)	041M641102 (Fe)		041M160301 (Fe)
041M641102 (Fe)	041M640601 (Cd)	041M641102 (Fe)	041M641102 (Fe)	041M160301 (Fe)		041M641102 (Fe)
041M640702 (Ba)		041M640601 (Cr)				041M640401 (Fe)

Aluminum — Phase II:
Outliers associated with respect to aluminum were identified in wetlands 4D, 64, 15, 63A, 4D, and 18B (see Tables 1 and 2, aluminum with respect to specific inorganics).

Wetland 64:
Of 24 sediment samples collected, eight fell out as outliers during the regression analysis. The locations of outliers in this wetland are primarily located in the southern portion (02, 03, 04, 05, and 06); isolated occurrences are noted on the western margin (10, 19) and the eastern margin (24). The majority of these locations show enrichment in the criterion parameters; location 10 shows enrichment only with respect to aluminum. The close accumulation of those outlier locations in the southern portion coincides with the fresh/saltwater mixing zone of this estuarine system. The occurrence of these outliers can be explained through the process of metals enrichment in the sediment through flocculation and hydrodynamics. The increase in salinity as freshwater meets the more saline water causes flocculation of those colloids and ultimately deposition of them on the wetland bottom. Additionally, the loss of energy as freshwater exits the channelized portion of Wetland 6 and enters Wetland 64 allows the entrained sediment load to drop out of the water column. Hydrodynamics may also play a role in the distribution of the other noted outliers as well, as they fall in the relatively lower energy regime around the perimeter of Wetland 64. The provenance of the outliers may be related to any of the IR sites (encompassing OU2) along the drainage path of Wetlands 5, 5A, 6, and 64.

Wetland 15:
This wetland lies adjacent to Bayou Grande on the north side of Site 1, the former municipal and industrial waste landfill for NAS Pensacola. Only four samples were collected in this wetland during Phase II, and all four fell out as outliers during the regression analysis. Locations 1, 2, and 4 were enriched with respect to aluminum; location 1 and 3 were enriched with respect to barium and lead, respectively. Groundwater typically discharges from the south into this wetland prior to exiting to Bayou Grande, a trend that may be reversed during storm tides. Groundwater discharge into the wetland is the only source of surface water replenishment. Locations 1 and 3 (those enriched with respect to a criterion parameter) are located in the most upgradient portion of the wetland, closest to the most likely area of groundwater discharge. Similar to Wetland 64, it is likely that groundwater laden with metals has discharged to the wetland, and flocculated as saline waters mixed with the fresh water, resulting in metals enrichment in the sediment. Site 1 is the likely source.

Wetland 16:
This wetland lies adjacent to Bayou Grande on the north side of Site 1, the former municipal and industrial waste landfill for NAS Pensacola. Of the four samples collected in this wetland, only one (03) fell out as an outlier (with respect to mercury). Given the physical and hydrogeological setting of Wetland 16 (immediately adjacent to Bayou Grande, groundwater discharge area), the mechanism of occurrence and source of the outlier is identical to that described for Wetland 15 above.

Wetland 63A:
This wetland is located on the far eastern edge of NAS Pensacola, bordering Pensacola Bay. It is immediately adjacent to the southern edge of the former IR site 14 (Dredge Spoil Area). Typical hydrologic conditions are such that groundwater discharges to this wetland from a westward direction. Of the five samples collected, only one (A3) fell out as an outlier (with regard to barium). The distribution of barium in natural waters is commonly influenced by adsorption onto metallic oxides and hydroxides, and it is commonly found in association with manganese oxides in freshwaters (Hem, 1986). Given the relatively high concentrations of manganese occurring naturally in NAS Pensacola groundwater, barium is likely to be naturally related to flocculation from discharged groundwater, and not directly correlated to an IR site.

Wetland 4D:
Wetland 4D is located on the northern shore of NAS Pensacola, bordering Bayou Grande. It lies northeast of IR Site 1 and northwest of IR site 15. It receives direct surface water discharge from Wetland 3 (that receives groundwater discharge from IR Site 1) via a connecting culvert, and groundwater discharge from upgradient areas, including the NAS Pensacola golf course and likely including some side gradient residuals from Sites 1 and 15. The wetland itself consists of a relatively large body of water configured such that there are likely two regimes within it: an upgradient section tending more towards freshwater, and a downgradient section adjacent to the Bayou tending more towards brackish water. Two locations (1 and 2) were identified as outliers — in most instances these locations were enriched with respect to aluminum, but they were alsoenriched with respect to lead. Aluminum is a very common constituent in NAS Pensacola groundwater, and is a common constituent in wetland sediments that contain gibbsite-structure clays; it therefore is not considered a contaminant in this case. Both locations 1 and 2 are located in the more upgradient section of the wetland, and may be related to discharge from Wetland 3 (and by association Site 1).

Wetland 18B:
Wetland 18B is located on the northwest corner of IR Site 1 and borders Redoubt Bayou. It receives groundwater discharge directly from Site 1. One location was identified an outlier (01) and was enriched with respect to aluminum when regressed against chromium. Again, aluminum is a common constituent in NAS Pensacola groundwater and sediments, and is not considered to be a contaminant.

Aluminum — Phase III:
Phase III outliers with respect to aluminum were identified in wetlands 64 and 16 (see Table 2, aluminum with respect to specific inorganics).

Wetland 64:
Three and seven locations were sampled in Phases III, respectively (two locations were resampled). Two locations (05 and 11) were identified as outliers with respect to aluminum. Location 11 consistently exhibited an enrichment of aluminum relative to other inorganics, while location 5 exhibited an enrichment of copper with respect to aluminum.

Wetland 16:
One location (03) was identified as an outlier; it consistently exhibited enrichment in aluminum with respect to other inorganics.

Iron — Phase II
Phase II outliers with respect to iron were identified in wetlands 15, 16, 18B, W2, 63A, 64, and 4D (see Table 3, iron with respect to specific inorganics).

Wetland 15:
Locations 01, 02, and 03 were identified as outliers. Location 01 exhibited enrichment with respect to barium — this matched well with the aluminum results. Location 02 exhibited enrichment with respect to iron versus chromium, copper, and zinc — this matched well with the aluminum results. Location 03 exhibited enrichment with respect to iron versus barium, chromium, copper, and zinc — aluminum results indicate enrichment with respect to lead. Iron is widespread in NAS Pensacola media, and is not considered a contaminant.

Wetland 16:
Location 03 exhibited enrichment with respect to barium, and an enrichment in iron with respect to cadmium, chromium, and zinc. These results differed from that indicated by aluminum regressions. Again, iron is widespread in NAS Pensacola media and is not regarded as contamination.

Wetland 18B:
Location 01 exhibited enrichment in iron with respect to barium, chromium, copper, and lead — this enrichment of iron with respect to chromium agrees with the aluminum regressions. Again, iron is widespread in NAS Pensacola media and is not regarded as contamination.

Wetland W2:
This wetland is located along the northeastern edge of Forrest Sherman Field, and follows the trace of the end of the field before emptying into Bayou Grande. It receives surface water discharge from the active airfield, and inferably groundwater discharge from the southern upgradient direction. The wetland is clearly channelized to permit efficient transfer of Location 01, located where the wetland bends to the north, exhibited enrichment with respect to barium; barium can be associated with manganese in natural waters, this may represent flocculation from NAS Pensacola groundwater, but is not inferred to represent contamination.

Wetland 63A:
Location 03 exhibited enrichment with respect to barium; again, barium can be associated with manganese in natural waters, this may represent flocculation from NAS Pensacola groundwater.

Wetland 64:
Location 03 exhibited enrichment with respect to all seven criterion parameters. Location 05 exhibited enrichment with respect to cadmium, chromium, copper, lead, and zinc; location 02 exhibited enrichment with respect to cadmium, chromium, and lead; and location 04 exhibited enrichment with respect to chromium, lead and mercury. Five locations exhibited an enrichment with respect to a single criterion parameter: 11 (cadmium), 06 (lead), 10 (lead), 19 (mercury), and 24 (mercury).

Wetland 4D:

Locations 01, 02, and 04 exhibited enrichment in iron with respect to several of the criterion parameters. Again, iron is widespread in NAS Pensacola media and is not regarded as contamination.

REFERENCE:

Hem, John D. 1986. Study and Interpretation of the Chemical Characteristics of Natural Water, 3rd edition, United States Geological Survey Water-Supply Paper 2254, 264pp

Appendix L

DiToro

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 2 Wetland: 1A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00010	1,1,1-Trichloroethane	6/29/1994	71556	6.50E+00	0.0363	2.36E+01	10	U	1.17E-05
001M00010	1,1,2,2-Tetrachloroethane	6/29/1994	79345	8.13E+00	0.0363	2.95E+01	10	U	9.33E-06
001M00010	1,1,2-Trichloroethane	6/29/1994	79005	6.24E+00	0.0363	2.27E+01	10	U	1.22E-05
001M00010	1,1-Dichloroethane	6/29/1994	75343		0.0363		10	U	
001M00010	1,1-Dichloroethene	6/29/1994	75354	4.65E+00	0.0363	1.69E+01	10	U	1.63E-05
001M00010	1,2-Dichloroethane	6/29/1994	107062	4.43E+00	0.0363	1.61E+01	10	U	1.71E-05
001M00010	1,2-Dichloroethene (total)	6/29/1994	540590	4.61E+00	0.0363	1.67E+01	10	U	1.65E-05
001M00010	1,2-Dichloropropane	6/29/1994	78875	5.26E+00	0.0363	1.91E+01	10	U	1.44E-05
001M00010	2-Butanone (MEK)	6/29/1994	78933	2.93E+00	0.0363	1.06E+01	10	U	2.59E-05
001M00010	2-Hexanone	6/29/1994	591786	4.43E+00	0.0363	1.61E+01	10	U	1.71E-05
001M00010	4-Methyl-2-Pentanone (MIBK)	6/29/1994	108101	4.38E+00	0.0363	1.59E+01	10	U	1.73E-05
001M00010	Acetone	6/29/1994	67641	1.34E+01	0.0363	4.86E+01	7	U	3.97E-06
001M00010	Benzene	6/29/1994	71432	6.46E+00	0.0363	2.35E+01	10	U	1.17E-05
001M00010	Bromodichloromethane	6/29/1994	75274		0.0363		10	U	
001M00010	Bromoform	6/29/1994	75252	1.22E+01	0.0363	4.42E+01	10	U	6.23E-06
001M00010	Bromomethane	6/29/1994	74839	4.03E+00	0.0363	1.46E+01	10	U	1.88E-05
001M00010	Carbon disulfide	6/29/1994	75150		0.0363		10	U	
001M00010	Carbon tetrachloride	6/29/1994	56235	7.73E+00	0.0363	2.81E+01	10	U	9.81E-06
001M00010	Chlorobenzene	6/29/1994	108907	5.59E+00	0.0363	2.03E+01	10	U	1.36E-05
001M00010	Chloroethane	6/29/1994	75003		0.0363		10	U	
001M00010	Chloroform	6/29/1994	67663	5.59E+00	0.0363	2.03E+01	10	U	1.36E-05
001M00010	Chloromethane	6/29/1994	74873	2.12E+00	0.0363	7.70E+00	10	U	3.58E-05
001M00010	cis-1,3-Dichloropropene	6/29/1994	10061015		0.0363		10	U	
001M00010	Dibromochloromethane	6/29/1994	124481		0.0363		10	U	
001M00010	Ethylbenzene	6/29/1994	100414	9.64E+00	0.0363	3.50E+01	10	U	7.88E-06
001M00010	Methylene chloride	6/29/1994	75092	3.73E+00	0.0363	1.35E+01	60	U	1.22E-04
001M00010	Styrene	6/29/1994	100425	9.18E+00	0.0363	3.33E+01	10	U	8.27E-06
001M00010	Tetrachloroethene	6/29/1994	127184	8.83E+00	0.0363	3.20E+01	10	U	8.60E-06
001M00010	Toluene	6/29/1994	108883	8.05E+00	0.0363	2.92E+01	10	U	9.43E-06
001M00010	trans-1,3-Dichloropropene	6/29/1994	10061026		0.0363		10	U	
001M00010	Trichloroethene	6/29/1994	79016	6.65E+00	0.0363	2.41E+01	10	U	1.14E-05
001M00010	Vinyl chloride	6/29/1994	75014		0.0363		10	U	
001M00010	Xylene (Total)	6/29/1994	1330207	9.70E+00	0.0363	3.52E+01	10	U	7.83E-06
041M01010	1,1,1-Trichloroethane	1/17/1996	71556	6.50E+00	0.0363	2.36E+01	7	U	8.17E-06
041M01010	1,1,2,2-Tetrachloroethane	1/17/1996	79345	8.13E+00	0.0363	2.95E+01	7	UJ	6.53E-06
041M01010	1,1,2-Trichloroethane	1/17/1996	79005	6.24E+00	0.0363	2.27E+01	7	U	8.51E-06
041M01010	1,1-Dichloroethane	1/17/1996	75343		0.0363		7	U	
041M01010	1,1-Dichloroethene	1/17/1996	75354	4.65E+00	0.0363	1.69E+01	7	U	1.14E-05
041M01010	1,2-Dichloroethane	1/17/1996	107062	4.43E+00	0.0363	1.61E+01	7	U	1.20E-05
041M01010	1,2-Dichloroethene (total)	1/17/1996	540590	4.61E+00	0.0363	1.67E+01	7	U	1.15E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 2 Wetland: 1A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M01010	1,2-Dichloropropane	1/17/1996	78875	5.26E+00	0.0363	1.91E+01	7	U	1.01E-05
041M01010	2-Butanone (MEK)	1/17/1996	78933	2.93E+00	0.0363	1.06E+01	7	U	1.81E-05
041M01010	2-Hexanone	1/17/1996	591786	4.43E+00	0.0363	1.61E+01	7	UJ	1.20E-05
041M01010	4-Methyl-2-Pentanone (MIBK)	1/17/1996	108101	4.38E+00	0.0363	1.59E+01	7	U	1.21E-05
041M01010	Acetone	1/17/1996	67641	1.34E+01	0.0363	4.86E+01	14	U	7.94E-06
041M01010	Benzene	1/17/1996	71432	6.46E+00	0.0363	2.35E+01	7	U	8.22E-06
041M01010	Bromodichloromethane	1/17/1996	75274		0.0363		7	U	
041M01010	Bromoform	1/17/1996	75252	1.22E+01	0.0363	4.42E+01	7	U	4.36E-06
041M01010	Bromomethane	1/17/1996	74839	4.03E+00	0.0363	1.46E+01	7	U	1.32E-05
041M01010	Carbon disulfide	1/17/1996	75150		0.0363		7	U	
041M01010	Carbon tetrachloride	1/17/1996	56235	7.73E+00	0.0363	2.81E+01	7	U	6.87E-06
041M01010	Chlorobenzene	1/17/1996	108907	5.59E+00	0.0363	2.03E+01	7	UJ	9.51E-06
041M01010	Chloroethane	1/17/1996	75003		0.0363		7	U	
041M01010	Chloroform	1/17/1996	67663	5.59E+00	0.0363	2.03E+01	7	U	9.51E-06
041M01010	Chloromethane	1/17/1996	74873	2.12E+00	0.0363	7.70E+00	7	U	2.50E-05
041M01010	cis-1,3-Dichloropropene	1/17/1996	10061015		0.0363		7	U	
041M01010	Dibromochloromethane	1/17/1996	124481		0.0363		7	U	
041M01010	Ethylbenzene	1/17/1996	100414	9.64E+00	0.0363	3.50E+01	7	UJ	5.51E-06
041M01010	Methylene chloride	1/17/1996	75092	3.73E+00	0.0363	1.35E+01	7	U	1.42E-05
041M01010	Styrene	1/17/1996	100425	9.18E+00	0.0363	3.33E+01	7	UJ	5.79E-06
041M01010	Tetrachloroethene	1/17/1996	127184	8.83E+00	0.0363	3.20E+01	7	UJ	6.02E-06
041M01010	Toluene	1/17/1996	108883	8.05E+00	0.0363	2.92E+01	7	UJ	6.60E-06
041M01010	trans-1,3-Dichloropropene	1/17/1996	10061026		0.0363		7	U	
041M01010	Trichloroethene	1/17/1996	79016	6.65E+00	0.0363	2.41E+01	7	U	7.99E-06
041M01010	Vinyl chloride	1/17/1996	75014		0.0363		2	U	
041M01010	Xylene (Total)	1/17/1996	1330207	9.70E+00	0.0363	3.52E+01	7	UJ	5.48E-06
041M01020	1,1,1-Trichloroethane	1/17/1996	71556	6.50E+00	0.145	9.43E+01	10.5	UJ	7.68E-07
041M01020	1,1,2,2-Tetrachloroethane	1/17/1996	79345	8.13E+00	0.145	1.18E+02	10.5	UJ	6.14E-07
041M01020	1,1,2-Trichloroethane	1/17/1996	79005	6.24E+00	0.145	9.05E+01	10.5	UJ	8.00E-07
041M01020	1,1-Dichloroethane	1/17/1996	75343		0.145		10.5	U	
041M01020	1,1-Dichloroethene	1/17/1996	75354	4.65E+00	0.145	6.74E+01	10.5	U	1.07E-06
041M01020	1,2-Dichloroethane	1/17/1996	107062	4.43E+00	0.145	6.42E+01	10.5	U	1.13E-06
041M01020	1,2-Dichloroethene (total)	1/17/1996	540590	4.61E+00	0.145	6.69E+01	10.5	U	1.08E-06
041M01020	1,2-Dichloropropane	1/17/1996	78875	5.26E+00	0.145	7.63E+01	10.5	UJ	9.49E-07
041M01020	2-Butanone (MEK)	1/17/1996	78933	2.93E+00	0.145	4.25E+01	110		1.79E-05
041M01020	2-Hexanone	1/17/1996	591786	4.43E+00	0.145	6.42E+01	10.5	UJ	1.13E-06
041M01020	4-Methyl-2-Pentanone (MIBK)	1/17/1996	108101	4.38E+00	0.145	6.36E+01	10.5	UJ	1.14E-06
041M01020	Acetone	1/17/1996	67641	1.34E+01	0.145	1.94E+02	250		8.88E-06
041M01020	Benzene	1/17/1996	71432	6.46E+00	0.145	9.37E+01	10.5	UJ	7.73E-07
041M01020	Bromodichloromethane	1/17/1996	75274		0.145		10.5	UJ	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 2 Wetland: 1A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M01020	Bromoform	1/17/1996	75252	1.22E+01	0.145	1.77E+02	10.5	UJ	4.10E-07
041M01020	Bromomethane	1/17/1996	74839	4.03E+00	0.145	5.84E+01	10.5	U	1.24E-06
041M01020	Carbon disulfide	1/17/1996	75150		0.145		10.5	U	
041M01020	Carbon tetrachloride	1/17/1996	56235	7.73E+00	0.145	1.12E+02	10.5	UJ	6.46E-07
041M01020	Chlorobenzene	1/17/1996	108907	5.59E+00	0.145	8.10E+01	10.5	UJ	8.94E-07
041M01020	Chloroethane	1/17/1996	75003		0.145		10.5	U	
041M01020	Chloroform	1/17/1996	67663	5.59E+00	0.145	8.10E+01	10.5	U	8.94E-07
041M01020	Chloromethane	1/17/1996	74873	2.12E+00	0.145	3.08E+01	10.5	U	2.35E-06
041M01020	cis-1,3-Dichloropropene	1/17/1996	10061015		0.145		10.5	UJ	
041M01020	Dibromochloromethane	1/17/1996	124481		0.145		10.5	UJ	
041M01020	Ethylbenzene	1/17/1996	100414	9.64E+00	0.145	1.40E+02	10.5	UJ	5.18E-07
041M01020	Methylene chloride	1/17/1996	75092	3.73E+00	0.145	5.41E+01	10.5	U	1.34E-06
041M01020	Styrene	1/17/1996	100425	9.18E+00	0.145	1.33E+02	10.5	UJ	5.44E-07
041M01020	Tetrachloroethene	1/17/1996	127184	8.83E+00	0.145	1.28E+02	10.5	UJ	5.66E-07
041M01020	Toluene	1/17/1996	108883	8.05E+00	0.145	1.17E+02	10.5	UJ	6.21E-07
041M01020	trans-1,3-Dichloropropene	1/17/1996	10061026		0.145		10.5	UJ	
041M01020	Trichloroethene	1/17/1996	79016	6.65E+00	0.145	9.65E+01	10.5	UJ	7.51E-07
041M01020	Vinyl chloride	1/17/1996	75014		0.145		3	U	
041M01020	Xylene (Total)	1/17/1996	1330207	9.70E+00	0.145	1.41E+02	10.5	UJ	5.15E-07

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 2 Wetland: 1B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M01030	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.00532	3.46E+00	6.5	U	3.53E-04
041M01030	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.00532	4.33E+00	6.5	UJ	2.82E-04
041M01030	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.00532	3.32E+00	6.5	U	3.68E-04
041M01030	1,1-Dichloroethane	1/18/1996	75343		0.00532		6.5	U	
041M01030	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.00532	2.47E+00	6.5	U	4.94E-04
041M01030	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.00532	2.36E+00	6.5	U	5.19E-04
041M01030	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.00532	2.45E+00	6.5	U	4.98E-04
041M01030	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.00532	2.80E+00	6.5	U	4.36E-04
041M01030	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.00532	1.56E+00	6.5	U	7.84E-04
041M01030	2-Hexanone	1/18/1996	591786	4.43E+00	0.00532	2.36E+00	6.5	UJ	5.18E-04
041M01030	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.00532	2.33E+00	6.5	U	5.24E-04
041M01030	Acetone	1/18/1996	67641	1.34E+01	0.00532	7.12E+00	36	U	9.50E-04
041M01030	Benzene	1/18/1996	71432	6.46E+00	0.00532	3.44E+00	6.5	U	3.55E-04
041M01030	Bromodichloromethane	1/18/1996	75274		0.00532		6.5	U	
041M01030	Bromoform	1/18/1996	75252	1.22E+01	0.00532	6.48E+00	6.5	U	1.88E-04
041M01030	Bromomethane	1/18/1996	74839	4.03E+00	0.00532	2.14E+00	6.5	U	5.70E-04
041M01030	Carbon disulfide	1/18/1996	75150		0.00532		6.5	U	
041M01030	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.00532	4.11E+00	6.5	U	2.97E-04
041M01030	Chlorobenzene	1/18/1996	108907	5.59E+00	0.00532	2.97E+00	6.5	UJ	4.11E-04
041M01030	Chloroethane	1/18/1996	75003		0.00532		6.5	U	
041M01030	Chloroform	1/18/1996	67663	5.59E+00	0.00532	2.97E+00	6.5	U	4.11E-04
041M01030	Chloromethane	1/18/1996	74873	2.12E+00	0.00532	1.13E+00	6.5	U	1.08E-03
041M01030	cis-1,3-Dichloropropene	1/18/1996	10061015		0.00532		6.5	U	
041M01030	Dibromochloromethane	1/18/1996	124481		0.00532		6.5	U	
041M01030	Ethylbenzene	1/18/1996	100414	9.64E+00	0.00532	5.13E+00	6.5	UJ	2.38E-04
041M01030	Methylene chloride	1/18/1996	75092	3.73E+00	0.00532	1.98E+00	6.5	U	6.16E-04
041M01030	Styrene	1/18/1996	100425	9.18E+00	0.00532	4.88E+00	6.5	UJ	2.50E-04
041M01030	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.00532	4.70E+00	6.5	UJ	2.60E-04
041M01030	Toluene	1/18/1996	108883	8.05E+00	0.00532	4.28E+00	6.5	UJ	2.85E-04
041M01030	trans-1,3-Dichloropropene	1/18/1996	10061026		0.00532		6.5	U	
041M01030	Trichloroethene	1/18/1996	79016	6.65E+00	0.00532	3.54E+00	6.5	U	3.45E-04
041M01030	Vinyl chloride	1/18/1996	75014		0.00532		2	U	
041M01030	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.00532	5.16E+00	6.5	UJ	2.37E-04
041M01040	1,1,1-Trichloroethane	1/17/1996	71556	6.50E+00	0.0306	1.99E+01	7	U	1.15E-05
041M01040	1,1,2,2-Tetrachloroethane	1/17/1996	79345	8.13E+00	0.0306	2.49E+01	7	U	9.19E-06
041M01040	1,1,2-Trichloroethane	1/17/1996	79005	6.24E+00	0.0306	1.91E+01	7	U	1.20E-05
041M01040	1,1-Dichloroethane	1/17/1996	75343		0.0306		7	U	
041M01040	1,1-Dichloroethene	1/17/1996	75354	4.65E+00	0.0306	1.42E+01	7	U	1.61E-05
041M01040	1,2-Dichloroethane	1/17/1996	107062	4.43E+00	0.0306	1.36E+01	7	U	1.69E-05
041M01040	1,2-Dichloroethene (total)	1/17/1996	540590	4.61E+00	0.0306	1.41E+01	7	U	1.62E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 2 Wetland: 1B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M01040	1,2-Dichloropropane	1/17/1996	78875	5.26E+00	0.0306	1.61E+01	7	U	1.42E-05
041M01040	2-Butanone (MEK)	1/17/1996	78933	2.93E+00	0.0306	8.96E+00	7	U	2.55E-05
041M01040	2-Hexanone	1/17/1996	591786	4.43E+00	0.0306	1.36E+01	7	U	1.69E-05
041M01040	4-Methyl-2-Pentanone (MIBK)	1/17/1996	108101	4.38E+00	0.0306	1.34E+01	7	U	1.71E-05
041M01040	Acetone	1/17/1996	67641	1.34E+01	0.0306	4.10E+01	26.5	U	2.11E-05
041M01040	Benzene	1/17/1996	71432	6.46E+00	0.0306	1.98E+01	7	U	1.16E-05
041M01040	Bromodichloromethane	1/17/1996	75274		0.0306		7	U	
041M01040	Bromoform	1/17/1996	75252	1.22E+01	0.0306	3.73E+01	7	U	6.14E-06
041M01040	Bromomethane	1/17/1996	74839	4.03E+00	0.0306	1.23E+01	7	U	1.86E-05
041M01040	Carbon disulfide	1/17/1996	75150		0.0306		7	U	
041M01040	Carbon tetrachloride	1/17/1996	56235	7.73E+00	0.0306	2.37E+01	7	U	9.67E-06
041M01040	Chlorobenzene	1/17/1996	108907	5.59E+00	0.0306	1.71E+01	7	U	1.34E-05
041M01040	Chloroethane	1/17/1996	75003		0.0306		7	U	
041M01040	Chloroform	1/17/1996	67663	5.59E+00	0.0306	1.71E+01	7	U	1.34E-05
041M01040	Chloromethane	1/17/1996	74873	2.12E+00	0.0306	6.49E+00	7	U	3.52E-05
041M01040	cis-1,3-Dichloropropene	1/17/1996	10061015		0.0306		7	U	
041M01040	Dibromochloromethane	1/17/1996	124481		0.0306		7	U	
041M01040	Ethylbenzene	1/17/1996	100414	9.64E+00	0.0306	2.95E+01	7	U	7.76E-06
041M01040	Methylene chloride	1/17/1996	75092	3.73E+00	0.0306	1.14E+01	7	U	2.01E-05
041M01040	Styrene	1/17/1996	100425	9.18E+00	0.0306	2.81E+01	7	U	8.15E-06
041M01040	Tetrachloroethene	1/17/1996	127184	8.83E+00	0.0306	2.70E+01	7	U	8.47E-06
041M01040	Toluene	1/17/1996	108883	8.05E+00	0.0306	2.46E+01	7	U	9.29E-06
041M01040	trans-1,3-Dichloropropene	1/17/1996	10061026		0.0306		7	U	
041M01040	Trichloroethene	1/17/1996	79016	6.65E+00	0.0306	2.04E+01	7	U	1.12E-05
041M01040	Vinyl chloride	1/17/1996	75014		0.0306		2	U	
041M01040	Xylene (Total)	1/17/1996	1330207	9.70E+00	0.0306	2.97E+01	7	U	7.71E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00030	1,1,1-Trichloroethane	6/28/1994	71556	6.50E+00	0.00478	3.11E+00	7	U	4.71E-04
001M00030	1,1,2,2-Tetrachloroethane	6/28/1994	79345	8.13E+00	0.00478	3.89E+00	7	U	3.77E-04
001M00030	1,1,2-Trichloroethane	6/28/1994	79005	6.24E+00	0.00478	2.98E+00	7	U	4.91E-04
001M00030	1,1-Dichloroethane	6/28/1994	75343		0.00478		7	U	
001M00030	1,1-Dichloroethene	6/28/1994	75354	4.65E+00	0.00478	2.22E+00	7	U	6.59E-04
001M00030	1,2-Dichloroethane	6/28/1994	107062	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
001M00030	1,2-Dichloroethene (total)	6/28/1994	540590	4.61E+00	0.00478	2.20E+00	7	U	6.64E-04
001M00030	1,2-Dichloropropane	6/28/1994	78875	5.26E+00	0.00478	2.52E+00	7	U	5.82E-04
001M00030	2-Butanone (MEK)	6/28/1994	78933	2.93E+00	0.00478	1.40E+00	7	U	1.05E-03
001M00030	2-Hexanone	6/28/1994	591786	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
001M00030	4-Methyl-2-Pentanone (MIBK)	6/28/1994	108101	4.38E+00	0.00478	2.10E+00	7	U	6.99E-04
001M00030	Acetone	6/28/1994	67641	1.34E+01	0.00478	6.40E+00	7	U	2.29E-04
001M00030	Benzene	6/28/1994	71432	6.46E+00	0.00478	3.09E+00	7	U	4.74E-04
001M00030	Bromodichloromethane	6/28/1994	75274		0.00478		7	U	
001M00030	Bromoform	6/28/1994	75252	1.22E+01	0.00478	5.82E+00	7	U	2.51E-04
001M00030	Bromomethane	6/28/1994	74839	4.03E+00	0.00478	1.93E+00	7	U	7.60E-04
001M00030	Carbon disulfide	6/28/1994	75150		0.00478		7	U	
001M00030	Carbon tetrachloride	6/28/1994	56235	7.73E+00	0.00478	3.70E+00	7	U	3.96E-04
001M00030	Chlorobenzene	6/28/1994	108907	5.59E+00	0.00478	2.67E+00	7	U	5.49E-04
001M00030	Chloroethane	6/28/1994	75003		0.00478		7	U	
001M00030	Chloroform	6/28/1994	67663	5.59E+00	0.00478	2.67E+00	7	U	5.48E-04
001M00030	Chloromethane	6/28/1994	74873	2.12E+00	0.00478	1.01E+00	7	U	1.44E-03
001M00030	cis-1,3-Dichloropropene	6/28/1994	10061015		0.00478		7	U	
001M00030	Dibromochloromethane	6/28/1994	124481		0.00478		7	U	
001M00030	Ethylbenzene	6/28/1994	100414	9.64E+00	0.00478	4.61E+00	7	U	3.18E-04
001M00030	Methylene chloride	6/28/1994	75092	3.73E+00	0.00478	1.78E+00	4	U	4.70E-04
001M00030	Styrene	6/28/1994	100425	9.18E+00	0.00478	4.39E+00	7	U	3.34E-04
001M00030	Tetrachloroethene	6/28/1994	127184	8.83E+00	0.00478	4.22E+00	7	U	3.47E-04
001M00030	Toluene	6/28/1994	108883	8.05E+00	0.00478	3.85E+00	7	U	3.81E-04
001M00030	trans-1,3-Dichloropropene	6/28/1994	10061026		0.00478		7	U	
001M00030	Trichloroethene	6/28/1994	79016	6.65E+00	0.00478	3.18E+00	7	U	4.61E-04
001M00030	Vinyl chloride	6/28/1994	75014		0.00478		7	U	
001M00030	Xylene (Total)	6/28/1994	1330207	9.70E+00	0.00478	4.63E+00	7	U	3.16E-04
001M00030	1,1,1-Trichloroethane	6/28/1994	71556	6.50E+00	0.00478	3.11E+00	7	U	4.71E-04
001M00030	1,1,2,2-Tetrachloroethane	6/28/1994	79345	8.13E+00	0.00478	3.89E+00	7	U	3.77E-04
001M00030	1,1,2-Trichloroethane	6/28/1994	79005	6.24E+00	0.00478	2.98E+00	7	U	4.91E-04
001M00030	1,1-Dichloroethane	6/28/1994	75343		0.00478		7	U	
001M00030	1,1-Dichloroethene	6/28/1994	75354	4.65E+00	0.00478	2.22E+00	7	U	6.59E-04
001M00030	1,2-Dichloroethane	6/28/1994	107062	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
001M00030	1,2-Dichloroethene (total)	6/28/1994	540590	4.61E+00	0.00478	2.20E+00	7	U	6.64E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00030	1,2-Dichloropropane	6/28/1994	78875	5.26E+00	0.00478	2.52E+00	7	U	5.82E-04
001M00030	2-Butanone (MEK)	6/28/1994	78933	2.93E+00	0.00478	1.40E+00	7	U	1.05E-03
001M00030	2-Hexanone	6/28/1994	591786	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
001M00030	4-Methyl-2-Pentanone (MIBK)	6/28/1994	108101	4.38E+00	0.00478	2.10E+00	7	U	6.99E-04
001M00030	Acetone	6/28/1994	67641	1.34E+01	0.00478	6.40E+00	26.5	U	8.66E-04
001M00030	Benzene	6/28/1994	71432	6.46E+00	0.00478	3.09E+00	7	U	4.74E-04
001M00030	Bromodichloromethane	6/28/1994	75274		0.00478		7	U	
001M00030	Bromoform	6/28/1994	75252	1.22E+01	0.00478	5.82E+00	7	U	2.51E-04
001M00030	Bromomethane	6/28/1994	74839	4.03E+00	0.00478	1.93E+00	7	U	7.60E-04
001M00030	Carbon disulfide	6/28/1994	75150		0.00478		7	U	
001M00030	Carbon tetrachloride	6/28/1994	56235	7.73E+00	0.00478	3.70E+00	7	U	3.96E-04
001M00030	Chlorobenzene	6/28/1994	108907	5.59E+00	0.00478	2.67E+00	7	U	5.49E-04
001M00030	Chloroethane	6/28/1994	75003		0.00478		7	U	
001M00030	Chloroform	6/28/1994	67663	5.59E+00	0.00478	2.67E+00	7	U	5.48E-04
001M00030	Chloromethane	6/28/1994	74873	2.12E+00	0.00478	1.01E+00	7	U	1.44E-03
001M00030	cis-1,3-Dichloropropene	6/28/1994	10061015		0.00478		7	U	
001M00030	Dibromochloromethane	6/28/1994	124481		0.00478		7	U	
001M00030	Ethylbenzene	6/28/1994	100414	9.64E+00	0.00478	4.61E+00	7	U	3.18E-04
001M00030	Methylene chloride	6/28/1994	75092	3.73E+00	0.00478	1.78E+00	13	U	1.53E-03
001M00030	Styrene	6/28/1994	100425	9.18E+00	0.00478	4.39E+00	7	U	3.34E-04
001M00030	Tetrachloroethene	6/28/1994	127184	8.83E+00	0.00478	4.22E+00	7	U	3.47E-04
001M00030	Toluene	6/28/1994	108883	8.05E+00	0.00478	3.85E+00	7	U	3.81E-04
001M00030	trans-1,3-Dichloropropene	6/28/1994	10061026		0.00478		7	U	
001M00030	Trichloroethene	6/28/1994	79016	6.65E+00	0.00478	3.18E+00	7	U	4.61E-04
001M00030	Vinyl chloride	6/28/1994	75014		0.00478		7	U	
001M00030	Xylene (Total)	6/28/1994	1330207	9.70E+00	0.00478	4.63E+00	7	U	3.16E-04
001M00030	1,1,1-Trichloroethane	6/28/1994	71556	6.50E+00	0.00478	3.11E+00	6.5	U	4.37E-04
001M00030	1,1,2,2-Tetrachloroethane	6/28/1994	79345	8.13E+00	0.00478	3.89E+00	6.5	U	3.50E-04
001M00030	1,1,2-Trichloroethane	6/28/1994	79005	6.24E+00	0.00478	2.98E+00	6.5	U	4.56E-04
001M00030	1,1-Dichloroethane	6/28/1994	75343		0.00478		6.5	U	
001M00030	1,1-Dichloroethene	6/28/1994	75354	4.65E+00	0.00478	2.22E+00	6.5	U	6.12E-04
001M00030	1,2-Dichloroethane	6/28/1994	107062	4.43E+00	0.00478	2.12E+00	6.5	U	6.42E-04
001M00030	1,2-Dichloroethene (total)	6/28/1994	540590	4.61E+00	0.00478	2.20E+00	6.5	U	6.17E-04
001M00030	1,2-Dichloropropane	6/28/1994	78875	5.26E+00	0.00478	2.52E+00	6.5	U	5.40E-04
001M00030	2-Butanone (MEK)	6/28/1994	78933	2.93E+00	0.00478	1.40E+00	6.5	U	9.71E-04
001M00030	2-Hexanone	6/28/1994	591786	4.43E+00	0.00478	2.12E+00	6.5	U	6.42E-04
001M00030	4-Methyl-2-Pentanone (MIBK)	6/28/1994	108101	4.38E+00	0.00478	2.10E+00	6.5	U	6.49E-04
001M00030	Acetone	6/28/1994	67641	1.34E+01	0.00478	6.40E+00	14	U	4.58E-04
001M00030	Benzene	6/28/1994	71432	6.46E+00	0.00478	3.09E+00	6.5	U	4.40E-04
001M00030	Bromodichloromethane	6/28/1994	75274		0.00478		6.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00030	Bromoform	6/28/1994	75252	1.22E+01	0.00478	5.82E+00	6.5	U	2.33E-04
001M00030	Bromomethane	6/28/1994	74839	4.03E+00	0.00478	1.93E+00	6.5	U	7.06E-04
001M00030	Carbon disulfide	6/28/1994	75150		0.00478		6.5	U	
001M00030	Carbon tetrachloride	6/28/1994	56235	7.73E+00	0.00478	3.70E+00	6.5	U	3.68E-04
001M00030	Chlorobenzene	6/28/1994	108907	5.59E+00	0.00478	2.67E+00	6.5	U	5.09E-04
001M00030	Chloroethane	6/28/1994	75003		0.00478		6.5	U	
001M00030	Chloroform	6/28/1994	67663	5.59E+00	0.00478	2.67E+00	6.5	U	5.09E-04
001M00030	Chloromethane	6/28/1994	74873	2.12E+00	0.00478	1.01E+00	6.5	U	1.34E-03
001M00030	cis-1,3-Dichloropropene	6/28/1994	10061015		0.00478		6.5	U	
001M00030	Dibromochloromethane	6/28/1994	124481		0.00478		6.5	U	
001M00030	Ethylbenzene	6/28/1994	100414	9.64E+00	0.00478	4.61E+00	6.5	U	2.95E-04
001M00030	Methylene chloride	6/28/1994	75092	3.73E+00	0.00478	1.78E+00	4.5	U	5.28E-04
001M00030	Styrene	6/28/1994	100425	9.18E+00	0.00478	4.39E+00	6.5	U	3.10E-04
001M00030	Tetrachloroethene	6/28/1994	127184	8.83E+00	0.00478	4.22E+00	6.5	U	3.22E-04
001M00030	Toluene	6/28/1994	108883	8.05E+00	0.00478	3.85E+00	6.5	U	3.54E-04
001M00030	trans-1,3-Dichloropropene	6/28/1994	10061026		0.00478		6.5	U	
001M00030	Trichloroethene	6/28/1994	79016	6.65E+00	0.00478	3.18E+00	6.5	U	4.28E-04
001M00030	Vinyl chloride	6/28/1994	75014		0.00478		6.5	U	
001M00030	Xylene (Total)	6/28/1994	1330207	9.70E+00	0.00478	4.63E+00	6.5	U	2.93E-04
041M03010	1,1,1-Trichloroethane	12/1/1995	71556	6.50E+00	0.00815	5.30E+00	7	U	1.62E-04
041M03010	1,1,2,2-Tetrachloroethane	12/1/1995	79345	8.13E+00	0.00815	6.63E+00	7	U	1.30E-04
041M03010	1,1,2-Trichloroethane	12/1/1995	79005	6.24E+00	0.00815	5.09E+00	7	U	1.69E-04
041M03010	1,1-Dichloroethane	12/1/1995	75343		0.00815		7	U	
041M03010	1,1-Dichloroethene	12/1/1995	75354	4.65E+00	0.00815	3.79E+00	7	U	2.27E-04
041M03010	1,2-Dichloroethane	12/1/1995	107062	4.43E+00	0.00815	3.61E+00	7	U	2.38E-04
041M03010	1,2-Dichloroethene (total)	12/1/1995	540590	4.61E+00	0.00815	3.76E+00	7	U	2.28E-04
041M03010	1,2-Dichloropropane	12/1/1995	78875	5.26E+00	0.00815	4.29E+00	7	U	2.00E-04
041M03010	2-Butanone (MEK)	12/1/1995	78933	2.93E+00	0.00815	2.39E+00	7	U	3.60E-04
041M03010	2-Hexanone	12/1/1995	591786	4.43E+00	0.00815	3.61E+00	7	U	2.38E-04
041M03010	4-Methyl-2-Pentanone (MIBK)	12/1/1995	108101	4.38E+00	0.00815	3.57E+00	7	U	2.40E-04
041M03010	Acetone	12/1/1995	67641	1.34E+01	0.00815	1.09E+01	13.5	U	1.52E-04
041M03010	Benzene	12/1/1995	71432	6.46E+00	0.00815	5.27E+00	7	U	1.63E-04
041M03010	Bromodichloromethane	12/1/1995	75274		0.00815		7	U	
041M03010	Bromoform	12/1/1995	75252	1.22E+01	0.00815	9.93E+00	7	U	8.65E-05
041M03010	Bromomethane	12/1/1995	74839	4.03E+00	0.00815	3.28E+00	7	U	2.62E-04
041M03010	Carbon disulfide	12/1/1995	75150		0.00815		7	U	
041M03010	Carbon tetrachloride	12/1/1995	56235	7.73E+00	0.00815	6.30E+00	7	U	1.36E-04
041M03010	Chlorobenzene	12/1/1995	108907	5.59E+00	0.00815	4.55E+00	2	J	5.39E-05
041M03010	Chloroethane	12/1/1995	75003		0.00815		7	U	
041M03010	Chloroform	12/1/1995	67663	5.59E+00	0.00815	4.55E+00	7	U	1.89E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03010	Chloromethane	12/1/1995	74873	2.12E+00	0.00815	1.73E+00	7	U	4.97E-04
041M03010	cis-1,3-Dichloropropene	12/1/1995	10061015		0.00815		7	U	
041M03010	Dibromochloromethane	12/1/1995	124481		0.00815		7	U	
041M03010	Ethylbenzene	12/1/1995	100414	9.64E+00	0.00815	7.85E+00	7	U	1.09E-04
041M03010	Methylene chloride	12/1/1995	75092	3.73E+00	0.00815	3.04E+00	7	U	2.83E-04
041M03010	Styrene	12/1/1995	100425	9.18E+00	0.00815	7.48E+00	7	U	1.15E-04
041M03010	Tetrachloroethene	12/1/1995	127184	8.83E+00	0.00815	7.19E+00	7	U	1.19E-04
041M03010	Toluene	12/1/1995	108883	8.05E+00	0.00815	6.56E+00	7	U	1.31E-04
041M03010	trans-1,3-Dichloropropene	12/1/1995	10061026		0.00815		7	U	
041M03010	Trichloroethene	12/1/1995	79016	6.65E+00	0.00815	5.42E+00	7	U	1.58E-04
041M03010	Vinyl chloride	12/1/1995	75014		0.00815		2	U	
041M03010	Xylene (Total)	12/1/1995	1330207	9.70E+00	0.00815	7.90E+00	7	U	1.09E-04
041M03020	1,1,1-Trichloroethane	12/1/1995	71556	6.50E+00	0.241	1.57E+02	21	U	5.56E-07
041M03020	1,1,2,2-Tetrachloroethane	12/1/1995	79345	8.13E+00	0.241	1.96E+02	21	UJ	4.44E-07
041M03020	1,1,2-Trichloroethane	12/1/1995	79005	6.24E+00	0.241	1.50E+02	21	U	5.79E-07
041M03020	1,1-Dichloroethane	12/1/1995	75343		0.241		21	U	
041M03020	1,1-Dichloroethene	12/1/1995	75354	4.65E+00	0.241	1.12E+02	21	U	7.78E-07
041M03020	1,2-Dichloroethane	12/1/1995	107062	4.43E+00	0.241	1.07E+02	21	U	8.16E-07
041M03020	1,2-Dichloroethene (total)	12/1/1995	540590	4.61E+00	0.241	1.11E+02	21	U	7.84E-07
041M03020	1,2-Dichloropropane	12/1/1995	78875	5.26E+00	0.241	1.27E+02	21	U	6.87E-07
041M03020	2-Butanone (MEK)	12/1/1995	78933	2.93E+00	0.241	7.06E+01	21	U	1.23E-06
041M03020	2-Hexanone	12/1/1995	591786	4.43E+00	0.241	1.07E+02	21	UJ	8.16E-07
041M03020	4-Methyl-2-Pentanone (MIBK)	12/1/1995	108101	4.38E+00	0.241	1.06E+02	21	UJ	8.25E-07
041M03020	Acetone	12/1/1995	67641	1.34E+01	0.241	3.23E+02	65	U	8.36E-07
041M03020	Benzene	12/1/1995	71432	6.46E+00	0.241	1.56E+02	34	J	9.06E-07
041M03020	Bromodichloromethane	12/1/1995	75274		0.241		21	U	
041M03020	Bromoform	12/1/1995	75252	1.22E+01	0.241	2.94E+02	21	U	2.97E-07
041M03020	Bromomethane	12/1/1995	74839	4.03E+00	0.241	9.71E+01	21	U	8.98E-07
041M03020	Carbon disulfide	12/1/1995	75150		0.241		21	U	
041M03020	Carbon tetrachloride	12/1/1995	56235	7.73E+00	0.241	1.86E+02	21	U	4.68E-07
041M03020	Chlorobenzene	12/1/1995	108907	5.59E+00	0.241	1.35E+02	410	J	1.26E-05
041M03020	Chloroethane	12/1/1995	75003		0.241		21	U	
041M03020	Chloroform	12/1/1995	67663	5.59E+00	0.241	1.35E+02	21	U	6.47E-07
041M03020	Chloromethane	12/1/1995	74873	2.12E+00	0.241	5.11E+01	21	U	1.70E-06
041M03020	cis-1,3-Dichloropropene	12/1/1995	10061015		0.241		21	U	
041M03020	Dibromochloromethane	12/1/1995	124481		0.241		21	U	
041M03020	Ethylbenzene	12/1/1995	100414	9.64E+00	0.241	2.32E+02	21	UJ	3.75E-07
041M03020	Methylene chloride	12/1/1995	75092	3.73E+00	0.241	8.99E+01	21	U	9.70E-07
041M03020	Styrene	12/1/1995	100425	9.18E+00	0.241	2.21E+02	21	UJ	3.94E-07
041M03020	Tetrachloroethene	12/1/1995	127184	8.83E+00	0.241	2.13E+02	21	UJ	4.10E-07

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03020	Toluene	12/1/1995	108883	8.05E+00	0.241	1.94E+02	21	UJ	4.49E-07
041M03020	trans-1,3-Dichloropropene	12/1/1995	10061026		0.241		21	U	
041M03020	Trichloroethene	12/1/1995	79016	6.65E+00	0.241	1.60E+02	21	U	5.44E-07
041M03020	Vinyl chloride	12/1/1995	75014		0.241		6.5	U	
041M03020	Xylene (Total)	12/1/1995	1330207	9.70E+00	0.241	2.34E+02	21	UJ	3.73E-07
041M03030	1,1,1-Trichloroethane	12/4/1995	71556	6.50E+00	0.0518	3.37E+01	50	U	2.86E-05
041M03030	1,1,2,2-Tetrachloroethane	12/4/1995	79345	8.13E+00	0.0518	4.21E+01	50	U	2.29E-05
041M03030	1,1,2-Trichloroethane	12/4/1995	79005	6.24E+00	0.0518	3.23E+01	50	U	2.98E-05
041M03030	1,1-Dichloroethane	12/4/1995	75343		0.0518		50	U	
041M03030	1,1-Dichloroethene	12/4/1995	75354	4.65E+00	0.0518	2.41E+01	50	U	4.01E-05
041M03030	1,2-Dichloroethane	12/4/1995	107062	4.43E+00	0.0518	2.29E+01	50	U	4.21E-05
041M03030	1,2-Dichloroethene (total)	12/4/1995	540590	4.61E+00	0.0518	2.39E+01	50	U	4.04E-05
041M03030	1,2-Dichloropropane	12/4/1995	78875	5.26E+00	0.0518	2.73E+01	50	U	3.54E-05
041M03030	2-Butanone (MEK)	12/4/1995	78933	2.93E+00	0.0518	1.52E+01	50	U	6.36E-05
041M03030	2-Hexanone	12/4/1995	591786	4.43E+00	0.0518	2.29E+01	50	U	4.21E-05
041M03030	4-Methyl-2-Pentanone (MIBK)	12/4/1995	108101	4.38E+00	0.0518	2.27E+01	50	U	4.25E-05
041M03030	Acetone	12/4/1995	67641	1.34E+01	0.0518	6.93E+01	120	U	3.34E-05
041M03030	Benzene	12/4/1995	71432	6.46E+00	0.0518	3.35E+01	18	J	1.04E-05
041M03030	Bromodichloromethane	12/4/1995	75274		0.0518		50	U	
041M03030	Bromoform	12/4/1995	75252	1.22E+01	0.0518	6.31E+01	50	U	1.53E-05
041M03030	Bromomethane	12/4/1995	74839	4.03E+00	0.0518	2.09E+01	50	U	4.63E-05
041M03030	Carbon disulfide	12/4/1995	75150		0.0518		50	U	
041M03030	Carbon tetrachloride	12/4/1995	56235	7.73E+00	0.0518	4.01E+01	50	U	2.41E-05
041M03030	Chlorobenzene	12/4/1995	108907	5.59E+00	0.0518	2.89E+01	620		4.14E-04
041M03030	Chloroethane	12/4/1995	75003		0.0518		50	U	
041M03030	Chloroform	12/4/1995	67663	5.59E+00	0.0518	2.89E+01	50	U	3.34E-05
041M03030	Chloromethane	12/4/1995	74873	2.12E+00	0.0518	1.10E+01	50	U	8.78E-05
041M03030	cis-1,3-Dichloropropene	12/4/1995	10061015		0.0518		50	U	
041M03030	Dibromochloromethane	12/4/1995	124481		0.0518		50	U	
041M03030	Ethylbenzene	12/4/1995	100414	9.64E+00	0.0518	4.99E+01	50	U	1.93E-05
041M03030	Methylene chloride	12/4/1995	75092	3.73E+00	0.0518	1.93E+01	50	U	5.00E-05
041M03030	Styrene	12/4/1995	100425	9.18E+00	0.0518	4.75E+01	50	U	2.03E-05
041M03030	Tetrachloroethene	12/4/1995	127184	8.83E+00	0.0518	4.57E+01	50	U	2.11E-05
041M03030	Toluene	12/4/1995	108883	8.05E+00	0.0518	4.17E+01	50	U	2.32E-05
041M03030	trans-1,3-Dichloropropene	12/4/1995	10061026		0.0518		50	U	
041M03030	Trichloroethene	12/4/1995	79016	6.65E+00	0.0518	3.45E+01	50	U	2.80E-05
041M03030	Vinyl chloride	12/4/1995	75014		0.0518		15	U	
041M03030	Xylene (Total)	12/4/1995	1330207	9.70E+00	0.0518	5.02E+01	50	U	1.92E-05
041M03040	1,1,1-Trichloroethane	12/4/1995	71556	6.50E+00	0.00478	3.11E+00	10	U	6.73E-04
041M03040	1,1,2,2-Tetrachloroethane	12/4/1995	79345	8.13E+00	0.00478	3.89E+00	10	U	5.38E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03040	1,1,2-Trichloroethane	12/4/1995	79005	6.24E+00	0.00478	2.98E+00	10	U	7.01E-04
041M03040	1,1-Dichloroethane	12/4/1995	75343		0.00478		10	U	
041M03040	1,1-Dichloroethene	12/4/1995	75354	4.65E+00	0.00478	2.22E+00	10	U	9.41E-04
041M03040	1,2-Dichloroethane	12/4/1995	107062	4.43E+00	0.00478	2.12E+00	10	U	9.88E-04
041M03040	1,2-Dichloroethene (total)	12/4/1995	540590	4.61E+00	0.00478	2.20E+00	10	U	9.49E-04
041M03040	1,2-Dichloropropane	12/4/1995	78875	5.26E+00	0.00478	2.52E+00	10	U	8.31E-04
041M03040	2-Butanone (MEK)	12/4/1995	78933	2.93E+00	0.00478	1.40E+00	10	U	1.49E-03
041M03040	2-Hexanone	12/4/1995	591786	4.43E+00	0.00478	2.12E+00	10	U	9.88E-04
041M03040	4-Methyl-2-Pentanone (MIBK)	12/4/1995	108101	4.38E+00	0.00478	2.10E+00	10	U	9.99E-04
041M03040	Acetone	12/4/1995	67641	1.34E+01	0.00478	6.40E+00	19.5	U	6.38E-04
041M03040	Benzene	12/4/1995	71432	6.46E+00	0.00478	3.09E+00	10	U	6.77E-04
041M03040	Bromodichloromethane	12/4/1995	75274		0.00478		10	U	
041M03040	Bromoform	12/4/1995	75252	1.22E+01	0.00478	5.82E+00	10	U	3.59E-04
041M03040	Bromomethane	12/4/1995	74839	4.03E+00	0.00478	1.93E+00	10	U	1.09E-03
041M03040	Carbon disulfide	12/4/1995	75150		0.00478		10	U	
041M03040	Carbon tetrachloride	12/4/1995	56235	7.73E+00	0.00478	3.70E+00	10	U	5.66E-04
041M03040	Chlorobenzene	12/4/1995	108907	5.59E+00	0.00478	2.67E+00	29		2.27E-03
041M03040	Chloroethane	12/4/1995	75003		0.00478		10	U	
041M03040	Chloroform	12/4/1995	67663	5.59E+00	0.00478	2.67E+00	10	U	7.83E-04
041M03040	Chloromethane	12/4/1995	74873	2.12E+00	0.00478	1.01E+00	10	U	2.06E-03
041M03040	cis-1,3-Dichloropropene	12/4/1995	10061015		0.00478		10	U	
041M03040	Dibromochloromethane	12/4/1995	124481		0.00478		10	U	
041M03040	Ethylbenzene	12/4/1995	100414	9.64E+00	0.00478	4.61E+00	10	U	4.54E-04
041M03040	Methylene chloride	12/4/1995	75092	3.73E+00	0.00478	1.78E+00	10	U	1.17E-03
041M03040	Styrene	12/4/1995	100425	9.18E+00	0.00478	4.39E+00	10	U	4.77E-04
041M03040	Tetrachloroethene	12/4/1995	127184	8.83E+00	0.00478	4.22E+00	10	U	4.96E-04
041M03040	Toluene	12/4/1995	108883	8.05E+00	0.00478	3.85E+00	10	U	5.44E-04
041M03040	trans-1,3-Dichloropropene	12/4/1995	10061026		0.00478		10	U	
041M03040	Trichloroethene	12/4/1995	79016	6.65E+00	0.00478	3.18E+00	10	U	6.58E-04
041M03040	Vinyl chloride	12/4/1995	75014		0.00478		3	U	
041M03040	Xylene (Total)	12/4/1995	1330207	9.70E+00	0.00478	4.63E+00	10	U	4.51E-04
041M03050	1,1,1-Trichloroethane	12/4/1995	71556	6.50E+00	0.0108	7.03E+00	100	U	1.32E-03
041M03050	1,1,2,2-Tetrachloroethane	12/4/1995	79345	8.13E+00	0.0108	8.79E+00	100	U	1.05E-03
041M03050	1,1,2-Trichloroethane	12/4/1995	79005	6.24E+00	0.0108	6.74E+00	100	U	1.37E-03
041M03050	1,1-Dichloroethane	12/4/1995	75343		0.0108		100	U	
041M03050	1,1-Dichloroethene	12/4/1995	75354	4.65E+00	0.0108	5.02E+00	100	U	1.84E-03
041M03050	1,2-Dichloroethane	12/4/1995	107062	4.43E+00	0.0108	4.78E+00	100	U	1.94E-03
041M03050	1,2-Dichloroethene (total)	12/4/1995	540590	4.61E+00	0.0108	4.98E+00	100	U	1.86E-03
041M03050	1,2-Dichloropropane	12/4/1995	78875	5.26E+00	0.0108	5.69E+00	100	U	1.63E-03
041M03050	2-Butanone (MEK)	12/4/1995	78933	2.93E+00	0.0108	3.16E+00	100	U	2.93E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03050	2-Hexanone	12/4/1995	591786	4.43E+00	0.0108	4.78E+00	100	U	1.94E-03
041M03050	4-Methyl-2-Pentanone (MIBK)	12/4/1995	108101	4.38E+00	0.0108	4.73E+00	100	U	1.96E-03
041M03050	Acetone	12/4/1995	67641	1.34E+01	0.0108	1.45E+01	800	U	5.12E-03
041M03050	Benzene	12/4/1995	71432	6.46E+00	0.0108	6.98E+00	100	U	1.33E-03
041M03050	Bromodichloromethane	12/4/1995	75274		0.0108		100	U	
041M03050	Bromoform	12/4/1995	75252	1.22E+01	0.0108	1.32E+01	100	U	7.04E-04
041M03050	Bromomethane	12/4/1995	74839	4.03E+00	0.0108	4.35E+00	100	U	2.13E-03
041M03050	Carbon disulfide	12/4/1995	75150		0.0108		100	U	
041M03050	Carbon tetrachloride	12/4/1995	56235	7.73E+00	0.0108	8.35E+00	100	U	1.11E-03
041M03050	Chlorobenzene	12/4/1995	108907	5.59E+00	0.0108	6.03E+00	100	U	1.53E-03
041M03050	Chloroethane	12/4/1995	75003		0.0108		100	U	
041M03050	Chloroform	12/4/1995	67663	5.59E+00	0.0108	6.03E+00	100	U	1.53E-03
041M03050	Chloromethane	12/4/1995	74873	2.12E+00	0.0108	2.29E+00	100	U	4.04E-03
041M03050	cis-1,3-Dichloropropene	12/4/1995	10061015		0.0108		100	U	
041M03050	Dibromochloromethane	12/4/1995	124481		0.0108		100	U	
041M03050	Ethylbenzene	12/4/1995	100414	9.64E+00	0.0108	1.04E+01	100	U	8.90E-04
041M03050	Methylene chloride	12/4/1995	75092	3.73E+00	0.0108	4.03E+00	100	U	2.30E-03
041M03050	Styrene	12/4/1995	100425	9.18E+00	0.0108	9.91E+00	100	U	9.34E-04
041M03050	Tetrachloroethene	12/4/1995	127184	8.83E+00	0.0108	9.53E+00	100	U	9.71E-04
041M03050	Toluene	12/4/1995	108883	8.05E+00	0.0108	8.69E+00	100	U	1.07E-03
041M03050	trans-1,3-Dichloropropene	12/4/1995	10061026		0.0108		100	U	
041M03050	Trichloroethene	12/4/1995	79016	6.65E+00	0.0108	7.18E+00	100	U	1.29E-03
041M03050	Vinyl chloride	12/4/1995	75014		0.0108		30	U	
041M03050	Xylene (Total)	12/4/1995	1330207	9.70E+00	0.0108	1.05E+01	100	U	8.84E-04
041M03060	1,1,1-Trichloroethane	12/4/1995	71556	6.50E+00	0.00672	4.37E+00	7	U	2.38E-04
041M03060	1,1,2,2-Tetrachloroethane	12/4/1995	79345	8.13E+00	0.00672	5.47E+00	7	U	1.91E-04
041M03060	1,1,2-Trichloroethane	12/4/1995	79005	6.24E+00	0.00672	4.20E+00	7	U	2.48E-04
041M03060	1,1-Dichloroethane	12/4/1995	75343		0.00672		7	U	
041M03060	1,1-Dichloroethene	12/4/1995	75354	4.65E+00	0.00672	3.12E+00	7	U	3.33E-04
041M03060	1,2-Dichloroethane	12/4/1995	107062	4.43E+00	0.00672	2.98E+00	7	U	3.50E-04
041M03060	1,2-Dichloroethene (total)	12/4/1995	540590	4.61E+00	0.00672	3.10E+00	7	U	3.36E-04
041M03060	1,2-Dichloropropane	12/4/1995	78875	5.26E+00	0.00672	3.54E+00	7	U	2.94E-04
041M03060	2-Butanone (MEK)	12/4/1995	78933	2.93E+00	0.00672	1.97E+00	7	U	5.29E-04
041M03060	2-Hexanone	12/4/1995	591786	4.43E+00	0.00672	2.98E+00	7	U	3.50E-04
041M03060	4-Methyl-2-Pentanone (MIBK)	12/4/1995	108101	4.38E+00	0.00672	2.95E+00	7	U	3.54E-04
041M03060	Acetone	12/4/1995	67641	1.34E+01	0.00672	9.00E+00	60	U	9.93E-04
041M03060	Benzene	12/4/1995	71432	6.46E+00	0.00672	4.34E+00	7	U	2.40E-04
041M03060	Bromodichloromethane	12/4/1995	75274		0.00672		7	U	
041M03060	Bromoform	12/4/1995	75252	1.22E+01	0.00672	8.19E+00	7	U	1.27E-04
041M03060	Bromomethane	12/4/1995	74839	4.03E+00	0.00672	2.71E+00	7	U	3.85E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03060	Carbon disulfide	12/4/1995	75150		0.00672		7	U	
041M03060	Carbon tetrachloride	12/4/1995	56235	7.73E+00	0.00672	5.20E+00	7	U	2.00E-04
041M03060	Chlorobenzene	12/4/1995	108907	5.59E+00	0.00672	3.75E+00	4	J	1.59E-04
041M03060	Chloroethane	12/4/1995	75003		0.00672		7	U	
041M03060	Chloroform	12/4/1995	67663	5.59E+00	0.00672	3.75E+00	7	U	2.77E-04
041M03060	Chloromethane	12/4/1995	74873	2.12E+00	0.00672	1.43E+00	7	U	7.31E-04
041M03060	cis-1,3-Dichloropropene	12/4/1995	10061015		0.00672		7	U	
041M03060	Dibromochloromethane	12/4/1995	124481		0.00672		7	U	
041M03060	Ethylbenzene	12/4/1995	100414	9.64E+00	0.00672	6.48E+00	7	U	1.61E-04
041M03060	Methylene chloride	12/4/1995	75092	3.73E+00	0.00672	2.51E+00	17	U	1.01E-03
041M03060	Styrene	12/4/1995	100425	9.18E+00	0.00672	6.17E+00	7	U	1.69E-04
041M03060	Tetrachloroethene	12/4/1995	127184	8.83E+00	0.00672	5.93E+00	7	U	1.76E-04
041M03060	Toluene	12/4/1995	108883	8.05E+00	0.00672	5.41E+00	7	U	1.93E-04
041M03060	trans-1,3-Dichloropropene	12/4/1995	10061026		0.00672		7	U	
041M03060	Trichloroethene	12/4/1995	79016	6.65E+00	0.00672	4.47E+00	7	U	2.33E-04
041M03060	Vinyl chloride	12/4/1995	75014		0.00672		2	U	
041M03060	Xylene (Total)	12/4/1995	1330207	9.70E+00	0.00672	6.52E+00	7	U	1.60E-04
041M03070	1,1,1-Trichloroethane	12/4/1995	71556	6.50E+00	0.0739	4.81E+01	28	U	7.88E-06
041M03070	1,1,2,2-Tetrachloroethane	12/4/1995	79345	8.13E+00	0.0739	6.01E+01	28	U	6.30E-06
041M03070	1,1,2-Trichloroethane	12/4/1995	79005	6.24E+00	0.0739	4.61E+01	28	U	8.21E-06
041M03070	1,1-Dichloroethane	12/4/1995	75343		0.0739		28	U	
041M03070	1,1-Dichloroethene	12/4/1995	75354	4.65E+00	0.0739	3.44E+01	28	U	1.10E-05
041M03070	1,2-Dichloroethane	12/4/1995	107062	4.43E+00	0.0739	3.27E+01	28	U	1.16E-05
041M03070	1,2-Dichloroethene (total)	12/4/1995	540590	4.61E+00	0.0739	3.41E+01	28	U	1.11E-05
041M03070	1,2-Dichloropropane	12/4/1995	78875	5.26E+00	0.0739	3.89E+01	28	U	9.74E-06
041M03070	2-Butanone (MEK)	12/4/1995	78933	2.93E+00	0.0739	2.16E+01	180		1.13E-04
041M03070	2-Hexanone	12/4/1995	591786	4.43E+00	0.0739	3.27E+01	28	U	1.16E-05
041M03070	4-Methyl-2-Pentanone (MIBK)	12/4/1995	108101	4.38E+00	0.0739	3.24E+01	28	U	1.17E-05
041M03070	Acetone	12/4/1995	67641	1.34E+01	0.0739	9.89E+01	1100	J	1.50E-04
041M03070	Benzene	12/4/1995	71432	6.46E+00	0.0739	4.78E+01	28	U	7.93E-06
041M03070	Bromodichloromethane	12/4/1995	75274		0.0739		28	U	
041M03070	Bromoform	12/4/1995	75252	1.22E+01	0.0739	9.00E+01	28	U	4.21E-06
041M03070	Bromomethane	12/4/1995	74839	4.03E+00	0.0739	2.98E+01	28	U	1.27E-05
041M03070	Carbon disulfide	12/4/1995	75150		0.0739		28	U	
041M03070	Carbon tetrachloride	12/4/1995	56235	7.73E+00	0.0739	5.72E+01	28	U	6.63E-06
041M03070	Chlorobenzene	12/4/1995	108907	5.59E+00	0.0739	4.13E+01	29	J	9.51E-06
041M03070	Chloroethane	12/4/1995	75003		0.0739		28	U	
041M03070	Chloroform	12/4/1995	67663	5.59E+00	0.0739	4.13E+01	28	U	9.18E-06
041M03070	Chloromethane	12/4/1995	74873	2.12E+00	0.0739	1.57E+01	28	U	2.42E-05
041M03070	cis-1,3-Dichloropropene	12/4/1995	10061015		0.0739		28	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 2 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03070	Dibromochloromethane	12/4/1995	124481		0.0739		28	U	
041M03070	Ethylbenzene	12/4/1995	100414	9.64E+00	0.0739	7.12E+01	28	U	5.32E-06
041M03070	Methylene chloride	12/4/1995	75092	3.73E+00	0.0739	2.76E+01	30.5	U	1.50E-05
041M03070	Styrene	12/4/1995	100425	9.18E+00	0.0739	6.78E+01	28	U	5.59E-06
041M03070	Tetrachloroethene	12/4/1995	127184	8.83E+00	0.0739	6.52E+01	28	U	5.81E-06
041M03070	Toluene	12/4/1995	108883	8.05E+00	0.0739	5.95E+01	2	J	4.55E-07
041M03070	trans-1,3-Dichloropropene	12/4/1995	10061026		0.0739		28	U	
041M03070	Trichloroethene	12/4/1995	79016	6.65E+00	0.0739	4.92E+01	28	U	7.71E-06
041M03070	Vinyl chloride	12/4/1995	75014		0.0739		8.5	U	
041M03070	Xylene (Total)	12/4/1995	1330207	9.70E+00	0.0739	7.17E+01	28	U	5.29E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 2 Wetland: 4D Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M04D1	1,1,1-Trichloroethane	12/5/1995	71556	6.50E+00	0.033	2.15E+01	18	U	2.54E-05
041M04D1	1,1,2,2-Tetrachloroethane	12/5/1995	79345	8.13E+00	0.033	2.68E+01	18	U	2.03E-05
041M04D1	1,1,2-Trichloroethane	12/5/1995	79005	6.24E+00	0.033	2.06E+01	18	U	2.65E-05
041M04D1	1,1-Dichloroethane	12/5/1995	75343		0.033		18	U	
041M04D1	1,1-Dichloroethene	12/5/1995	75354	4.65E+00	0.033	1.53E+01	18	U	3.56E-05
041M04D1	1,2-Dichloroethane	12/5/1995	107062	4.43E+00	0.033	1.46E+01	18	U	3.73E-05
041M04D1	1,2-Dichloroethene (total)	12/5/1995	540590	4.61E+00	0.033	1.52E+01	18	U	3.58E-05
041M04D1	1,2-Dichloropropane	12/5/1995	78875	5.26E+00	0.033	1.74E+01	18	U	3.14E-05
041M04D1	2-Butanone (MEK)	12/5/1995	78933	2.93E+00	0.033	9.66E+00	18	U	5.64E-05
041M04D1	2-Hexanone	12/5/1995	591786	4.43E+00	0.033	1.46E+01	18	U	3.73E-05
041M04D1	4-Methyl-2-Pentanone (MIBK)	12/5/1995	108101	4.38E+00	0.033	1.45E+01	18	U	3.77E-05
041M04D1	Acetone	12/5/1995	67641	1.34E+01	0.033	4.42E+01	125	U	8.58E-05
041M04D1	Benzene	12/5/1995	71432	6.46E+00	0.033	2.13E+01	18	U	2.56E-05
041M04D1	Bromodichloromethane	12/5/1995	75274		0.033		18	U	
041M04D1	Bromoform	12/5/1995	75252	1.22E+01	0.033	4.02E+01	18	U	1.36E-05
041M04D1	Bromomethane	12/5/1995	74839	4.03E+00	0.033	1.33E+01	18	U	4.10E-05
041M04D1	Carbon disulfide	12/5/1995	75150		0.033		27	J	
041M04D1	Carbon tetrachloride	12/5/1995	56235	7.73E+00	0.033	2.55E+01	18	U	2.14E-05
041M04D1	Chlorobenzene	12/5/1995	108907	5.59E+00	0.033	1.84E+01	18	U	2.96E-05
041M04D1	Chloroethane	12/5/1995	75003		0.033		18	U	
041M04D1	Chloroform	12/5/1995	67663	5.59E+00	0.033	1.84E+01	18	U	2.96E-05
041M04D1	Chloromethane	12/5/1995	74873	2.12E+00	0.033	7.00E+00	18	U	7.79E-05
041M04D1	cis-1,3-Dichloropropene	12/5/1995	10061015		0.033		18	U	
041M04D1	Dibromochloromethane	12/5/1995	124481		0.033		18	U	
041M04D1	Ethylbenzene	12/5/1995	100414	9.64E+00	0.033	3.18E+01	18	U	1.72E-05
041M04D1	Methylene chloride	12/5/1995	75092	3.73E+00	0.033	1.23E+01	19	U	4.68E-05
041M04D1	Styrene	12/5/1995	100425	9.18E+00	0.033	3.03E+01	18	U	1.80E-05
041M04D1	Tetrachloroethene	12/5/1995	127184	8.83E+00	0.033	2.91E+01	18	U	1.87E-05
041M04D1	Toluene	12/5/1995	108883	8.05E+00	0.033	2.66E+01	18	U	2.05E-05
041M04D1	trans-1,3-Dichloropropene	12/5/1995	10061026		0.033		18	U	
041M04D1	Trichloroethene	12/5/1995	79016	6.65E+00	0.033	2.20E+01	18	U	2.48E-05
041M04D1	Vinyl chloride	12/5/1995	75014		0.033		5.5	U	
041M04D1	Xylene (Total)	12/5/1995	1330207	9.70E+00	0.033	3.20E+01	18	U	1.70E-05
041M04D2	1,1,1-Trichloroethane	12/5/1995	71556	6.50E+00	0.0451	2.93E+01	18	U	1.36E-05
041M04D2	1,1,2,2-Tetrachloroethane	12/5/1995	79345	8.13E+00	0.0451	3.67E+01	18	U	1.09E-05
041M04D2	1,1,2-Trichloroethane	12/5/1995	79005	6.24E+00	0.0451	2.82E+01	18	U	1.42E-05
041M04D2	1,1-Dichloroethane	12/5/1995	75343		0.0451		18	U	
041M04D2	1,1-Dichloroethene	12/5/1995	75354	4.65E+00	0.0451	2.10E+01	18	U	1.90E-05
041M04D2	1,2-Dichloroethane	12/5/1995	107062	4.43E+00	0.0451	2.00E+01	18	U	2.00E-05
041M04D2	1,2-Dichloroethene (total)	12/5/1995	540590	4.61E+00	0.0451	2.08E+01	18	U	1.92E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 2 Wetland: 4D Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M04D2	1,2-Dichloropropane	12/5/1995	78875	5.26E+00	0.0451	2.37E+01	18	U	1.68E-05
041M04D2	2-Butanone (MEK)	12/5/1995	78933	2.93E+00	0.0451	1.32E+01	18	U	3.02E-05
041M04D2	2-Hexanone	12/5/1995	591786	4.43E+00	0.0451	2.00E+01	18	U	2.00E-05
041M04D2	4-Methyl-2-Pentanone (MIBK)	12/5/1995	108101	4.38E+00	0.0451	1.98E+01	18	U	2.02E-05
041M04D2	Acetone	12/5/1995	67641	1.34E+01	0.0451	6.04E+01	250		9.18E-05
041M04D2	Benzene	12/5/1995	71432	6.46E+00	0.0451	2.91E+01	18	U	1.37E-05
041M04D2	Bromodichloromethane	12/5/1995	75274		0.0451		18	U	
041M04D2	Bromoform	12/5/1995	75252	1.22E+01	0.0451	5.50E+01	18	U	7.26E-06
041M04D2	Bromomethane	12/5/1995	74839	4.03E+00	0.0451	1.82E+01	18	U	2.20E-05
041M04D2	Carbon disulfide	12/5/1995	75150		0.0451		4	J	
041M04D2	Carbon tetrachloride	12/5/1995	56235	7.73E+00	0.0451	3.49E+01	18	U	1.14E-05
041M04D2	Chlorobenzene	12/5/1995	108907	5.59E+00	0.0451	2.52E+01	18	U	1.58E-05
041M04D2	Chloroethane	12/5/1995	75003		0.0451		18	U	
041M04D2	Chloroform	12/5/1995	67663	5.59E+00	0.0451	2.52E+01	18	U	1.58E-05
041M04D2	Chloromethane	12/5/1995	74873	2.12E+00	0.0451	9.57E+00	18	U	4.17E-05
041M04D2	cis-1,3-Dichloropropene	12/5/1995	10061015		0.0451		18	U	
041M04D2	Dibromochloromethane	12/5/1995	124481		0.0451		18	U	
041M04D2	Ethylbenzene	12/5/1995	100414	9.64E+00	0.0451	4.35E+01	18	U	9.18E-06
041M04D2	Methylene chloride	12/5/1995	75092	3.73E+00	0.0451	1.68E+01	23.5	U	3.10E-05
041M04D2	Styrene	12/5/1995	100425	9.18E+00	0.0451	4.14E+01	18	U	9.64E-06
041M04D2	Tetrachloroethene	12/5/1995	127184	8.83E+00	0.0451	3.98E+01	18	U	1.00E-05
041M04D2	Toluene	12/5/1995	108883	8.05E+00	0.0451	3.63E+01	18	U	1.10E-05
041M04D2	trans-1,3-Dichloropropene	12/5/1995	10061026		0.0451		18	U	
041M04D2	Trichloroethene	12/5/1995	79016	6.65E+00	0.0451	3.00E+01	18	U	1.33E-05
041M04D2	Vinyl chloride	12/5/1995	75014		0.0451		5.5	U	
041M04D2	Xylene (Total)	12/5/1995	1330207	9.70E+00	0.0451	4.37E+01	18	U	9.13E-06
041M04D3	1,1,1-Trichloroethane	12/5/1995	71556	6.50E+00	0.00204	1.33E+00	7	U	2.59E-03
041M04D3	1,1,2,2-Tetrachloroethane	12/5/1995	79345	8.13E+00	0.00204	1.66E+00	7	U	2.07E-03
041M04D3	1,1,2-Trichloroethane	12/5/1995	79005	6.24E+00	0.00204	1.27E+00	7	U	2.69E-03
041M04D3	1,1-Dichloroethane	12/5/1995	75343		0.00204		7	U	
041M04D3	1,1-Dichloroethene	12/5/1995	75354	4.65E+00	0.00204	9.48E-01	7	U	3.62E-03
041M04D3	1,2-Dichloroethane	12/5/1995	107062	4.43E+00	0.00204	9.04E-01	7	U	3.80E-03
041M04D3	1,2-Dichloroethene (total)	12/5/1995	540590	4.61E+00	0.00204	9.41E-01	7	U	3.65E-03
041M04D3	1,2-Dichloropropane	12/5/1995	78875	5.26E+00	0.00204	1.07E+00	7	U	3.20E-03
041M04D3	2-Butanone (MEK)	12/5/1995	78933	2.93E+00	0.00204	5.97E-01	7	U	5.74E-03
041M04D3	2-Hexanone	12/5/1995	591786	4.43E+00	0.00204	9.04E-01	7	U	3.80E-03
041M04D3	4-Methyl-2-Pentanone (MIBK)	12/5/1995	108101	4.38E+00	0.00204	8.94E-01	7	U	3.84E-03
041M04D3	Acetone	12/5/1995	67641	1.34E+01	0.00204	2.73E+00	33		5.92E-03
041M04D3	Benzene	12/5/1995	71432	6.46E+00	0.00204	1.32E+00	7	U	2.60E-03
041M04D3	Bromodichloromethane	12/5/1995	75274		0.00204		7	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 2 Wetland: 4D Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M04D3	Bromoform	12/5/1995	75252	1.22E+01	0.00204	2.49E+00	7	U	1.38E-03
041M04D3	Bromomethane	12/5/1995	74839	4.03E+00	0.00204	8.22E-01	7	U	4.18E-03
041M04D3	Carbon disulfide	12/5/1995	75150		0.00204		7	U	
041M04D3	Carbon tetrachloride	12/5/1995	56235	7.73E+00	0.00204	1.58E+00	7	U	2.17E-03
041M04D3	Chlorobenzene	12/5/1995	108907	5.59E+00	0.00204	1.14E+00	7	U	3.01E-03
041M04D3	Chloroethane	12/5/1995	75003		0.00204		7	U	
041M04D3	Chloroform	12/5/1995	67663	5.59E+00	0.00204	1.14E+00	7	U	3.01E-03
041M04D3	Chloromethane	12/5/1995	74873	2.12E+00	0.00204	4.33E-01	7	U	7.93E-03
041M04D3	cis-1,3-Dichloropropene	12/5/1995	10061015		0.00204		7	U	
041M04D3	Dibromochloromethane	12/5/1995	124481		0.00204		7	U	
041M04D3	Ethylbenzene	12/5/1995	100414	9.64E+00	0.00204	1.97E+00	7	U	1.75E-03
041M04D3	Methylene chloride	12/5/1995	75092	3.73E+00	0.00204	7.61E-01	7	U	4.51E-03
041M04D3	Styrene	12/5/1995	100425	9.18E+00	0.00204	1.87E+00	7	U	1.83E-03
041M04D3	Tetrachloroethene	12/5/1995	127184	8.83E+00	0.00204	1.80E+00	7	U	1.91E-03
041M04D3	Toluene	12/5/1995	108883	8.05E+00	0.00204	1.64E+00	7	U	2.09E-03
041M04D3	trans-1,3-Dichloropropene	12/5/1995	10061026		0.00204		7	U	
041M04D3	Trichloroethene	12/5/1995	79016	6.65E+00	0.00204	1.36E+00	7	U	2.53E-03
041M04D3	Vinyl chloride	12/5/1995	75014		0.00204		2	U	
041M04D3	Xylene (Total)	12/5/1995	1330207	9.70E+00	0.00204	1.98E+00	7	U	1.73E-03
041M04D4	1,1,1-Trichloroethane	12/5/1995	71556	6.50E+00	0.07	4.55E+01	18.5	U	5.80E-06
041M04D4	1,1,2,2-Tetrachloroethane	12/5/1995	79345	8.13E+00	0.07	5.69E+01	18.5	U	4.64E-06
041M04D4	1,1,2-Trichloroethane	12/5/1995	79005	6.24E+00	0.07	4.37E+01	18.5	U	6.05E-06
041M04D4	1,1-Dichloroethane	12/5/1995	75343		0.07		18.5	U	
041M04D4	1,1-Dichloroethene	12/5/1995	75354	4.65E+00	0.07	3.25E+01	18.5	U	8.12E-06
041M04D4	1,2-Dichloroethane	12/5/1995	107062	4.43E+00	0.07	3.10E+01	18.5	U	8.52E-06
041M04D4	1,2-Dichloroethene (total)	12/5/1995	540590	4.61E+00	0.07	3.23E+01	18.5	U	8.19E-06
041M04D4	1,2-Dichloropropane	12/5/1995	78875	5.26E+00	0.07	3.69E+01	18.5	U	7.17E-06
041M04D4	2-Butanone (MEK)	12/5/1995	78933	2.93E+00	0.07	2.05E+01	18.5	U	1.29E-05
041M04D4	2-Hexanone	12/5/1995	591786	4.43E+00	0.07	3.10E+01	18.5	U	8.52E-06
041M04D4	4-Methyl-2-Pentanone (MIBK)	12/5/1995	108101	4.38E+00	0.07	3.07E+01	18.5	U	8.61E-06
041M04D4	Acetone	12/5/1995	67641	1.34E+01	0.07	9.37E+01	280		4.27E-05
041M04D4	Benzene	12/5/1995	71432	6.46E+00	0.07	4.52E+01	18.5	U	5.84E-06
041M04D4	Bromodichloromethane	12/5/1995	75274		0.07		18.5	U	
041M04D4	Bromoform	12/5/1995	75252	1.22E+01	0.07	8.53E+01	18.5	U	3.10E-06
041M04D4	Bromomethane	12/5/1995	74839	4.03E+00	0.07	2.82E+01	18.5	U	9.37E-06
041M04D4	Carbon disulfide	12/5/1995	75150		0.07		18	J	
041M04D4	Carbon tetrachloride	12/5/1995	56235	7.73E+00	0.07	5.41E+01	18.5	U	4.88E-06
041M04D4	Chlorobenzene	12/5/1995	108907	5.59E+00	0.07	3.91E+01	18.5	U	6.76E-06
041M04D4	Chloroethane	12/5/1995	75003		0.07		18.5	U	
041M04D4	Chloroform	12/5/1995	67663	5.59E+00	0.07	3.91E+01	18.5	U	6.76E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 2 Wetland: 4D Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M04D4	Chloromethane	12/5/1995	74873	2.12E+00	0.07	1.48E+01	18.5	U	1.78E-05
041M04D4	cis-1,3-Dichloropropene	12/5/1995	10061015		0.07		18.5	U	
041M04D4	Dibromochloromethane	12/5/1995	124481		0.07		18.5	U	
041M04D4	Ethylbenzene	12/5/1995	100414	9.64E+00	0.07	6.75E+01	18.5	U	3.92E-06
041M04D4	Methylene chloride	12/5/1995	75092	3.73E+00	0.07	2.61E+01	19	U	1.04E-05
041M04D4	Styrene	12/5/1995	100425	9.18E+00	0.07	6.42E+01	18.5	U	4.11E-06
041M04D4	Tetrachloroethene	12/5/1995	127184	8.83E+00	0.07	6.18E+01	18.5	U	4.28E-06
041M04D4	Toluene	12/5/1995	108883	8.05E+00	0.07	5.63E+01	18.5	U	4.69E-06
041M04D4	trans-1,3-Dichloropropene	12/5/1995	10061026		0.07		18.5	U	
041M04D4	Trichloroethene	12/5/1995	79016	6.65E+00	0.07	4.66E+01	18.5	U	5.68E-06
041M04D4	Vinyl chloride	12/5/1995	75014		0.07		5.5	U	
041M04D4	Xylene (Total)	12/5/1995	1330207	9.70E+00	0.07	6.79E+01	18.5	U	3.89E-06
041M04D5	1,1,1-Trichloroethane	12/5/1995	71556	6.50E+00	0.00154	1.00E+00	6	U	3.89E-03
041M04D5	1,1,2,2-Tetrachloroethane	12/5/1995	79345	8.13E+00	0.00154	1.25E+00	6	U	3.11E-03
041M04D5	1,1,2-Trichloroethane	12/5/1995	79005	6.24E+00	0.00154	9.61E-01	6	U	4.05E-03
041M04D5	1,1-Dichloroethane	12/5/1995	75343		0.00154		6	U	
041M04D5	1,1-Dichloroethene	12/5/1995	75354	4.65E+00	0.00154	7.16E-01	6	U	5.44E-03
041M04D5	1,2-Dichloroethane	12/5/1995	107062	4.43E+00	0.00154	6.82E-01	6	U	5.71E-03
041M04D5	1,2-Dichloroethene (total)	12/5/1995	540590	4.61E+00	0.00154	7.10E-01	6	U	5.48E-03
041M04D5	1,2-Dichloropropane	12/5/1995	78875	5.26E+00	0.00154	8.11E-01	6	U	4.81E-03
041M04D5	2-Butanone (MEK)	12/5/1995	78933	2.93E+00	0.00154	4.51E-01	6	U	8.64E-03
041M04D5	2-Hexanone	12/5/1995	591786	4.43E+00	0.00154	6.82E-01	6	U	5.71E-03
041M04D5	4-Methyl-2-Pentanone (MIBK)	12/5/1995	108101	4.38E+00	0.00154	6.75E-01	6	U	5.77E-03
041M04D5	Acetone	12/5/1995	67641	1.34E+01	0.00154	2.06E+00	60		1.89E-02
041M04D5	Benzene	12/5/1995	71432	6.46E+00	0.00154	9.95E-01	6	U	3.92E-03
041M04D5	Bromodichloromethane	12/5/1995	75274		0.00154		6	U	
041M04D5	Bromoform	12/5/1995	75252	1.22E+01	0.00154	1.88E+00	6	U	2.08E-03
041M04D5	Bromomethane	12/5/1995	74839	4.03E+00	0.00154	6.20E-01	6	U	6.28E-03
041M04D5	Carbon disulfide	12/5/1995	75150		0.00154		6	U	
041M04D5	Carbon tetrachloride	12/5/1995	56235	7.73E+00	0.00154	1.19E+00	6	U	3.27E-03
041M04D5	Chlorobenzene	12/5/1995	108907	5.59E+00	0.00154	8.60E-01	6	U	4.53E-03
041M04D5	Chloroethane	12/5/1995	75003		0.00154		6	U	
041M04D5	Chloroform	12/5/1995	67663	5.59E+00	0.00154	8.60E-01	6	U	4.53E-03
041M04D5	Chloromethane	12/5/1995	74873	2.12E+00	0.00154	3.27E-01	6	U	1.19E-02
041M04D5	cis-1,3-Dichloropropene	12/5/1995	10061015		0.00154		6	U	
041M04D5	Dibromochloromethane	12/5/1995	124481		0.00154		6	U	
041M04D5	Ethylbenzene	12/5/1995	100414	9.64E+00	0.00154	1.48E+00	6	U	2.63E-03
041M04D5	Methylene chloride	12/5/1995	75092	3.73E+00	0.00154	5.74E-01	6	U	6.79E-03
041M04D5	Styrene	12/5/1995	100425	9.18E+00	0.00154	1.41E+00	6	U	2.76E-03
041M04D5	Tetrachloroethene	12/5/1995	127184	8.83E+00	0.00154	1.36E+00	6	U	2.87E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 2 Wetland: 4D Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M04D5	Toluene	12/5/1995	108883	8.05E+00	0.00154	1.24E+00	6	U	3.14E-03
041M04D5	trans-1,3-Dichloropropene	12/5/1995	10061026		0.00154		6	U	
041M04D5	Trichloroethene	12/5/1995	79016	6.65E+00	0.00154	1.02E+00	6	U	3.80E-03
041M04D5	Vinyl chloride	12/5/1995	75014		0.00154		1.5	U	
041M04D5	Xylene (Total)	12/5/1995	1330207	9.70E+00	0.00154	1.49E+00	6	U	2.61E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A01	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.254	1.65E+02	21.5	U	5.12E-07
041M5A01	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.254	2.07E+02	21.5	U	4.10E-07
041M5A01	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.254	1.59E+02	21.5	U	5.34E-07
041M5A01	1,1-Dichloroethane	11/16/1995	75343		0.254		21.5	U	
041M5A01	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.254	1.18E+02	21.5	U	7.17E-07
041M5A01	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.254	1.12E+02	21.5	U	7.52E-07
041M5A01	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.254	1.17E+02	21.5	U	7.22E-07
041M5A01	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.254	1.34E+02	21.5	U	6.33E-07
041M5A01	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.254	7.44E+01	21.5	U	1.14E-06
041M5A01	2-Hexanone	11/16/1995	591786	4.43E+00	0.254	1.13E+02	21.5	U	7.52E-07
041M5A01	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.254	1.11E+02	21.5	U	7.60E-07
041M5A01	Acetone	11/16/1995	67641	1.34E+01	0.254	3.40E+02	1600	D	1.85E-05
041M5A01	Benzene	11/16/1995	71432	6.46E+00	0.254	1.64E+02	21.5	U	5.16E-07
041M5A01	Bromodichloromethane	11/16/1995	75274		0.254		21.5	U	
041M5A01	Bromoform	11/16/1995	75252	1.22E+01	0.254	3.09E+02	21.5	U	2.74E-07
041M5A01	Bromomethane	11/16/1995	74839	4.03E+00	0.254	1.02E+02	21.5	U	8.27E-07
041M5A01	Carbon disulfide	11/16/1995	75150		0.254		21.5	U	
041M5A01	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.254	1.96E+02	21.5	U	4.31E-07
041M5A01	Chlorobenzene	11/16/1995	108907	5.59E+00	0.254	1.42E+02	21.5	U	5.97E-07
041M5A01	Chloroethane	11/16/1995	75003		0.254		21.5	U	
041M5A01	Chloroform	11/16/1995	67663	5.59E+00	0.254	1.42E+02	21.5	U	5.97E-07
041M5A01	Chloromethane	11/16/1995	74873	2.12E+00	0.254	5.39E+01	21.5	U	1.57E-06
041M5A01	cis-1,3-Dichloropropene	11/16/1995	10061015		0.254		21.5	U	
041M5A01	Dibromochloromethane	11/16/1995	124481		0.254		21.5	U	
041M5A01	Ethylbenzene	11/16/1995	100414	9.64E+00	0.254	2.45E+02	21.5	U	3.46E-07
041M5A01	Methylene chloride	11/16/1995	75092	3.73E+00	0.254	9.47E+01	250	J	1.04E-05
041M5A01	Styrene	11/16/1995	100425	9.18E+00	0.254	2.33E+02	21.5	U	3.63E-07
041M5A01	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.254	2.24E+02	21.5	U	3.78E-07
041M5A01	Toluene	11/16/1995	108883	8.05E+00	0.254	2.04E+02	110		2.12E-06
041M5A01	trans-1,3-Dichloropropene	11/16/1995	10061026		0.254		21.5	U	
041M5A01	Trichloroethene	11/16/1995	79016	6.65E+00	0.254	1.69E+02	21.5	U	5.01E-07
041M5A01	Vinyl chloride	11/16/1995	75014		0.254		6.5	U	
041M5A01	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.254	2.46E+02	21.5	U	3.44E-07
041M5A02	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0375	2.44E+01	10.5	U	1.15E-05
041M5A02	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0375	3.05E+01	10.5	U	9.18E-06
041M5A02	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0375	2.34E+01	10.5	U	1.20E-05
041M5A02	1,1-Dichloroethane	11/16/1995	75343		0.0375		10.5	U	
041M5A02	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0375	1.74E+01	10.5	U	1.61E-05
041M5A02	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0375	1.66E+01	10.5	U	1.69E-05
041M5A02	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0375	1.73E+01	10.5	U	1.62E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A02	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0375	1.97E+01	10.5	U	1.42E-05
041M5A02	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0375	1.10E+01	10.5	U	2.55E-05
041M5A02	2-Hexanone	11/16/1995	591786	4.43E+00	0.0375	1.66E+01	10.5	U	1.69E-05
041M5A02	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0375	1.64E+01	10.5	U	1.70E-05
041M5A02	Acetone	11/16/1995	67641	1.34E+01	0.0375	5.02E+01	5200	J	2.76E-03
041M5A02	Benzene	11/16/1995	71432	6.46E+00	0.0375	2.42E+01	10.5	U	1.16E-05
041M5A02	Bromodichloromethane	11/16/1995	75274		0.0375		10.5	U	
041M5A02	Bromoform	11/16/1995	75252	1.22E+01	0.0375	4.57E+01	10.5	U	6.13E-06
041M5A02	Bromomethane	11/16/1995	74839	4.03E+00	0.0375	1.51E+01	10.5	U	1.85E-05
041M5A02	Carbon disulfide	11/16/1995	75150		0.0375		10.5	U	
041M5A02	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0375	2.90E+01	10.5	U	9.65E-06
041M5A02	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0375	2.09E+01	10.5	U	1.34E-05
041M5A02	Chloroethane	11/16/1995	75003		0.0375		10.5	U	
041M5A02	Chloroform	11/16/1995	67663	5.59E+00	0.0375	2.09E+01	10.5	U	1.34E-05
041M5A02	Chloromethane	11/16/1995	74873	2.12E+00	0.0375	7.95E+00	10.5	U	3.52E-05
041M5A02	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0375		10.5	U	
041M5A02	Dibromochloromethane	11/16/1995	124481		0.0375		10.5	U	
041M5A02	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0375	3.61E+01	10.5	U	7.75E-06
041M5A02	Methylene chloride	11/16/1995	75092	3.73E+00	0.0375	1.40E+01	10.5	U	2.00E-05
041M5A02	Styrene	11/16/1995	100425	9.18E+00	0.0375	3.44E+01	10.5	U	8.14E-06
041M5A02	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0375	3.31E+01	10.5	U	8.46E-06
041M5A02	Toluene	11/16/1995	108883	8.05E+00	0.0375	3.02E+01	10.5	U	9.28E-06
041M5A02	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0375		10.5	U	
041M5A02	Trichloroethene	11/16/1995	79016	6.65E+00	0.0375	2.49E+01	10.5	U	1.12E-05
041M5A02	Vinyl chloride	11/16/1995	75014		0.0375		3	U	
041M5A02	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0375	3.64E+01	10.5	U	7.70E-06
041M5A03	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0997	6.49E+01	13	U	2.01E-06
041M5A03	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0997	8.11E+01	13	U	1.61E-06
041M5A03	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0997	6.22E+01	13	U	2.09E-06
041M5A03	1,1-Dichloroethane	11/16/1995	75343		0.0997		13	U	
041M5A03	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0997	4.64E+01	13	U	2.81E-06
041M5A03	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0997	4.42E+01	13	U	2.95E-06
041M5A03	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0997	4.60E+01	13	U	2.84E-06
041M5A03	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0997	5.25E+01	13	U	2.48E-06
041M5A03	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0997	2.92E+01	13	U	4.47E-06
041M5A03	2-Hexanone	11/16/1995	591786	4.43E+00	0.0997	4.42E+01	13	U	2.95E-06
041M5A03	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0997	4.37E+01	13	U	2.98E-06
041M5A03	Acetone	11/16/1995	67641	1.34E+01	0.0997	1.33E+02	4400	J	3.31E-04
041M5A03	Benzene	11/16/1995	71432	6.46E+00	0.0997	6.44E+01	13	U	2.02E-06
041M5A03	Bromodichloromethane	11/16/1995	75274		0.0997		13	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A03	Bromoform	11/16/1995	75252	1.22E+01	0.0997	1.21E+02	13	U	1.07E-06
041M5A03	Bromomethane	11/16/1995	74839	4.03E+00	0.0997	4.02E+01	13	U	3.25E-06
041M5A03	Carbon disulfide	11/16/1995	75150		0.0997		13	U	
041M5A03	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0997	7.71E+01	13	U	1.69E-06
041M5A03	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0997	5.57E+01	13	U	2.34E-06
041M5A03	Chloroethane	11/16/1995	75003		0.0997		13	U	
041M5A03	Chloroform	11/16/1995	67663	5.59E+00	0.0997	5.57E+01	13	U	2.34E-06
041M5A03	Chloromethane	11/16/1995	74873	2.12E+00	0.0997	2.11E+01	13	U	6.17E-06
041M5A03	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0997		13	U	
041M5A03	Dibromochloromethane	11/16/1995	124481		0.0997		13	U	
041M5A03	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0997	9.61E+01	13	U	1.36E-06
041M5A03	Methylene chloride	11/16/1995	75092	3.73E+00	0.0997	3.72E+01	13	U	3.51E-06
041M5A03	Styrene	11/16/1995	100425	9.18E+00	0.0997	9.15E+01	13	U	1.43E-06
041M5A03	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0997	8.80E+01	13	U	1.48E-06
041M5A03	Toluene	11/16/1995	108883	8.05E+00	0.0997	8.02E+01	5	J	6.25E-07
041M5A03	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0997		13	U	
041M5A03	Trichloroethene	11/16/1995	79016	6.65E+00	0.0997	6.63E+01	13	U	1.97E-06
041M5A03	Vinyl chloride	11/16/1995	75014		0.0997		4	U	
041M5A03	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0997	9.67E+01	13	U	1.35E-06
041M5A04	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.409	2.66E+02	41.5	U	3.81E-07
041M5A04	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.409	3.33E+02	41.5	U	3.05E-07
041M5A04	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.409	2.55E+02	41.5	U	3.97E-07
041M5A04	1,1-Dichloroethane	11/16/1995	75343		0.409		41.5	U	
041M5A04	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.409	1.90E+02	41.5	U	5.34E-07
041M5A04	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.409	1.81E+02	41.5	U	5.60E-07
041M5A04	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.409	1.89E+02	41.5	U	5.38E-07
041M5A04	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.409	2.15E+02	41.5	U	4.71E-07
041M5A04	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.409	1.20E+02	41.5	U	8.47E-07
041M5A04	2-Hexanone	11/16/1995	591786	4.43E+00	0.409	1.81E+02	41.5	U	5.60E-07
041M5A04	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.409	1.79E+02	41.5	U	5.66E-07
041M5A04	Acetone	11/16/1995	67641	1.34E+01	0.409	5.47E+02	450		2.01E-06
041M5A04	Benzene	11/16/1995	71432	6.46E+00	0.409	2.64E+02	41.5	U	3.84E-07
041M5A04	Bromodichloromethane	11/16/1995	75274		0.409		41.5	U	
041M5A04	Bromoform	11/16/1995	75252	1.22E+01	0.409	4.98E+02	41.5	U	2.04E-07
041M5A04	Bromomethane	11/16/1995	74839	4.03E+00	0.409	1.65E+02	41.5	U	6.16E-07
041M5A04	Carbon disulfide	11/16/1995	75150		0.409		41.5	U	
041M5A04	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.409	3.16E+02	41.5	U	3.21E-07
041M5A04	Chlorobenzene	11/16/1995	108907	5.59E+00	0.409	2.28E+02	41.5	U	4.44E-07
041M5A04	Chloroethane	11/16/1995	75003		0.409		41.5	U	
041M5A04	Chloroform	11/16/1995	67663	5.59E+00	0.409	2.28E+02	41.5	U	4.44E-07

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A04	Chloromethane	11/16/1995	74873	2.12E+00	0.409	8.68E+01	41.5	U	1.17E-06
041M5A04	cis-1,3-Dichloropropene	11/16/1995	10061015		0.409		41.5	U	
041M5A04	Dibromochloromethane	11/16/1995	124481		0.409		41.5	U	
041M5A04	Ethylbenzene	11/16/1995	100414	9.64E+00	0.409	3.94E+02	41.5	U	2.57E-07
041M5A04	Methylene chloride	11/16/1995	75092	3.73E+00	0.409	1.52E+02	41.5	U	6.65E-07
041M5A04	Styrene	11/16/1995	100425	9.18E+00	0.409	3.75E+02	41.5	U	2.70E-07
041M5A04	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.409	3.61E+02	41.5	U	2.81E-07
041M5A04	Toluene	11/16/1995	108883	8.05E+00	0.409	3.29E+02	280		2.08E-06
041M5A04	trans-1,3-Dichloropropene	11/16/1995	10061026		0.409		41.5	U	
041M5A04	Trichloroethene	11/16/1995	79016	6.65E+00	0.409	2.72E+02	41.5	U	3.73E-07
041M5A04	Vinyl chloride	11/16/1995	75014		0.409		12.5	U	
041M5A04	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.409	3.97E+02	41.5	U	2.56E-07
041M5A05	1,1,1-Trichloroethane	11/27/1995	71556	6.50E+00	0.153	9.95E+01	26.5	U	1.74E-06
041M5A05	1,1,2,2-Tetrachloroethane	11/27/1995	79345	8.13E+00	0.153	1.24E+02	26.5	U	1.39E-06
041M5A05	1,1,2-Trichloroethane	11/27/1995	79005	6.24E+00	0.153	9.55E+01	26.5	U	1.81E-06
041M5A05	1,1-Dichloroethane	11/27/1995	75343		0.153		26.5	U	
041M5A05	1,1-Dichloroethene	11/27/1995	75354	4.65E+00	0.153	7.11E+01	26.5	U	2.44E-06
041M5A05	1,2-Dichloroethane	11/27/1995	107062	4.43E+00	0.153	6.78E+01	26.5	U	2.56E-06
041M5A05	1,2-Dichloroethene (total)	11/27/1995	540590	4.61E+00	0.153	7.06E+01	26.5	U	2.45E-06
041M5A05	1,2-Dichloropropane	11/27/1995	78875	5.26E+00	0.153	8.05E+01	26.5	U	2.15E-06
041M5A05	2-Butanone (MEK)	11/27/1995	78933	2.93E+00	0.153	4.48E+01	26.5	U	3.87E-06
041M5A05	2-Hexanone	11/27/1995	591786	4.43E+00	0.153	6.78E+01	26.5	U	2.56E-06
041M5A05	4-Methyl-2-Pentanone (MIBK)	11/27/1995	108101	4.38E+00	0.153	6.71E+01	26.5	U	2.58E-06
041M5A05	Acetone	11/27/1995	67641	1.34E+01	0.153	2.05E+02	65	U	2.07E-06
041M5A05	Benzene	11/27/1995	71432	6.46E+00	0.153	9.89E+01	26.5	U	1.75E-06
041M5A05	Bromodichloromethane	11/27/1995	75274		0.153		26.5	U	
041M5A05	Bromoform	11/27/1995	75252	1.22E+01	0.153	1.86E+02	26.5	U	9.29E-07
041M5A05	Bromomethane	11/27/1995	74839	4.03E+00	0.153	6.16E+01	26.5	U	2.81E-06
041M5A05	Carbon disulfide	11/27/1995	75150		0.153		26.5	U	
041M5A05	Carbon tetrachloride	11/27/1995	56235	7.73E+00	0.153	1.18E+02	26.5	U	1.46E-06
041M5A05	Chlorobenzene	11/27/1995	108907	5.59E+00	0.153	8.55E+01	26.5	U	2.03E-06
041M5A05	Chloroethane	11/27/1995	75003		0.153		26.5	U	
041M5A05	Chloroform	11/27/1995	67663	5.59E+00	0.153	8.55E+01	26.5	U	2.03E-06
041M5A05	Chloromethane	11/27/1995	74873	2.12E+00	0.153	3.25E+01	26.5	U	5.34E-06
041M5A05	cis-1,3-Dichloropropene	11/27/1995	10061015		0.153		26.5	U	
041M5A05	Dibromochloromethane	11/27/1995	124481		0.153		26.5	U	
041M5A05	Ethylbenzene	11/27/1995	100414	9.64E+00	0.153	1.47E+02	26.5	U	1.17E-06
041M5A05	Methylene chloride	11/27/1995	75092	3.73E+00	0.153	5.70E+01	31	U	3.55E-06
041M5A05	Styrene	11/27/1995	100425	9.18E+00	0.153	1.40E+02	26.5	U	1.23E-06
041M5A05	Tetrachloroethene	11/27/1995	127184	8.83E+00	0.153	1.35E+02	26.5	U	1.28E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A05	Toluene	11/27/1995	108883	8.05E+00	0.153	1.23E+02	26.5	U	1.41E-06
041M5A05	trans-1,3-Dichloropropene	11/27/1995	10061026		0.153		26.5	U	
041M5A05	Trichloroethene	11/27/1995	79016	6.65E+00	0.153	1.02E+02	26.5	U	1.70E-06
041M5A05	Vinyl chloride	11/27/1995	75014		0.153		26.5	U	
041M5A05	Xylene (Total)	11/27/1995	1330207	9.70E+00	0.153	1.48E+02	26.5	U	1.17E-06
041M5A06	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.00642	4.18E+00	6.5	U	2.42E-04
041M5A06	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.00642	5.22E+00	6.5	U	1.94E-04
041M5A06	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.00642	4.01E+00	6.5	U	2.53E-04
041M5A06	1,1-Dichloroethane	11/17/1995	75343		0.00642		6.5	U	
041M5A06	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.00642	2.98E+00	6.5	U	3.39E-04
041M5A06	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.00642	2.84E+00	6.5	U	3.56E-04
041M5A06	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.00642	2.96E+00	6.5	U	3.42E-04
041M5A06	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.00642	3.38E+00	6.5	U	3.00E-04
041M5A06	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.00642	1.88E+00	6.5	U	5.39E-04
041M5A06	2-Hexanone	11/17/1995	591786	4.43E+00	0.00642	2.84E+00	6.5	U	3.56E-04
041M5A06	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.00642	2.81E+00	6.5	U	3.60E-04
041M5A06	Acetone	11/17/1995	67641	1.34E+01	0.00642	8.59E+00	140	J	2.54E-03
041M5A06	Benzene	11/17/1995	71432	6.46E+00	0.00642	4.15E+00	6.5	U	2.44E-04
041M5A06	Bromodichloromethane	11/17/1995	75274		0.00642		6.5	U	
041M5A06	Bromoform	11/17/1995	75252	1.22E+01	0.00642	7.82E+00	6.5	U	1.29E-04
041M5A06	Bromomethane	11/17/1995	74839	4.03E+00	0.00642	2.59E+00	6.5	U	3.91E-04
041M5A06	Carbon disulfide	11/17/1995	75150		0.00642		6.5	U	
041M5A06	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.00642	4.97E+00	6.5	U	2.04E-04
041M5A06	Chlorobenzene	11/17/1995	108907	5.59E+00	0.00642	3.59E+00	6.5	U	2.82E-04
041M5A06	Chloroethane	11/17/1995	75003		0.00642		6.5	U	
041M5A06	Chloroform	11/17/1995	67663	5.59E+00	0.00642	3.59E+00	6.5	U	2.82E-04
041M5A06	Chloromethane	11/17/1995	74873	2.12E+00	0.00642	1.36E+00	6.5	U	7.43E-04
041M5A06	cis-1,3-Dichloropropene	11/17/1995	10061015		0.00642		6.5	U	
041M5A06	Dibromochloromethane	11/17/1995	124481		0.00642		6.5	U	
041M5A06	Ethylbenzene	11/17/1995	100414	9.64E+00	0.00642	6.19E+00	6.5	U	1.64E-04
041M5A06	Methylene chloride	11/17/1995	75092	3.73E+00	0.00642	2.39E+00	6.5	U	4.23E-04
041M5A06	Styrene	11/17/1995	100425	9.18E+00	0.00642	5.89E+00	6.5	U	1.72E-04
041M5A06	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.00642	5.67E+00	6.5	U	1.79E-04
041M5A06	Toluene	11/17/1995	108883	8.05E+00	0.00642	5.17E+00	6.5	U	1.96E-04
041M5A06	trans-1,3-Dichloropropene	11/17/1995	10061026		0.00642		6.5	U	
041M5A06	Trichloroethene	11/17/1995	79016	6.65E+00	0.00642	4.27E+00	6.5	U	2.37E-04
041M5A06	Vinyl chloride	11/17/1995	75014		0.00642		2	U	
041M5A06	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.00642	6.22E+00	6.5	U	1.63E-04
041M5A07	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0021	1.37E+00	6.5	U	2.27E-03
041M5A07	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0021	1.71E+00	6.5	U	1.81E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 2 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A07	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0021	1.31E+00	6.5	U	2.36E-03
041M5A07	1,1-Dichloroethane	11/16/1995	75343		0.0021		6.5	U	
041M5A07	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0021	9.76E-01	6.5	U	3.17E-03
041M5A07	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0021	9.30E-01	6.5	U	3.33E-03
041M5A07	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0021	9.69E-01	6.5	U	3.20E-03
041M5A07	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0021	1.11E+00	6.5	U	2.80E-03
041M5A07	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0021	6.15E-01	6.5	U	5.03E-03
041M5A07	2-Hexanone	11/16/1995	591786	4.43E+00	0.0021	9.30E-01	6.5	U	3.33E-03
041M5A07	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0021	9.20E-01	6.5	U	3.36E-03
041M5A07	Acetone	11/16/1995	67641	1.34E+01	0.0021	2.81E+00	6.5	U	1.10E-03
041M5A07	Benzene	11/16/1995	71432	6.46E+00	0.0021	1.36E+00	6.5	U	2.28E-03
041M5A07	Bromodichloromethane	11/16/1995	75274		0.0021		6.5	U	
041M5A07	Bromoform	11/16/1995	75252	1.22E+01	0.0021	2.56E+00	6.5	U	1.21E-03
041M5A07	Bromomethane	11/16/1995	74839	4.03E+00	0.0021	8.46E-01	6.5	U	3.66E-03
041M5A07	Carbon disulfide	11/16/1995	75150		0.0021		6.5	U	
041M5A07	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0021	1.62E+00	6.5	U	1.91E-03
041M5A07	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0021	1.17E+00	6.5	U	2.64E-03
041M5A07	Chloroethane	11/16/1995	75003		0.0021		6.5	U	
041M5A07	Chloroform	11/16/1995	67663	5.59E+00	0.0021	1.17E+00	6.5	U	2.64E-03
041M5A07	Chloromethane	11/16/1995	74873	2.12E+00	0.0021	4.45E-01	6.5	U	6.95E-03
041M5A07	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0021		6.5	U	
041M5A07	Dibromochloromethane	11/16/1995	124481		0.0021		6.5	U	
041M5A07	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0021	2.02E+00	6.5	U	1.53E-03
041M5A07	Methylene chloride	11/16/1995	75092	3.73E+00	0.0021	7.83E-01	6.5	U	3.95E-03
041M5A07	Styrene	11/16/1995	100425	9.18E+00	0.0021	1.93E+00	6.5	U	1.61E-03
041M5A07	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0021	1.85E+00	6.5	U	1.67E-03
041M5A07	Toluene	11/16/1995	108883	8.05E+00	0.0021	1.69E+00	6.5	U	1.83E-03
041M5A07	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0021		6.5	U	
041M5A07	Trichloroethene	11/16/1995	79016	6.65E+00	0.0021	1.40E+00	6.5	U	2.22E-03
041M5A07	Vinyl chloride	11/16/1995	75014		0.0021		2	U	
041M5A07	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0021	2.04E+00	6.5	U	1.52E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 6 Phase: 2 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B01	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.00179	1.16E+00	6	U	2.88E-03
041M5B01	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.00179	1.46E+00	6	U	2.30E-03
041M5B01	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.00179	1.12E+00	6	U	3.00E-03
041M5B01	1,1-Dichloroethane	11/17/1995	75343		0.00179		6	U	
041M5B01	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.00179	8.32E-01	6	U	4.03E-03
041M5B01	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.00179	7.93E-01	6	U	4.23E-03
041M5B01	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.00179	8.26E-01	6	U	4.06E-03
041M5B01	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.00179	9.42E-01	6	U	3.56E-03
041M5B01	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.00179	5.24E-01	6	U	6.39E-03
041M5B01	2-Hexanone	11/17/1995	591786	4.43E+00	0.00179	7.93E-01	6	U	4.23E-03
041M5B01	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.00179	7.85E-01	6	U	4.27E-03
041M5B01	Acetone	11/17/1995	67641	1.34E+01	0.00179	2.40E+00	180		4.20E-02
041M5B01	Benzene	11/17/1995	71432	6.46E+00	0.00179	1.16E+00	6	U	2.90E-03
041M5B01	Bromodichloromethane	11/17/1995	75274		0.00179		6	U	
041M5B01	Bromoform	11/17/1995	75252	1.22E+01	0.00179	2.18E+00	6	U	1.54E-03
041M5B01	Bromomethane	11/17/1995	74839	4.03E+00	0.00179	7.21E-01	6	U	4.65E-03
041M5B01	Carbon disulfide	11/17/1995	75150		0.00179		6	U	
041M5B01	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.00179	1.38E+00	6	U	2.42E-03
041M5B01	Chlorobenzene	11/17/1995	108907	5.59E+00	0.00179	1.00E+00	6	U	3.35E-03
041M5B01	Chloroethane	11/17/1995	75003		0.00179		6	U	
041M5B01	Chloroform	11/17/1995	67663	5.59E+00	0.00179	1.00E+00	6	U	3.35E-03
041M5B01	Chloromethane	11/17/1995	74873	2.12E+00	0.00179	3.80E-01	6	U	8.83E-03
041M5B01	cis-1,3-Dichloropropene	11/17/1995	10061015		0.00179		6	U	
041M5B01	Dibromochloromethane	11/17/1995	124481		0.00179		6	U	
041M5B01	Ethylbenzene	11/17/1995	100414	9.64E+00	0.00179	1.72E+00	6	U	1.94E-03
041M5B01	Methylene chloride	11/17/1995	75092	3.73E+00	0.00179	6.67E-01	6	U	5.02E-03
041M5B01	Styrene	11/17/1995	100425	9.18E+00	0.00179	1.64E+00	6	U	2.04E-03
041M5B01	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.00179	1.58E+00	6	U	2.12E-03
041M5B01	Toluene	11/17/1995	108883	8.05E+00	0.00179	1.44E+00	6	U	2.33E-03
041M5B01	trans-1,3-Dichloropropene	11/17/1995	10061026		0.00179		6	U	
041M5B01	Trichloroethene	11/17/1995	79016	6.65E+00	0.00179	1.19E+00	6	U	2.81E-03
041M5B01	Vinyl chloride	11/17/1995	75014		0.00179		2	U	
041M5B01	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.00179	1.74E+00	6	U	1.93E-03
041M5B02	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.0745	4.85E+01	15.5	U	4.29E-06
041M5B02	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.0745	6.06E+01	15.5	U	3.43E-06
041M5B02	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.0745	4.65E+01	15.5	U	4.47E-06
041M5B02	1,1-Dichloroethane	11/17/1995	75343		0.0745		15.5	U	
041M5B02	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.0745	3.46E+01	15.5	U	6.01E-06
041M5B02	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.0745	3.30E+01	15.5	U	6.31E-06
041M5B02	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.0745	3.44E+01	11	J	4.30E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 6 Phase: 2 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B02	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.0745	3.92E+01	15.5	U	5.30E-06
041M5B02	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.0745	2.18E+01	15.5	U	9.54E-06
041M5B02	2-Hexanone	11/17/1995	591786	4.43E+00	0.0745	3.30E+01	15.5	U	6.30E-06
041M5B02	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.0745	3.27E+01	15.5	U	6.37E-06
041M5B02	Acetone	11/17/1995	67641	1.34E+01	0.0745	9.97E+01	66		8.88E-06
041M5B02	Benzene	11/17/1995	71432	6.46E+00	0.0745	4.81E+01	15.5	U	4.32E-06
041M5B02	Bromodichloromethane	11/17/1995	75274		0.0745		15.5	U	
041M5B02	Bromoform	11/17/1995	75252	1.22E+01	0.0745	9.08E+01	15.5	U	2.29E-06
041M5B02	Bromomethane	11/17/1995	74839	4.03E+00	0.0745	3.00E+01	15.5	U	6.93E-06
041M5B02	Carbon disulfide	11/17/1995	75150		0.0745		15.5	U	
041M5B02	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.0745	5.76E+01	15.5	U	3.61E-06
041M5B02	Chlorobenzene	11/17/1995	108907	5.59E+00	0.0745	4.16E+01	7	J	2.26E-06
041M5B02	Chloroethane	11/17/1995	75003		0.0745		15.5	U	
041M5B02	Chloroform	11/17/1995	67663	5.59E+00	0.0745	4.16E+01	15.5	U	5.00E-06
041M5B02	Chloromethane	11/17/1995	74873	2.12E+00	0.0745	1.58E+01	15.5	U	1.32E-05
041M5B02	cis-1,3-Dichloropropene	11/17/1995	10061015		0.0745		15.5	U	
041M5B02	Dibromochloromethane	11/17/1995	124481		0.0745		15.5	U	
041M5B02	Ethylbenzene	11/17/1995	100414	9.64E+00	0.0745	7.18E+01	15.5	U	2.90E-06
041M5B02	Methylene chloride	11/17/1995	75092	3.73E+00	0.0745	2.78E+01	15.5	U	7.49E-06
041M5B02	Styrene	11/17/1995	100425	9.18E+00	0.0745	6.84E+01	15.5	U	3.04E-06
041M5B02	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.0745	6.58E+01	15.5	U	3.16E-06
041M5B02	Toluene	11/17/1995	108883	8.05E+00	0.0745	6.00E+01	13	J	2.91E-06
041M5B02	trans-1,3-Dichloropropene	11/17/1995	10061026		0.0745		15.5	U	
041M5B02	Trichloroethene	11/17/1995	79016	6.65E+00	0.0745	4.96E+01	15.5	U	4.20E-06
041M5B02	Vinyl chloride	11/17/1995	75014		0.0745		42		
041M5B02	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.0745	7.22E+01	15.5	U	2.88E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
010M00010	1,1,1-Trichloroethane	2/4/1994	71556	6.50E+00	0.00121	7.87E-01	6.5	U	6.83E-03
010M00010	1,1,2,2-Tetrachloroethane	2/4/1994	79345	8.13E+00	0.00121	9.84E-01	6.5	U	5.46E-03
010M00010	1,1,2-Trichloroethane	2/4/1994	79005	6.24E+00	0.00121	7.55E-01	6.5	U	7.11E-03
010M00010	1,1-Dichloroethane	2/4/1994	75343		0.00121		6.5	U	
010M00010	1,1-Dichloroethene	2/4/1994	75354	4.65E+00	0.00121	5.63E-01	6.5	U	9.55E-03
010M00010	1,2-Dichloroethane	2/4/1994	107062	4.43E+00	0.00121	5.36E-01	6.5	U	1.00E-02
010M00010	1,2-Dichloroethene (total)	2/4/1994	540590	4.61E+00	0.00121	5.58E-01	6.5	U	9.62E-03
010M00010	1,2-Dichloropropane	2/4/1994	78875	5.26E+00	0.00121	6.37E-01	6.5	U	8.43E-03
010M00010	2-Butanone (MEK)	2/4/1994	78933	2.93E+00	0.00121	3.54E-01	6.5	U	1.52E-02
010M00010	2-Hexanone	2/4/1994	591786	4.43E+00	0.00121	5.36E-01	6.5	U	1.00E-02
010M00010	4-Methyl-2-Pentanone (MIBK)	2/4/1994	108101	4.38E+00	0.00121	5.30E-01	6.5	U	1.01E-02
010M00010	Acetone	2/4/1994	67641	1.34E+01	0.00121	1.62E+00	75	U	3.83E-02
010M00010	Benzene	2/4/1994	71432	6.46E+00	0.00121	7.82E-01	6.5	U	6.87E-03
010M00010	Bromodichloromethane	2/4/1994	75274		0.00121		6.5	U	
010M00010	Bromoform	2/4/1994	75252	1.22E+01	0.00121	1.47E+00	6.5	U	3.64E-03
010M00010	Bromomethane	2/4/1994	74839	4.03E+00	0.00121	4.87E-01	6.5	U	1.10E-02
010M00010	Carbon disulfide	2/4/1994	75150		0.00121		6.5	U	
010M00010	Carbon tetrachloride	2/4/1994	56235	7.73E+00	0.00121	9.36E-01	6.5	U	5.74E-03
010M00010	Chlorobenzene	2/4/1994	108907	5.59E+00	0.00121	6.76E-01	6.5	U	7.95E-03
010M00010	Chloroethane	2/4/1994	75003		0.00121		6.5	U	
010M00010	Chloroform	2/4/1994	67663	5.59E+00	0.00121	6.76E-01	6.5	U	7.95E-03
010M00010	Chloromethane	2/4/1994	74873	2.12E+00	0.00121	2.57E-01	6.5	U	2.09E-02
010M00010	cis-1,3-Dichloropropene	2/4/1994	10061015		0.00121		6.5	U	
010M00010	Dibromochloromethane	2/4/1994	124481		0.00121		6.5	U	
010M00010	Ethylbenzene	2/4/1994	100414	9.64E+00	0.00121	1.17E+00	6.5	U	4.61E-03
010M00010	Methylene chloride	2/4/1994	75092	3.73E+00	0.00121	4.51E-01	6.5	U	1.19E-02
010M00010	Styrene	2/4/1994	100425	9.18E+00	0.00121	1.11E+00	6.5	U	4.84E-03
010M00010	Tetrachloroethene	2/4/1994	127184	8.83E+00	0.00121	1.07E+00	6.5	U	5.03E-03
010M00010	Toluene	2/4/1994	108883	8.05E+00	0.00121	9.74E-01	6.5	U	5.52E-03
010M00010	trans-1,3-Dichloropropene	2/4/1994	10061026		0.00121		6.5	U	
010M00010	Trichloroethene	2/4/1994	79016	6.65E+00	0.00121	8.05E-01	6.5	U	6.67E-03
010M00010	Vinyl chloride	2/4/1994	75014		0.00121		6.5	U	
010M00010	Xylene (Total)	2/4/1994	1330207	9.70E+00	0.00121	1.17E+00	6.5	U	4.58E-03
041M06010	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00362	2.35E+00	6	U	7.04E-04
041M06010	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00362	2.94E+00	6	U	5.63E-04
041M06010	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00362	2.26E+00	6	U	7.33E-04
041M06010	1,1-Dichloroethane	11/15/1995	75343		0.00362		6	U	
041M06010	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00362	1.68E+00	6	U	9.85E-04
041M06010	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00362	1.60E+00	6	U	1.03E-03
041M06010	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00362	1.67E+00	6	U	9.93E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06010	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00362	1.91E+00	6	U	8.70E-04
041M06010	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00362	1.06E+00	6	U	1.56E-03
041M06010	2-Hexanone	11/15/1995	591786	4.43E+00	0.00362	1.60E+00	6	U	1.03E-03
041M06010	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00362	1.59E+00	6	U	1.04E-03
041M06010	Acetone	11/15/1995	67641	1.34E+01	0.00362	4.85E+00	6	U	3.42E-04
041M06010	Benzene	11/15/1995	71432	6.46E+00	0.00362	2.34E+00	6	U	7.09E-04
041M06010	Bromodichloromethane	11/15/1995	75274		0.00362		6	U	
041M06010	Bromoform	11/15/1995	75252	1.22E+01	0.00362	4.41E+00	6	U	3.76E-04
041M06010	Bromomethane	11/15/1995	74839	4.03E+00	0.00362	1.46E+00	6	U	1.14E-03
041M06010	Carbon disulfide	11/15/1995	75150		0.00362		6	U	
041M06010	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00362	2.80E+00	6	U	5.92E-04
041M06010	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00362	2.02E+00	6	U	8.20E-04
041M06010	Chloroethane	11/15/1995	75003		0.00362		6	U	
041M06010	Chloroform	11/15/1995	67663	5.59E+00	0.00362	2.02E+00	6	U	8.20E-04
041M06010	Chloromethane	11/15/1995	74873	2.12E+00	0.00362	7.68E-01	6	U	2.16E-03
041M06010	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00362		6	U	
041M06010	Dibromochloromethane	11/15/1995	124481		0.00362		6	U	
041M06010	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00362	3.49E+00	6	U	4.75E-04
041M06010	Methylene chloride	11/15/1995	75092	3.73E+00	0.00362	1.35E+00	10.5	U	2.15E-03
041M06010	Styrene	11/15/1995	100425	9.18E+00	0.00362	3.32E+00	6	U	4.99E-04
041M06010	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00362	3.19E+00	6	U	5.19E-04
041M06010	Toluene	11/15/1995	108883	8.05E+00	0.00362	2.91E+00	6	U	5.69E-04
041M06010	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00362		6	U	
041M06010	Trichloroethene	11/15/1995	79016	6.65E+00	0.00362	2.41E+00	6	U	6.88E-04
041M06010	Vinyl chloride	11/15/1995	75014		0.00362		2	U	
041M06010	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00362	3.51E+00	6	U	4.72E-04
041M06020	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00378	2.46E+00	6	U	6.46E-04
041M06020	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00378	3.07E+00	6	U	5.16E-04
041M06020	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00378	2.36E+00	6	U	6.73E-04
041M06020	1,1-Dichloroethane	11/15/1995	75343		0.00378		6	U	
041M06020	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00378	1.76E+00	6	U	9.03E-04
041M06020	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00378	1.67E+00	6	U	9.48E-04
041M06020	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00378	1.74E+00	6	U	9.10E-04
041M06020	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00378	1.99E+00	6	U	7.98E-04
041M06020	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00378	1.11E+00	6	U	1.43E-03
041M06020	2-Hexanone	11/15/1995	591786	4.43E+00	0.00378	1.67E+00	6	U	9.48E-04
041M06020	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00378	1.66E+00	6	U	9.58E-04
041M06020	Acetone	11/15/1995	67641	1.34E+01	0.00378	5.06E+00	210		1.10E-02
041M06020	Benzene	11/15/1995	71432	6.46E+00	0.00378	2.44E+00	6	U	6.50E-04
041M06020	Bromodichloromethane	11/15/1995	75274		0.00378		6	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06020	Bromoform	11/15/1995	75252	1.22E+01	0.00378	4.61E+00	6	U	3.45E-04
041M06020	Bromomethane	11/15/1995	74839	4.03E+00	0.00378	1.52E+00	6	U	1.04E-03
041M06020	Carbon disulfide	11/15/1995	75150		0.00378		6	U	
041M06020	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00378	2.92E+00	6	U	5.43E-04
041M06020	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00378	2.11E+00	6	U	7.52E-04
041M06020	Chloroethane	11/15/1995	75003		0.00378		6	U	
041M06020	Chloroform	11/15/1995	67663	5.59E+00	0.00378	2.11E+00	6	U	7.52E-04
041M06020	Chloromethane	11/15/1995	74873	2.12E+00	0.00378	8.02E-01	6	U	1.98E-03
041M06020	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00378		6	U	
041M06020	Dibromochloromethane	11/15/1995	124481		0.00378		6	U	
041M06020	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00378	3.64E+00	6	U	4.36E-04
041M06020	Methylene chloride	11/15/1995	75092	3.73E+00	0.00378	1.41E+00	6	U	1.13E-03
041M06020	Styrene	11/15/1995	100425	9.18E+00	0.00378	3.47E+00	6	U	4.58E-04
041M06020	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00378	3.34E+00	6	U	4.76E-04
041M06020	Toluene	11/15/1995	108883	8.05E+00	0.00378	3.04E+00	6	U	5.22E-04
041M06020	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00378		6	U	
041M06020	Trichloroethene	11/15/1995	79016	6.65E+00	0.00378	2.51E+00	6	U	6.31E-04
041M06020	Vinyl chloride	11/15/1995	75014		0.00378		2	U	
041M06020	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00378	3.66E+00	6	U	4.33E-04
041M06030	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.011	7.16E+00	7	U	8.89E-05
041M06030	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.011	8.95E+00	7	U	7.11E-05
041M06030	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.011	6.87E+00	7	U	9.27E-05
041M06030	1,1-Dichloroethane	11/15/1995	75343		0.011		7	U	
041M06030	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.011	5.11E+00	7	U	1.24E-04
041M06030	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.011	4.87E+00	7	U	1.31E-04
041M06030	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.011	5.07E+00	7	U	1.25E-04
041M06030	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.011	5.79E+00	7	U	1.10E-04
041M06030	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.011	3.22E+00	7	U	1.98E-04
041M06030	2-Hexanone	11/15/1995	591786	4.43E+00	0.011	4.87E+00	7	U	1.31E-04
041M06030	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.011	4.82E+00	7	U	1.32E-04
041M06030	Acetone	11/15/1995	67641	1.34E+01	0.011	1.47E+01	100		6.17E-04
041M06030	Benzene	11/15/1995	71432	6.46E+00	0.011	7.11E+00	7	U	8.95E-05
041M06030	Bromodichloromethane	11/15/1995	75274		0.011		7	U	
041M06030	Bromoform	11/15/1995	75252	1.22E+01	0.011	1.34E+01	7	U	4.75E-05
041M06030	Bromomethane	11/15/1995	74839	4.03E+00	0.011	4.43E+00	7	U	1.44E-04
041M06030	Carbon disulfide	11/15/1995	75150		0.011		7	U	
041M06030	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.011	8.51E+00	7	U	7.48E-05
041M06030	Chlorobenzene	11/15/1995	108907	5.59E+00	0.011	6.14E+00	7	U	1.04E-04
041M06030	Chloroethane	11/15/1995	75003		0.011		7	U	
041M06030	Chloroform	11/15/1995	67663	5.59E+00	0.011	6.15E+00	7	U	1.04E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06030	Chloromethane	11/15/1995	74873	2.12E+00	0.011	2.33E+00	7	U	2.73E-04
041M06030	cis-1,3-Dichloropropene	11/15/1995	10061015		0.011		7	U	
041M06030	Dibromochloromethane	11/15/1995	124481		0.011		7	U	
041M06030	Ethylbenzene	11/15/1995	100414	9.64E+00	0.011	1.06E+01	7	U	6.00E-05
041M06030	Methylene chloride	11/15/1995	75092	3.73E+00	0.011	4.10E+00	9	U	1.99E-04
041M06030	Styrene	11/15/1995	100425	9.18E+00	0.011	1.01E+01	7	U	6.30E-05
041M06030	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.011	9.71E+00	7	U	6.55E-05
041M06030	Toluene	11/15/1995	108883	8.05E+00	0.011	8.85E+00	14	J	1.44E-04
041M06030	trans-1,3-Dichloropropene	11/15/1995	10061026		0.011		7	U	
041M06030	Trichloroethene	11/15/1995	79016	6.65E+00	0.011	7.32E+00	7	U	8.70E-05
041M06030	Vinyl chloride	11/15/1995	75014		0.011		2	U	
041M06030	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.011	1.07E+01	7	U	5.97E-05
041M06040	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00121	7.87E-01	6	U	6.30E-03
041M06040	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00121	9.84E-01	6	U	5.04E-03
041M06040	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00121	7.55E-01	6	U	6.56E-03
041M06040	1,1-Dichloroethane	11/15/1995	75343		0.00121		6	U	
041M06040	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00121	5.63E-01	6	U	8.81E-03
041M06040	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00121	5.36E-01	6	U	9.25E-03
041M06040	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00121	5.58E-01	6	U	8.88E-03
041M06040	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00121	6.37E-01	6	U	7.78E-03
041M06040	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00121	3.54E-01	6	U	1.40E-02
041M06040	2-Hexanone	11/15/1995	591786	4.43E+00	0.00121	5.36E-01	6	U	9.25E-03
041M06040	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00121	5.30E-01	6	U	9.35E-03
041M06040	Acetone	11/15/1995	67641	1.34E+01	0.00121	1.62E+00	6	U	3.06E-03
041M06040	Benzene	11/15/1995	71432	6.46E+00	0.00121	7.82E-01	6	U	6.34E-03
041M06040	Bromodichloromethane	11/15/1995	75274		0.00121		6	U	
041M06040	Bromoform	11/15/1995	75252	1.22E+01	0.00121	1.47E+00	6	U	3.36E-03
041M06040	Bromomethane	11/15/1995	74839	4.03E+00	0.00121	4.87E-01	6	U	1.02E-02
041M06040	Carbon disulfide	11/15/1995	75150		0.00121		6	U	
041M06040	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00121	9.36E-01	6	U	5.30E-03
041M06040	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00121	6.76E-01	6	U	7.34E-03
041M06040	Chloroethane	11/15/1995	75003		0.00121		6	U	
041M06040	Chloroform	11/15/1995	67663	5.59E+00	0.00121	6.76E-01	6	U	7.34E-03
041M06040	Chloromethane	11/15/1995	74873	2.12E+00	0.00121	2.57E-01	6	U	1.93E-02
041M06040	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00121		6	U	
041M06040	Dibromochloromethane	11/15/1995	124481		0.00121		6	U	
041M06040	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00121	1.17E+00	6	U	4.25E-03
041M06040	Methylene chloride	11/15/1995	75092	3.73E+00	0.00121	4.51E-01	22.5	U	4.12E-02
041M06040	Styrene	11/15/1995	100425	9.18E+00	0.00121	1.11E+00	6	U	4.47E-03
041M06040	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00121	1.07E+00	6	U	4.64E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06040	Toluene	11/15/1995	108883	8.05E+00	0.00121	9.74E-01	6	U	5.09E-03
041M06040	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00121		6	U	
041M06040	Trichloroethene	11/15/1995	79016	6.65E+00	0.00121	8.05E-01	6	U	6.16E-03
041M06040	Vinyl chloride	11/15/1995	75014		0.00121		2	U	
041M06040	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00121	1.17E+00	6	U	4.23E-03
041M06050	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.00204	1.33E+00	6	U	2.22E-03
041M06050	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.00204	1.66E+00	6	U	1.77E-03
041M06050	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.00204	1.27E+00	6	U	2.31E-03
041M06050	1,1-Dichloroethane	11/16/1995	75343		0.00204		6	U	
041M06050	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.00204	9.48E-01	6	U	3.10E-03
041M06050	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.00204	9.04E-01	6	U	3.26E-03
041M06050	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.00204	9.41E-01	6	U	3.13E-03
041M06050	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.00204	1.07E+00	6	U	2.74E-03
041M06050	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.00204	5.97E-01	6	U	4.92E-03
041M06050	2-Hexanone	11/16/1995	591786	4.43E+00	0.00204	9.04E-01	6	U	3.25E-03
041M06050	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.00204	8.94E-01	6	U	3.29E-03
041M06050	Acetone	11/16/1995	67641	1.34E+01	0.00204	2.73E+00	13		2.33E-03
041M06050	Benzene	11/16/1995	71432	6.46E+00	0.00204	1.32E+00	6	U	2.23E-03
041M06050	Bromodichloromethane	11/16/1995	75274		0.00204		6	U	
041M06050	Bromoform	11/16/1995	75252	1.22E+01	0.00204	2.49E+00	6	U	1.18E-03
041M06050	Bromomethane	11/16/1995	74839	4.03E+00	0.00204	8.22E-01	6	U	3.58E-03
041M06050	Carbon disulfide	11/16/1995	75150		0.00204		6	U	
041M06050	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.00204	1.58E+00	6	U	1.86E-03
041M06050	Chlorobenzene	11/16/1995	108907	5.59E+00	0.00204	1.14E+00	6	U	2.58E-03
041M06050	Chloroethane	11/16/1995	75003		0.00204		6	U	
041M06050	Chloroform	11/16/1995	67663	5.59E+00	0.00204	1.14E+00	6	U	2.58E-03
041M06050	Chloromethane	11/16/1995	74873	2.12E+00	0.00204	4.33E-01	6	U	6.80E-03
041M06050	cis-1,3-Dichloropropene	11/16/1995	10061015		0.00204		6	U	
041M06050	Dibromochloromethane	11/16/1995	124481		0.00204		6	U	
041M06050	Ethylbenzene	11/16/1995	100414	9.64E+00	0.00204	1.97E+00	6	U	1.50E-03
041M06050	Methylene chloride	11/16/1995	75092	3.73E+00	0.00204	7.61E-01	6	U	3.87E-03
041M06050	Styrene	11/16/1995	100425	9.18E+00	0.00204	1.87E+00	6	U	1.57E-03
041M06050	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.00204	1.80E+00	6	U	1.63E-03
041M06050	Toluene	11/16/1995	108883	8.05E+00	0.00204	1.64E+00	6	U	1.79E-03
041M06050	trans-1,3-Dichloropropene	11/16/1995	10061026		0.00204		6	U	
041M06050	Trichloroethene	11/16/1995	79016	6.65E+00	0.00204	1.36E+00	6	U	2.17E-03
041M06050	Vinyl chloride	11/16/1995	75014		0.00204		2	U	
041M06050	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.00204	1.98E+00	6	U	1.49E-03
041M06060	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.013	8.46E+00	7.5	U	6.82E-05
041M06060	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.013	1.06E+01	7.5	U	5.46E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06060	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.013	8.12E+00	7.5	U	7.11E-05
041M06060	1,1-Dichloroethane	11/16/1995	75343		0.013		7.5	U	
041M06060	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.013	6.04E+00	7.5	U	9.55E-05
041M06060	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.013	5.76E+00	7.5	U	1.00E-04
041M06060	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.013	6.00E+00	7.5	U	9.62E-05
041M06060	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.013	6.84E+00	7.5	U	8.43E-05
041M06060	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.013	3.81E+00	7.5	U	1.52E-04
041M06060	2-Hexanone	11/16/1995	591786	4.43E+00	0.013	5.76E+00	7.5	U	1.00E-04
041M06060	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.013	5.70E+00	7.5	U	1.01E-04
041M06060	Acetone	11/16/1995	67641	1.34E+01	0.013	1.74E+01	54		2.39E-04
041M06060	Benzene	11/16/1995	71432	6.46E+00	0.013	8.40E+00	7.5	U	6.87E-05
041M06060	Bromodichloromethane	11/16/1995	75274		0.013		7.5	U	
041M06060	Bromoform	11/16/1995	75252	1.22E+01	0.013	1.58E+01	7.5	U	3.64E-05
041M06060	Bromomethane	11/16/1995	74839	4.03E+00	0.013	5.24E+00	7.5	U	1.10E-04
041M06060	Carbon disulfide	11/16/1995	75150		0.013		7.5	U	
041M06060	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.013	1.01E+01	7.5	U	5.74E-05
041M06060	Chlorobenzene	11/16/1995	108907	5.59E+00	0.013	7.26E+00	7.5	U	7.95E-05
041M06060	Chloroethane	11/16/1995	75003		0.013		7.5	U	
041M06060	Chloroform	11/16/1995	67663	5.59E+00	0.013	7.26E+00	7.5	U	7.94E-05
041M06060	Chloromethane	11/16/1995	74873	2.12E+00	0.013	2.76E+00	7.5	U	2.09E-04
041M06060	cis-1,3-Dichloropropene	11/16/1995	10061015		0.013		7.5	U	
041M06060	Dibromochloromethane	11/16/1995	124481		0.013		7.5	U	
041M06060	Ethylbenzene	11/16/1995	100414	9.64E+00	0.013	1.25E+01	7.5	U	4.61E-05
041M06060	Methylene chloride	11/16/1995	75092	3.73E+00	0.013	4.85E+00	7.5	U	1.19E-04
041M06060	Styrene	11/16/1995	100425	9.18E+00	0.013	1.19E+01	7.5	U	4.84E-05
041M06060	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.013	1.15E+01	7.5	U	5.03E-05
041M06060	Toluene	11/16/1995	108883	8.05E+00	0.013	1.05E+01	7.5	U	5.51E-05
041M06060	trans-1,3-Dichloropropene	11/16/1995	10061026		0.013		7.5	U	
041M06060	Trichloroethene	11/16/1995	79016	6.65E+00	0.013	8.65E+00	7.5	U	6.67E-05
041M06060	Vinyl chloride	11/16/1995	75014		0.013		2.5	U	
041M06060	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.013	1.26E+01	7.5	U	4.58E-05
041M06070	1,1,1-Trichloroethane	11/14/1995	71556	6.50E+00	0.0403	2.62E+01	20	U	1.89E-05
041M06070	1,1,2,2-Tetrachloroethane	11/14/1995	79345	8.13E+00	0.0403	3.28E+01	20	U	1.51E-05
041M06070	1,1,2-Trichloroethane	11/14/1995	79005	6.24E+00	0.0403	2.52E+01	20	U	1.97E-05
041M06070	1,1-Dichloroethane	11/14/1995	75343		0.0403		20	U	
041M06070	1,1-Dichloroethene	11/14/1995	75354	4.65E+00	0.0403	1.87E+01	20	U	2.65E-05
041M06070	1,2-Dichloroethane	11/14/1995	107062	4.43E+00	0.0403	1.78E+01	20	U	2.78E-05
041M06070	1,2-Dichloroethene (total)	11/14/1995	540590	4.61E+00	0.0403	1.86E+01	20	U	2.67E-05
041M06070	1,2-Dichloropropane	11/14/1995	78875	5.26E+00	0.0403	2.12E+01	20	U	2.34E-05
041M06070	2-Butanone (MEK)	11/14/1995	78933	2.93E+00	0.0403	1.18E+01	20	U	4.21E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06070	2-Hexanone	11/14/1995	591786	4.43E+00	0.0403	1.79E+01	20	U	2.78E-05
041M06070	4-Methyl-2-Pentanone (MIBK)	11/14/1995	108101	4.38E+00	0.0403	1.77E+01	20	U	2.81E-05
041M06070	Acetone	11/14/1995	67641	1.34E+01	0.0403	5.39E+01	95	U	4.37E-05
041M06070	Benzene	11/14/1995	71432	6.46E+00	0.0403	2.60E+01	20	U	1.91E-05
041M06070	Bromodichloromethane	11/14/1995	75274		0.0403		20	U	
041M06070	Bromoform	11/14/1995	75252	1.22E+01	0.0403	4.91E+01	20	U	1.01E-05
041M06070	Bromomethane	11/14/1995	74839	4.03E+00	0.0403	1.62E+01	20	U	3.06E-05
041M06070	Carbon disulfide	11/14/1995	75150		0.0403		20	U	
041M06070	Carbon tetrachloride	11/14/1995	56235	7.73E+00	0.0403	3.12E+01	20	U	1.59E-05
041M06070	Chlorobenzene	11/14/1995	108907	5.59E+00	0.0403	2.25E+01	20	U	2.20E-05
041M06070	Chloroethane	11/14/1995	75003		0.0403		20	U	
041M06070	Chloroform	11/14/1995	67663	5.59E+00	0.0403	2.25E+01	20	U	2.20E-05
041M06070	Chloromethane	11/14/1995	74873	2.12E+00	0.0403	8.55E+00	20	U	5.81E-05
041M06070	cis-1,3-Dichloropropene	11/14/1995	10061015		0.0403		20	U	
041M06070	Dibromochloromethane	11/14/1995	124481		0.0403		20	U	
041M06070	Ethylbenzene	11/14/1995	100414	9.64E+00	0.0403	3.88E+01	20	U	1.28E-05
041M06070	Methylene chloride	11/14/1995	75092	3.73E+00	0.0403	1.50E+01	39	U	6.44E-05
041M06070	Styrene	11/14/1995	100425	9.18E+00	0.0403	3.70E+01	20	U	1.34E-05
041M06070	Tetrachloroethene	11/14/1995	127184	8.83E+00	0.0403	3.56E+01	20	U	1.40E-05
041M06070	Toluene	11/14/1995	108883	8.05E+00	0.0403	3.24E+01	6	J	4.59E-06
041M06070	trans-1,3-Dichloropropene	11/14/1995	10061026		0.0403		20	U	
041M06070	Trichloroethene	11/14/1995	79016	6.65E+00	0.0403	2.68E+01	5	J	4.63E-06
041M06070	Vinyl chloride	11/14/1995	75014		0.0403		6	U	
041M06070	Xylene (Total)	11/14/1995	1330207	9.70E+00	0.0403	3.91E+01	20	U	1.27E-05
041M06080	1,1,1-Trichloroethane	11/14/1995	71556	6.50E+00	0.00148	9.63E-01	6	U	4.21E-03
041M06080	1,1,2,2-Tetrachloroethane	11/14/1995	79345	8.13E+00	0.00148	1.20E+00	6	U	3.37E-03
041M06080	1,1,2-Trichloroethane	11/14/1995	79005	6.24E+00	0.00148	9.24E-01	6	U	4.39E-03
041M06080	1,1-Dichloroethane	11/14/1995	75343		0.00148		6	U	
041M06080	1,1-Dichloroethene	11/14/1995	75354	4.65E+00	0.00148	6.88E-01	6	U	5.89E-03
041M06080	1,2-Dichloroethane	11/14/1995	107062	4.43E+00	0.00148	6.55E-01	6	U	6.18E-03
041M06080	1,2-Dichloroethene (total)	11/14/1995	540590	4.61E+00	0.00148	6.83E-01	6	U	5.94E-03
041M06080	1,2-Dichloropropane	11/14/1995	78875	5.26E+00	0.00148	7.79E-01	6	U	5.20E-03
041M06080	2-Butanone (MEK)	11/14/1995	78933	2.93E+00	0.00148	4.33E-01	6	U	9.35E-03
041M06080	2-Hexanone	11/14/1995	591786	4.43E+00	0.00148	6.56E-01	6	U	6.18E-03
041M06080	4-Methyl-2-Pentanone (MIBK)	11/14/1995	108101	4.38E+00	0.00148	6.49E-01	6	U	6.25E-03
041M06080	Acetone	11/14/1995	67641	1.34E+01	0.00148	1.98E+00	4000		1.36E-06
041M06080	Benzene	11/14/1995	71432	6.46E+00	0.00148	9.56E-01	6	U	4.24E-03
041M06080	Bromodichloromethane	11/14/1995	75274		0.00148		6	U	
041M06080	Bromoform	11/14/1995	75252	1.22E+01	0.00148	1.80E+00	6	U	2.25E-03
041M06080	Bromomethane	11/14/1995	74839	4.03E+00	0.00148	5.96E-01	6	U	6.80E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06080	Carbon disulfide	11/14/1995	75150		0.00148		6	U	
041M06080	Carbon tetrachloride	11/14/1995	56235	7.73E+00	0.00148	1.14E+00	6	U	3.54E-03
041M06080	Chlorobenzene	11/14/1995	108907	5.59E+00	0.00148	8.27E-01	6	U	4.90E-03
041M06080	Chloroethane	11/14/1995	75003		0.00148		6	U	
041M06080	Chloroform	11/14/1995	67663	5.59E+00	0.00148	8.27E-01	6	U	4.90E-03
041M06080	Chloromethane	11/14/1995	74873	2.12E+00	0.00148	3.14E-01	6	U	1.29E-02
041M06080	cis-1,3-Dichloropropene	11/14/1995	10061015		0.00148		6	U	
041M06080	Dibromochloromethane	11/14/1995	124481		0.00148		6	U	
041M06080	Ethylbenzene	11/14/1995	100414	9.64E+00	0.00148	1.43E+00	6	U	2.84E-03
041M06080	Methylene chloride	11/14/1995	75092	3.73E+00	0.00148	5.52E-01	6	U	7.35E-03
041M06080	Styrene	11/14/1995	100425	9.18E+00	0.00148	1.36E+00	6	U	2.99E-03
041M06080	Tetrachloroethene	11/14/1995	127184	8.83E+00	0.00148	1.31E+00	6	U	3.10E-03
041M06080	Toluene	11/14/1995	108883	8.05E+00	0.00148	1.19E+00	6	U	3.40E-03
041M06080	trans-1,3-Dichloropropene	11/14/1995	10061026		0.00148		6	U	
041M06080	Trichloroethene	11/14/1995	79016	6.65E+00	0.00148	9.85E-01	6	U	4.12E-03
041M06080	Vinyl chloride	11/14/1995	75014		0.00148		2	U	
041M06080	Xylene (Total)	11/14/1995	1330207	9.70E+00	0.00148	1.43E+00	6	U	2.83E-03
041M06090	1,1,1-Trichloroethane	11/14/1995	71556	6.50E+00	0.00265	1.72E+00	4	J	8.76E-04
041M06090	1,1,2,2-Tetrachloroethane	11/14/1995	79345	8.13E+00	0.00265	2.16E+00	6	U	1.05E-03
041M06090	1,1,2-Trichloroethane	11/14/1995	79005	6.24E+00	0.00265	1.65E+00	6	U	1.37E-03
041M06090	1,1-Dichloroethane	11/14/1995	75343		0.00265		9	J	
041M06090	1,1-Dichloroethene	11/14/1995	75354	4.65E+00	0.00265	1.23E+00	8	J	2.45E-03
041M06090	1,2-Dichloroethane	11/14/1995	107062	4.43E+00	0.00265	1.17E+00	6	U	1.93E-03
041M06090	1,2-Dichloroethene (total)	11/14/1995	540590	4.61E+00	0.00265	1.22E+00	6	U	1.85E-03
041M06090	1,2-Dichloropropane	11/14/1995	78875	5.26E+00	0.00265	1.40E+00	6	U	1.62E-03
041M06090	2-Butanone (MEK)	11/14/1995	78933	2.93E+00	0.00265	7.76E-01	6	U	2.92E-03
041M06090	2-Hexanone	11/14/1995	591786	4.43E+00	0.00265	1.17E+00	6	U	1.93E-03
041M06090	4-Methyl-2-Pentanone (MIBK)	11/14/1995	108101	4.38E+00	0.00265	1.16E+00	6	U	1.95E-03
041M06090	Benzene	11/14/1995	71432	6.46E+00	0.00265	1.71E+00	6	U	1.32E-03
041M06090	Bromodichloromethane	11/14/1995	75274		0.00265		6	U	
041M06090	Bromoform	11/14/1995	75252	1.22E+01	0.00265	3.23E+00	6	U	7.01E-04
041M06090	Bromomethane	11/14/1995	74839	4.03E+00	0.00265	1.07E+00	6	U	2.12E-03
041M06090	Carbon disulfide	11/14/1995	75150		0.00265		6	U	
041M06090	Carbon tetrachloride	11/14/1995	56235	7.73E+00	0.00265	2.05E+00	6	U	1.10E-03
041M06090	Chlorobenzene	11/14/1995	108907	5.59E+00	0.00265	1.48E+00	2	J	5.10E-04
041M06090	Chloroethane	11/14/1995	75003		0.00265		2	J	
041M06090	Chloroform	11/14/1995	67663	5.59E+00	0.00265	1.48E+00	6	U	1.53E-03
041M06090	Chloromethane	11/14/1995	74873	2.12E+00	0.00265	5.62E-01	6	U	4.03E-03
041M06090	cis-1,3-Dichloropropene	11/14/1995	10061015		0.00265		6	U	
041M06090	Dibromochloromethane	11/14/1995	124481		0.00265		6	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06090	Ethylbenzene	11/14/1995	100414	9.64E+00	0.00265	2.55E+00	6	U	8.87E-04
041M06090	Methylene chloride	11/14/1995	75092	3.73E+00	0.00265	9.88E-01	8	U	3.06E-03
041M06090	Styrene	11/14/1995	100425	9.18E+00	0.00265	2.43E+00	6	U	9.31E-04
041M06090	Tetrachloroethene	11/14/1995	127184	8.83E+00	0.00265	2.34E+00	2	J	3.23E-04
041M06090	Toluene	11/14/1995	108883	8.05E+00	0.00265	2.13E+00	4	J	7.08E-04
041M06090	trans-1,3-Dichloropropene	11/14/1995	10061026		0.00265		6	U	
041M06090	Trichloroethene	11/14/1995	79016	6.65E+00	0.00265	1.76E+00	2	J	4.28E-04
041M06090	Vinyl chloride	11/14/1995	75014		0.00265		2	U	
041M06090	Xylene (Total)	11/14/1995	1330207	9.70E+00	0.00265	2.57E+00	6	U	8.81E-04
041M06100	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.00159	1.03E+00	6	U	3.65E-03
041M06100	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.00159	1.29E+00	6	U	2.92E-03
041M06100	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.00159	9.93E-01	6	U	3.80E-03
041M06100	1,1-Dichloroethane	11/16/1995	75343		0.00159		6	U	
041M06100	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.00159	7.39E-01	6	U	5.10E-03
041M06100	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.00159	7.04E-01	6	U	5.36E-03
041M06100	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.00159	7.33E-01	6	U	5.15E-03
041M06100	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.00159	8.37E-01	6	U	4.51E-03
041M06100	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.00159	4.66E-01	6	U	8.10E-03
041M06100	2-Hexanone	11/16/1995	591786	4.43E+00	0.00159	7.04E-01	6	U	5.36E-03
041M06100	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.00159	6.97E-01	6	U	5.41E-03
041M06100	Acetone	11/16/1995	67641	1.34E+01	0.00159	2.13E+00	40		1.18E-02
041M06100	Benzene	11/16/1995	71432	6.46E+00	0.00159	1.03E+00	6	U	3.67E-03
041M06100	Bromodichloromethane	11/16/1995	75274		0.00159		6	U	
041M06100	Bromoform	11/16/1995	75252	1.22E+01	0.00159	1.94E+00	6	U	1.95E-03
041M06100	Bromomethane	11/16/1995	74839	4.03E+00	0.00159	6.41E-01	6	U	5.89E-03
041M06100	Carbon disulfide	11/16/1995	75150		0.00159		6	U	
041M06100	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.00159	1.23E+00	6	U	3.07E-03
041M06100	Chlorobenzene	11/16/1995	108907	5.59E+00	0.00159	8.88E-01	6	U	4.25E-03
041M06100	Chloroethane	11/16/1995	75003		0.00159		6	U	
041M06100	Chloroform	11/16/1995	67663	5.59E+00	0.00159	8.88E-01	6	U	4.25E-03
041M06100	Chloromethane	11/16/1995	74873	2.12E+00	0.00159	3.37E-01	6	U	1.12E-02
041M06100	cis-1,3-Dichloropropene	11/16/1995	10061015		0.00159		6	U	
041M06100	Dibromochloromethane	11/16/1995	124481		0.00159		6	U	
041M06100	Ethylbenzene	11/16/1995	100414	9.64E+00	0.00159	1.53E+00	6	U	2.46E-03
041M06100	Methylene chloride	11/16/1995	75092	3.73E+00	0.00159	5.93E-01	7	U	7.43E-03
041M06100	Styrene	11/16/1995	100425	9.18E+00	0.00159	1.46E+00	6	U	2.59E-03
041M06100	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.00159	1.40E+00	6	U	2.69E-03
041M06100	Toluene	11/16/1995	108883	8.05E+00	0.00159	1.28E+00	6	U	2.95E-03
041M06100	trans-1,3-Dichloropropene	11/16/1995	10061026		0.00159		6	U	
041M06100	Trichloroethene	11/16/1995	79016	6.65E+00	0.00159	1.06E+00	6	U	3.57E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 7 Phase: 2 Wetland: 6 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M06100	Vinyl chloride	11/16/1995	75014		0.00159		2	U	
041M06100	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.00159	1.54E+00	6	U	2.45E-03
041M06110	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.00137	8.91E-01	6	U	4.91E-03
041M06110	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.00137	1.11E+00	6	U	3.93E-03
041M06110	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.00137	8.55E-01	6	U	5.12E-03
041M06110	1,1-Dichloroethane	11/16/1995	75343		0.00137		6	U	
041M06110	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.00137	6.37E-01	6	U	6.88E-03
041M06110	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.00137	6.07E-01	6	U	7.22E-03
041M06110	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.00137	6.32E-01	6	U	6.93E-03
041M06110	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.00137	7.21E-01	6	U	6.07E-03
041M06110	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.00137	4.01E-01	6	U	1.09E-02
041M06110	2-Hexanone	11/16/1995	591786	4.43E+00	0.00137	6.07E-01	6	U	7.22E-03
041M06110	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.00137	6.01E-01	6	U	7.29E-03
041M06110	Acetone	11/16/1995	67641	1.34E+01	0.00137	1.83E+00	790	D	3.14E-01
041M06110	Benzene	11/16/1995	71432	6.46E+00	0.00137	8.85E-01	6	U	4.95E-03
041M06110	Bromodichloromethane	11/16/1995	75274		0.00137		6	U	
041M06110	Bromoform	11/16/1995	75252	1.22E+01	0.00137	1.67E+00	6	U	2.62E-03
041M06110	Bromomethane	11/16/1995	74839	4.03E+00	0.00137	5.52E-01	6	U	7.94E-03
041M06110	Carbon disulfide	11/16/1995	75150		0.00137		6	U	
041M06110	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.00137	1.06E+00	6	U	4.13E-03
041M06110	Chlorobenzene	11/16/1995	108907	5.59E+00	0.00137	7.65E-01	6	U	5.72E-03
041M06110	Chloroethane	11/16/1995	75003		0.00137		6	U	
041M06110	Chloroform	11/16/1995	67663	5.59E+00	0.00137	7.65E-01	6	U	5.72E-03
041M06110	Chloromethane	11/16/1995	74873	2.12E+00	0.00137	2.91E-01	6	U	1.51E-02
041M06110	cis-1,3-Dichloropropene	11/16/1995	10061015		0.00137		6	U	
041M06110	Dibromochloromethane	11/16/1995	124481		0.00137		6	U	
041M06110	Ethylbenzene	11/16/1995	100414	9.64E+00	0.00137	1.32E+00	6	U	3.32E-03
041M06110	Methylene chloride	11/16/1995	75092	3.73E+00	0.00137	5.11E-01	16	U	2.29E-02
041M06110	Styrene	11/16/1995	100425	9.18E+00	0.00137	1.26E+00	6	U	3.48E-03
041M06110	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.00137	1.21E+00	4	J	2.41E-03
041M06110	Toluene	11/16/1995	108883	8.05E+00	0.00137	1.10E+00	6	U	3.97E-03
041M06110	trans-1,3-Dichloropropene	11/16/1995	10061026		0.00137		6	U	
041M06110	Trichloroethene	11/16/1995	79016	6.65E+00	0.00137	9.11E-01	3	J	2.40E-03
041M06110	Vinyl chloride	11/16/1995	75014		0.00137		2	U	
041M06110	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.00137	1.33E+00	6	U	3.30E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
033M00100	1,1,1-Trichloroethane	1/19/1993	71556	6.50E+00	0.00203	1.32E+00	6.5	U	2.42E-03
033M00100	1,1,2,2-Tetrachloroethane	1/19/1993	79345	8.13E+00	0.00203	1.65E+00	6.5	U	1.94E-03
033M00100	1,1,2-Trichloroethane	1/19/1993	79005	6.24E+00	0.00203	1.27E+00	6.5	U	2.53E-03
033M00100	1,1-Dichloroethane	1/19/1993	75343		0.00203		6.5	U	
033M00100	1,1-Dichloroethene	1/19/1993	75354	4.65E+00	0.00203	9.44E-01	6.5	U	3.39E-03
033M00100	1,2-Dichloroethane	1/19/1993	107062	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00100	1,2-Dichloroethene (total)	1/19/1993	540590	4.61E+00	0.00203	9.36E-01	6.5	U	3.42E-03
033M00100	1,2-Dichloropropane	1/19/1993	78875	5.26E+00	0.00203	1.07E+00	6.5	U	3.00E-03
033M00100	2-Butanone (MEK)	1/19/1993	78933	2.93E+00	0.00203	5.94E-01	6.5	U	5.39E-03
033M00100	2-Hexanone	1/19/1993	591786	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00100	4-Methyl-2-Pentanone (MIBK)	1/19/1993	108101	4.38E+00	0.00203	8.90E-01	6.5	U	3.60E-03
033M00100	Acetone	1/19/1993	67641	1.34E+01	0.00203	2.72E+00	17	U	3.08E-03
033M00100	Benzene	1/19/1993	71432	6.46E+00	0.00203	1.31E+00	6.5	U	2.44E-03
033M00100	Bromodichloromethane	1/19/1993	75274		0.00203		6.5	U	
033M00100	Bromoform	1/19/1993	75252	1.22E+01	0.00203	2.47E+00	6.5	U	1.29E-03
033M00100	Bromomethane	1/19/1993	74839	4.03E+00	0.00203	8.18E-01	6.5	U	3.92E-03
033M00100	Carbon disulfide	1/19/1993	75150		0.00203		6.5	U	
033M00100	Carbon tetrachloride	1/19/1993	56235	7.73E+00	0.00203	1.57E+00	6.5	U	2.04E-03
033M00100	Chlorobenzene	1/19/1993	108907	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00100	Chloroethane	1/19/1993	75003		0.00203		6.5	U	
033M00100	Chloroform	1/19/1993	67663	5.59E+00	0.00203	1.13E+00	1	U	4.34E-04
033M00100	Chloromethane	1/19/1993	74873	2.12E+00	0.00203	4.31E-01	6.5	U	7.44E-03
033M00100	cis-1,3-Dichloropropene	1/19/1993	10061015		0.00203		6.5	U	
033M00100	Dibromochloromethane	1/19/1993	124481		0.00203		6.5	U	
033M00100	Ethylbenzene	1/19/1993	100414	9.64E+00	0.00203	1.96E+00	6.5	U	1.64E-03
033M00100	Methylene chloride	1/19/1993	75092	3.73E+00	0.00203	7.57E-01	5	U	3.25E-03
033M00100	Styrene	1/19/1993	100425	9.18E+00	0.00203	1.86E+00	6.5	U	1.72E-03
033M00100	Tetrachloroethene	1/19/1993	127184	8.83E+00	0.00203	1.79E+00	6.5	U	1.79E-03
033M00100	Toluene	1/19/1993	108883	8.05E+00	0.00203	1.63E+00	6.5	U	1.96E-03
033M00100	trans-1,3-Dichloropropene	1/19/1993	10061026		0.00203		6.5	U	
033M00100	Trichloroethene	1/19/1993	79016	6.65E+00	0.00203	1.35E+00	6.5	U	2.37E-03
033M00100	Vinyl chloride	1/19/1993	75014		0.00203		6.5	U	
033M00100	Xylene (Total)	1/19/1993	1330207	9.70E+00	0.00203	1.97E+00	6.5	U	1.63E-03
033M00200	1,1,1-Trichloroethane	1/19/1993	71556	6.50E+00	0.00203	1.32E+00	6.5	U	2.42E-03
033M00200	1,1,2,2-Tetrachloroethane	1/19/1993	79345	8.13E+00	0.00203	1.65E+00	6.5	U	1.94E-03
033M00200	1,1,2-Trichloroethane	1/19/1993	79005	6.24E+00	0.00203	1.27E+00	6.5	U	2.53E-03
033M00200	1,1-Dichloroethane	1/19/1993	75343		0.00203		6.5	U	
033M00200	1,1-Dichloroethene	1/19/1993	75354	4.65E+00	0.00203	9.44E-01	6.5	U	3.39E-03
033M00200	1,2-Dichloroethane	1/19/1993	107062	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00200	1,2-Dichloroethene (total)	1/19/1993	540590	4.61E+00	0.00203	9.36E-01	6.5	U	3.42E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
033M00200	1,2-Dichloropropane	1/19/1993	78875	5.26E+00	0.00203	1.07E+00	6.5	U	3.00E-03
033M00200	2-Butanone (MEK)	1/19/1993	78933	2.93E+00	0.00203	5.94E-01	6.5	U	5.39E-03
033M00200	2-Hexanone	1/19/1993	591786	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00200	4-Methyl-2-Pentanone (MIBK)	1/19/1993	108101	4.38E+00	0.00203	8.90E-01	6.5	U	3.60E-03
033M00200	Acetone	1/19/1993	67641	1.34E+01	0.00203	2.72E+00	23.5	U	4.26E-03
033M00200	Benzene	1/19/1993	71432	6.46E+00	0.00203	1.31E+00	6.5	U	2.44E-03
033M00200	Bromodichloromethane	1/19/1993	75274		0.00203		6.5	U	
033M00200	Bromoform	1/19/1993	75252	1.22E+01	0.00203	2.47E+00	6.5	U	1.29E-03
033M00200	Bromomethane	1/19/1993	74839	4.03E+00	0.00203	8.18E-01	6.5	U	3.92E-03
033M00200	Carbon disulfide	1/19/1993	75150		0.00203		6.5	U	
033M00200	Carbon tetrachloride	1/19/1993	56235	7.73E+00	0.00203	1.57E+00	6.5	U	2.04E-03
033M00200	Chlorobenzene	1/19/1993	108907	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00200	Chloroethane	1/19/1993	75003		0.00203		6.5	U	
033M00200	Chloroform	1/19/1993	67663	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00200	Chloromethane	1/19/1993	74873	2.12E+00	0.00203	4.31E-01	6.5	U	7.44E-03
033M00200	cis-1,3-Dichloropropene	1/19/1993	10061015		0.00203		6.5	U	
033M00200	Dibromochloromethane	1/19/1993	124481		0.00203		6.5	U	
033M00200	Ethylbenzene	1/19/1993	100414	9.64E+00	0.00203	1.96E+00	6.5	U	1.64E-03
033M00200	Methylene chloride	1/19/1993	75092	3.73E+00	0.00203	7.57E-01	6.5	U	4.23E-03
033M00200	Styrene	1/19/1993	100425	9.18E+00	0.00203	1.86E+00	6.5	U	1.72E-03
033M00200	Tetrachloroethene	1/19/1993	127184	8.83E+00	0.00203	1.79E+00	6.5	U	1.79E-03
033M00200	Toluene	1/19/1993	108883	8.05E+00	0.00203	1.63E+00	6.5	U	1.96E-03
033M00200	trans-1,3-Dichloropropene	1/19/1993	10061026		0.00203		6.5	U	
033M00200	Trichloroethene	1/19/1993	79016	6.65E+00	0.00203	1.35E+00	6.5	U	2.37E-03
033M00200	Vinyl chloride	1/19/1993	75014		0.00203		6.5	U	
033M00200	Xylene (Total)	1/19/1993	1330207	9.70E+00	0.00203	1.97E+00	6.5	U	1.63E-03
033M00300	1,1,1-Trichloroethane	1/19/1993	71556	6.50E+00	0.00203	1.32E+00	6.5	U	2.42E-03
033M00300	1,1,2,2-Tetrachloroethane	1/19/1993	79345	8.13E+00	0.00203	1.65E+00	6.5	U	1.94E-03
033M00300	1,1,2-Trichloroethane	1/19/1993	79005	6.24E+00	0.00203	1.27E+00	6.5	U	2.53E-03
033M00300	1,1-Dichloroethane	1/19/1993	75343		0.00203		6.5	U	
033M00300	1,1-Dichloroethene	1/19/1993	75354	4.65E+00	0.00203	9.44E-01	6.5	U	3.39E-03
033M00300	1,2-Dichloroethane	1/19/1993	107062	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00300	1,2-Dichloroethene (total)	1/19/1993	540590	4.61E+00	0.00203	9.36E-01	6.5	U	3.42E-03
033M00300	1,2-Dichloropropane	1/19/1993	78875	5.26E+00	0.00203	1.07E+00	6.5	U	3.00E-03
033M00300	2-Butanone (MEK)	1/19/1993	78933	2.93E+00	0.00203	5.94E-01	6.5	U	5.39E-03
033M00300	2-Hexanone	1/19/1993	591786	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00300	4-Methyl-2-Pentanone (MIBK)	1/19/1993	108101	4.38E+00	0.00203	8.90E-01	6.5	U	3.60E-03
033M00300	Acetone	1/19/1993	67641	1.34E+01	0.00203	2.72E+00	24	U	4.35E-03
033M00300	Benzene	1/19/1993	71432	6.46E+00	0.00203	1.31E+00	6.5	U	2.44E-03
033M00300	Bromodichloromethane	1/19/1993	75274		0.00203		6.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
033M00300	Bromoform	1/19/1993	75252	1.22E+01	0.00203	2.47E+00	6.5	U	1.29E-03
033M00300	Bromomethane	1/19/1993	74839	4.03E+00	0.00203	8.18E-01	6.5	U	3.92E-03
033M00300	Carbon disulfide	1/19/1993	75150		0.00203		6.5	U	
033M00300	Carbon tetrachloride	1/19/1993	56235	7.73E+00	0.00203	1.57E+00	6.5	U	2.04E-03
033M00300	Chlorobenzene	1/19/1993	108907	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00300	Chloroethane	1/19/1993	75003		0.00203		6.5	U	
033M00300	Chloroform	1/19/1993	67663	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00300	Chloromethane	1/19/1993	74873	2.12E+00	0.00203	4.31E-01	6.5	U	7.44E-03
033M00300	cis-1,3-Dichloropropene	1/19/1993	10061015		0.00203		6.5	U	
033M00300	Dibromochloromethane	1/19/1993	124481		0.00203		6.5	U	
033M00300	Ethylbenzene	1/19/1993	100414	9.64E+00	0.00203	1.96E+00	6.5	U	1.64E-03
033M00300	Methylene chloride	1/19/1993	75092	3.73E+00	0.00203	7.52E-01	7.5	U	4.88E-03
033M00300	Styrene	1/19/1993	100425	9.18E+00	0.00203	1.86E+00	6.5	U	1.72E-03
033M00300	Tetrachloroethene	1/19/1993	127184	8.83E+00	0.00203	1.79E+00	6.5	U	1.79E-03
033M00300	Toluene	1/19/1993	108883	8.05E+00	0.00203	1.63E+00	6.5	U	1.96E-03
033M00300	trans-1,3-Dichloropropene	1/19/1993	10061026		0.00203		6.5	U	
033M00300	Trichloroethene	1/19/1993	79016	6.65E+00	0.00203	1.35E+00	6.5	U	2.37E-03
033M00300	Vinyl chloride	1/19/1993	75014		0.00203		6.5	U	
033M00300	Xylene (Total)	1/19/1993	1330207	9.70E+00	0.00203	1.97E+00	6.5	U	1.63E-03
033M00400	1,1,1-Trichloroethane	1/19/1993	71556	6.50E+00	0.00203	1.32E+00	6.5	U	2.42E-03
033M00400	1,1,2,2-Tetrachloroethane	1/19/1993	79345	8.13E+00	0.00203	1.65E+00	6.5	U	1.94E-03
033M00400	1,1,2-Trichloroethane	1/19/1993	79005	6.24E+00	0.00203	1.27E+00	6.5	U	2.53E-03
033M00400	1,1-Dichloroethane	1/19/1993	75343		0.00203		6.5	U	
033M00400	1,1-Dichloroethene	1/19/1993	75354	4.65E+00	0.00203	9.44E-01	6.5	U	3.39E-03
033M00400	1,2-Dichloroethane	1/19/1993	107062	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00400	1,2-Dichloroethene (total)	1/19/1993	540590	4.61E+00	0.00203	9.36E-01	6.5	U	3.42E-03
033M00400	1,2-Dichloropropane	1/19/1993	78875	5.26E+00	0.00203	1.07E+00	6.5	U	3.00E-03
033M00400	2-Butanone (MEK)	1/19/1993	78933	2.93E+00	0.00203	5.94E-01	6.5	U	5.39E-03
033M00400	2-Hexanone	1/19/1993	591786	4.43E+00	0.00203	8.99E-01	6.5	U	3.56E-03
033M00400	4-Methyl-2-Pentanone (MIBK)	1/19/1993	108101	4.38E+00	0.00203	8.90E-01	6.5	U	3.60E-03
033M00400	Acetone	1/19/1993	67641	1.34E+01	0.00203	2.72E+00	22.5	U	4.08E-03
033M00400	Benzene	1/19/1993	71432	6.46E+00	0.00203	1.31E+00	6.5	U	2.44E-03
033M00400	Bromodichloromethane	1/19/1993	75274		0.00203		6.5	U	
033M00400	Bromoform	1/19/1993	75252	1.22E+01	0.00203	2.47E+00	6.5	U	1.29E-03
033M00400	Bromomethane	1/19/1993	74839	4.03E+00	0.00203	8.18E-01	6.5	U	3.92E-03
033M00400	Carbon disulfide	1/19/1993	75150		0.00203		6.5	U	
033M00400	Carbon tetrachloride	1/19/1993	56235	7.73E+00	0.00203	1.57E+00	6.5	U	2.04E-03
033M00400	Chlorobenzene	1/19/1993	108907	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03
033M00400	Chloroethane	1/19/1993	75003		0.00203		6.5	U	
033M00400	Chloroform	1/19/1993	67663	5.59E+00	0.00203	1.13E+00	6.5	U	2.82E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
033M00400	Chloromethane	1/19/1993	74873	2.12E+00	0.00203	4.31E-01	6.5	U	7.44E-03
033M00400	cis-1,3-Dichloropropene	1/19/1993	10061015		0.00203		6.5	U	
033M00400	Dibromochloromethane	1/19/1993	124481		0.00203		6.5	U	
033M00400	Ethylbenzene	1/19/1993	100414	9.64E+00	0.00203	1.96E+00	6.5	U	1.64E-03
033M00400	Methylene chloride	1/19/1993	75092	3.73E+00	0.00203	7.57E-01	5.5	U	3.58E-03
033M00400	Styrene	1/19/1993	100425	9.18E+00	0.00203	1.86E+00	6.5	U	1.72E-03
033M00400	Tetrachloroethene	1/19/1993	127184	8.83E+00	0.00203	1.79E+00	6.5	U	1.79E-03
033M00400	Toluene	1/19/1993	108883	8.05E+00	0.00203	1.63E+00	6.5	U	1.96E-03
033M00400	trans-1,3-Dichloropropene	1/19/1993	10061026		0.00203		6.5	U	
033M00400	Trichloroethene	1/19/1993	79016	6.65E+00	0.00203	1.35E+00	6.5	U	2.37E-03
033M00400	Vinyl chloride	1/19/1993	75014		0.00203		6.5	U	
033M00400	Xylene (Total)	1/19/1993	1330207	9.70E+00	0.00203	1.97E+00	6.5	U	1.63E-03
041M10A1	1,1,1-Trichloroethane	11/28/1995	71556	6.50E+00	0.00369	2.40E+00	6.5	U	7.34E-04
041M10A1	1,1,2,2-Tetrachloroethane	11/28/1995	79345	8.13E+00	0.00369	3.00E+00	6.5	U	5.87E-04
041M10A1	1,1,2-Trichloroethane	11/28/1995	79005	6.24E+00	0.00369	2.30E+00	6.5	U	7.65E-04
041M10A1	1,1-Dichloroethane	11/28/1995	75343		0.00369		6.5	U	
041M10A1	1,1-Dichloroethene	11/28/1995	75354	4.65E+00	0.00369	1.72E+00	6.5	U	1.03E-03
041M10A1	1,2-Dichloroethane	11/28/1995	107062	4.43E+00	0.00369	1.63E+00	6.5	U	1.08E-03
041M10A1	1,2-Dichloroethene (total)	11/28/1995	540590	4.61E+00	0.00369	1.70E+00	6.5	U	1.03E-03
041M10A1	1,2-Dichloropropane	11/28/1995	78875	5.26E+00	0.00369	1.94E+00	6.5	U	9.07E-04
041M10A1	2-Butanone (MEK)	11/28/1995	78933	2.93E+00	0.00369	1.08E+00	6.5	U	1.63E-03
041M10A1	2-Hexanone	11/28/1995	591786	4.43E+00	0.00369	1.63E+00	6.5	U	1.08E-03
041M10A1	4-Methyl-2-Pentanone (MIBK)	11/28/1995	108101	4.38E+00	0.00369	1.62E+00	6.5	U	1.09E-03
041M10A1	Acetone	11/28/1995	67641	1.34E+01	0.00369	4.94E+00	12.5	U	6.86E-04
041M10A1	Benzene	11/28/1995	71432	6.46E+00	0.00369	2.38E+00	6.5	U	7.39E-04
041M10A1	Bromodichloromethane	11/28/1995	75274		0.00369		6.5	U	
041M10A1	Bromoform	11/28/1995	75252	1.22E+01	0.00369	4.50E+00	6.5	U	3.92E-04
041M10A1	Bromomethane	11/28/1995	74839	4.03E+00	0.00369	1.49E+00	6.5	U	1.18E-03
041M10A1	Carbon disulfide	11/28/1995	75150		0.00369		6.5	U	
041M10A1	Carbon tetrachloride	11/28/1995	56235	7.73E+00	0.00369	2.85E+00	6.5	U	6.17E-04
041M10A1	Chlorobenzene	11/28/1995	108907	5.59E+00	0.00369	2.06E+00	6.5	U	8.55E-04
041M10A1	Chloroethane	11/28/1995	75003		0.00369		6.5	U	
041M10A1	Chloroform	11/28/1995	67663	5.59E+00	0.00369	2.06E+00	6.5	U	8.54E-04
041M10A1	Chloromethane	11/28/1995	74873	2.12E+00	0.00369	7.83E-01	6.5	U	2.25E-03
041M10A1	cis-1,3-Dichloropropene	11/28/1995	10061015		0.00369		6.5	U	
041M10A1	Dibromochloromethane	11/28/1995	124481		0.00369		6.5	U	
041M10A1	Ethylbenzene	11/28/1995	100414	9.64E+00	0.00369	3.56E+00	6.5	U	4.95E-04
041M10A1	Methylene chloride	11/28/1995	75092	3.73E+00	0.00369	1.38E+00	8.5	U	1.67E-03
041M10A1	Styrene	11/28/1995	100425	9.18E+00	0.00369	3.39E+00	6.5	U	5.20E-04
041M10A1	Tetrachloroethene	11/28/1995	127184	8.83E+00	0.00369	3.26E+00	6.5	U	5.41E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M10A1	Toluene	11/28/1995	108883	8.05E+00	0.00369	2.97E+00	6.5	U	5.93E-04
041M10A1	trans-1,3-Dichloropropene	11/28/1995	10061026		0.00369		6.5	U	
041M10A1	Trichloroethene	11/28/1995	79016	6.65E+00	0.00369	2.45E+00	6.5	U	7.18E-04
041M10A1	Vinyl chloride	11/28/1995	75014		0.00369		2	U	
041M10A1	Xylene (Total)	11/28/1995	1330207	9.70E+00	0.00369	3.58E+00	6.5	U	4.92E-04
041M10A2	1,1,1-Trichloroethane	11/28/1995	71556	6.50E+00	0.00203	1.32E+00	6	U	2.24E-03
041M10A2	1,1,2,2-Tetrachloroethane	11/28/1995	79345	8.13E+00	0.00203	1.65E+00	6	U	1.79E-03
041M10A2	1,1,2-Trichloroethane	11/28/1995	79005	6.24E+00	0.00203	1.27E+00	6	U	2.33E-03
041M10A2	1,1-Dichloroethane	11/28/1995	75343		0.00203		6	U	
041M10A2	1,1-Dichloroethene	11/28/1995	75354	4.65E+00	0.00203	9.44E-01	6	U	3.13E-03
041M10A2	1,2-Dichloroethane	11/28/1995	107062	4.43E+00	0.00203	8.99E-01	6	U	3.29E-03
041M10A2	1,2-Dichloroethene (total)	11/28/1995	540590	4.61E+00	0.00203	9.36E-01	6	U	3.16E-03
041M10A2	1,2-Dichloropropane	11/28/1995	78875	5.26E+00	0.00203	1.07E+00	6	U	2.77E-03
041M10A2	2-Butanone (MEK)	11/28/1995	78933	2.93E+00	0.00203	5.94E-01	6	U	4.97E-03
041M10A2	2-Hexanone	11/28/1995	591786	4.43E+00	0.00203	8.99E-01	6	U	3.29E-03
041M10A2	4-Methyl-2-Pentanone (MIBK)	11/28/1995	108101	4.38E+00	0.00203	8.90E-01	6	U	3.32E-03
041M10A2	Acetone	11/28/1995	67641	1.34E+01	0.00203	2.72E+00	6	U	1.09E-03
041M10A2	Benzene	11/28/1995	71432	6.46E+00	0.00203	1.31E+00	6	U	2.25E-03
041M10A2	Bromodichloromethane	11/28/1995	75274		0.00203		6	U	
041M10A2	Bromoform	11/28/1995	75252	1.22E+01	0.00203	2.47E+00	6	U	1.19E-03
041M10A2	Bromomethane	11/28/1995	74839	4.03E+00	0.00203	8.18E-01	6	U	3.61E-03
041M10A2	Carbon disulfide	11/28/1995	75150		0.00203		6	U	
041M10A2	Carbon tetrachloride	11/28/1995	56235	7.73E+00	0.00203	1.57E+00	6	U	1.88E-03
041M10A2	Chlorobenzene	11/28/1995	108907	5.59E+00	0.00203	1.13E+00	6	U	2.61E-03
041M10A2	Chloroethane	11/28/1995	75003		0.00203		6	U	
041M10A2	Chloroform	11/28/1995	67663	5.59E+00	0.00203	1.13E+00	6	U	2.61E-03
041M10A2	Chloromethane	11/28/1995	74873	2.12E+00	0.00203	4.31E-01	6	U	6.86E-03
041M10A2	cis-1,3-Dichloropropene	11/28/1995	10061015		0.00203		6	U	
041M10A2	Dibromochloromethane	11/28/1995	124481		0.00203		6	U	
041M10A2	Ethylbenzene	11/28/1995	100414	9.64E+00	0.00203	1.96E+00	6	U	1.51E-03
041M10A2	Methylene chloride	11/28/1995	75092	3.73E+00	0.00203	7.57E-01	8	U	5.21E-03
041M10A2	Styrene	11/28/1995	100425	9.18E+00	0.00203	1.86E+00	6	U	1.59E-03
041M10A2	Tetrachloroethene	11/28/1995	127184	8.83E+00	0.00203	1.79E+00	6	U	1.65E-03
041M10A2	Toluene	11/28/1995	108883	8.05E+00	0.00203	1.63E+00	6	U	1.81E-03
041M10A2	trans-1,3-Dichloropropene	11/28/1995	10061026		0.00203		6	U	
041M10A2	Trichloroethene	11/28/1995	79016	6.65E+00	0.00203	1.35E+00	6	U	2.19E-03
041M10A2	Vinyl chloride	11/28/1995	75014		0.00203		2	U	
041M10A2	Xylene (Total)	11/28/1995	1330207	9.70E+00	0.00203	1.97E+00	6	U	1.50E-03
041M10A3	1,1,1-Trichloroethane	11/27/1995	71556	6.50E+00	0.00564	3.67E+00	6.5	U	3.14E-04
041M10A3	1,1,2,2-Tetrachloroethane	11/27/1995	79345	8.13E+00	0.00564	4.59E+00	6.5	U	2.51E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 8 Phase: 2 Wetland: 10 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M10A3	1,1,2-Trichloroethane	11/27/1995	79005	6.24E+00	0.00564	3.52E+00	6.5	U	3.27E-04
041M10A3	1,1-Dichloroethane	11/27/1995	75343		0.00564		6.5	U	
041M10A3	1,1-Dichloroethene	11/27/1995	75354	4.65E+00	0.00564	2.62E+00	6.5	U	4.40E-04
041M10A3	1,2-Dichloroethane	11/27/1995	107062	4.43E+00	0.00564	2.50E+00	6.5	U	4.61E-04
041M10A3	1,2-Dichloroethene (total)	11/27/1995	540590	4.61E+00	0.00564	2.60E+00	6.5	U	4.43E-04
041M10A3	1,2-Dichloropropane	11/27/1995	78875	5.26E+00	0.00564	2.97E+00	6.5	U	3.88E-04
041M10A3	2-Butanone (MEK)	11/27/1995	78933	2.93E+00	0.00564	1.65E+00	6.5	U	6.98E-04
041M10A3	2-Hexanone	11/27/1995	591786	4.43E+00	0.00564	2.50E+00	6.5	U	4.61E-04
041M10A3	4-Methyl-2-Pentanone (MIBK)	11/27/1995	108101	4.38E+00	0.00564	2.47E+00	6.5	U	4.66E-04
041M10A3	Acetone	11/27/1995	67641	1.34E+01	0.00564	7.55E+00	9.5	U	2.23E-04
041M10A3	Benzene	11/27/1995	71432	6.46E+00	0.00564	3.64E+00	6.5	U	3.16E-04
041M10A3	Bromodichloromethane	11/27/1995	75274		0.00564		6.5	U	
041M10A3	Bromoform	11/27/1995	75252	1.22E+01	0.00564	6.87E+00	6.5	U	1.68E-04
041M10A3	Bromomethane	11/27/1995	74839	4.03E+00	0.00564	2.27E+00	6.5	U	5.07E-04
041M10A3	Carbon disulfide	11/27/1995	75150		0.00564		6.5	U	
041M10A3	Carbon tetrachloride	11/27/1995	56235	7.73E+00	0.00564	4.36E+00	6.5	U	2.64E-04
041M10A3	Chlorobenzene	11/27/1995	108907	5.59E+00	0.00564	3.15E+00	6.5	U	3.66E-04
041M10A3	Chloroethane	11/27/1995	75003		0.00564		6.5	U	
041M10A3	Chloroform	11/27/1995	67663	5.59E+00	0.00564	3.15E+00	6.5	U	3.66E-04
041M10A3	Chloromethane	11/27/1995	74873	2.12E+00	0.00564	1.20E+00	6.5	U	9.63E-04
041M10A3	cis-1,3-Dichloropropene	11/27/1995	10061015		0.00564		6.5	U	
041M10A3	Dibromochloromethane	11/27/1995	124481		0.00564		6.5	U	
041M10A3	Ethylbenzene	11/27/1995	100414	9.64E+00	0.00564	5.44E+00	6.5	U	2.12E-04
041M10A3	Methylene chloride	11/27/1995	75092	3.73E+00	0.00564	2.10E+00	10.5	U	8.85E-04
041M10A3	Styrene	11/27/1995	100425	9.18E+00	0.00564	5.18E+00	6.5	U	2.23E-04
041M10A3	Tetrachloroethene	11/27/1995	127184	8.83E+00	0.00564	4.98E+00	6.5	U	2.32E-04
041M10A3	Toluene	11/27/1995	108883	8.05E+00	0.00564	4.54E+00	6.5	U	2.54E-04
041M10A3	trans-1,3-Dichloropropene	11/27/1995	10061026		0.00564		6.5	U	
041M10A3	Trichloroethene	11/27/1995	79016	6.65E+00	0.00564	3.75E+00	6.5	U	3.07E-04
041M10A3	Vinyl chloride	11/27/1995	75014		0.00564		6.5	U	
041M10A3	Xylene (Total)	11/27/1995	1330207	9.70E+00	0.00564	5.47E+00	6.5	U	2.11E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 9 Phase: 2 Wetland: 12 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M12010	1,1,1-Trichloroethane	11/28/1995	71556	6.50E+00	0.00724	4.71E+00	950	U	2.79E-02
041M12010	1,1,2,2-Tetrachloroethane	11/28/1995	79345	8.13E+00	0.00724	5.89E+00	950	U	2.23E-02
041M12010	1,1,2-Trichloroethane	11/28/1995	79005	6.24E+00	0.00724	4.52E+00	950	U	2.90E-02
041M12010	1,1-Dichloroethane	11/28/1995	75343		0.00724		950	U	
041M12010	1,1-Dichloroethene	11/28/1995	75354	4.65E+00	0.00724	3.37E+00	950	U	3.90E-02
041M12010	1,2-Dichloroethane	11/28/1995	107062	4.43E+00	0.00724	3.21E+00	950	U	4.09E-02
041M12010	1,2-Dichloroethene (total)	11/28/1995	540590	4.61E+00	0.00724	3.34E+00	950	U	3.93E-02
041M12010	1,2-Dichloropropane	11/28/1995	78875	5.26E+00	0.00724	3.81E+00	950	U	3.44E-02
041M12010	2-Butanone (MEK)	11/28/1995	78933	2.93E+00	0.00724	2.12E+00	950	U	6.19E-02
041M12010	2-Hexanone	11/28/1995	591786	4.43E+00	0.00724	3.21E+00	950	U	4.09E-02
041M12010	4-Methyl-2-Pentanone (MIBK)	11/28/1995	108101	4.38E+00	0.00724	3.17E+00	950	U	4.13E-02
041M12010	Acetone	11/28/1995	67641	1.34E+01	0.00724	9.69E+00	950	U	1.35E-02
041M12010	Benzene	11/28/1995	71432	6.46E+00	0.00724	4.68E+00	950	U	2.80E-02
041M12010	Bromodichloromethane	11/28/1995	75274		0.00724		950	U	
041M12010	Bromoform	11/28/1995	75252	1.22E+01	0.00724	8.82E+00	950	U	1.49E-02
041M12010	Bromomethane	11/28/1995	74839	4.03E+00	0.00724	2.92E+00	950	U	4.50E-02
041M12010	Carbon disulfide	11/28/1995	75150		0.00724		950	U	
041M12010	Carbon tetrachloride	11/28/1995	56235	7.73E+00	0.00724	5.60E+00	950	U	2.34E-02
041M12010	Chlorobenzene	11/28/1995	108907	5.59E+00	0.00724	4.04E+00	950	U	3.24E-02
041M12010	Chloroethane	11/28/1995	75003		0.00724		950	U	
041M12010	Chloroform	11/28/1995	67663	5.59E+00	0.00724	4.04E+00	950	U	3.24E-02
041M12010	Chloromethane	11/28/1995	74873	2.12E+00	0.00724	1.54E+00	950	U	8.54E-02
041M12010	cis-1,3-Dichloropropene	11/28/1995	10061015		0.00724		950	U	
041M12010	Dibromochloromethane	11/28/1995	124481		0.00724		950	U	
041M12010	Ethylbenzene	11/28/1995	100414	9.64E+00	0.00724	6.98E+00	950	U	1.88E-02
041M12010	Methylene chloride	11/28/1995	75092	3.73E+00	0.00724	2.70E+00	950	U	4.86E-02
041M12010	Styrene	11/28/1995	100425	9.18E+00	0.00724	6.64E+00	950	U	1.98E-02
041M12010	Tetrachloroethene	11/28/1995	127184	8.83E+00	0.00724	6.39E+00	950	U	2.05E-02
041M12010	Toluene	11/28/1995	108883	8.05E+00	0.00724	5.83E+00	950	U	2.25E-02
041M12010	trans-1,3-Dichloropropene	11/28/1995	10061026		0.00724		950	U	
041M12010	Trichloroethene	11/28/1995	79016	6.65E+00	0.00724	4.82E+00	950	U	2.72E-02
041M12010	Vinyl chloride	11/28/1995	75014		0.00724		285	U	
041M12010	Xylene (Total)	11/28/1995	1330207	9.70E+00	0.00724	7.02E+00	950	U	1.87E-02
041M12020	1,1,1-Trichloroethane	11/29/1995	71556	6.50E+00	0.041	2.67E+01	1300	U	1.19E-03
041M12020	1,1,2,2-Tetrachloroethane	11/29/1995	79345	8.13E+00	0.041	3.34E+01	1300	U	9.51E-04
041M12020	1,1,2-Trichloroethane	11/29/1995	79005	6.24E+00	0.041	2.56E+01	1300	U	1.24E-03
041M12020	1,1-Dichloroethane	11/29/1995	75343		0.041		1300	U	
041M12020	1,1-Dichloroethene	11/29/1995	75354	4.65E+00	0.041	1.91E+01	1300	U	1.66E-03
041M12020	1,2-Dichloroethane	11/29/1995	107062	4.43E+00	0.041	1.82E+01	1300	U	1.75E-03
041M12020	1,2-Dichloroethene (total)	11/29/1995	540590	4.61E+00	0.041	1.89E+01	1300	U	1.68E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 9 Phase: 2 Wetland: 12 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M12020	1,2-Dichloropropane	11/29/1995	78875	5.26E+00	0.041	2.16E+01	1300	U	1.47E-03
041M12020	2-Butanone (MEK)	11/29/1995	78933	2.93E+00	0.041	1.20E+01	1300	U	2.64E-03
041M12020	2-Hexanone	11/29/1995	591786	4.43E+00	0.041	1.82E+01	1300	U	1.75E-03
041M12020	4-Methyl-2-Pentanone (MIBK)	11/29/1995	108101	4.38E+00	0.041	1.80E+01	1300	U	1.76E-03
041M12020	Acetone	11/29/1995	67641	1.34E+01	0.041	5.49E+01	1300	UJ	5.78E-04
041M12020	Benzene	11/29/1995	71432	6.46E+00	0.041	2.65E+01	1300	U	1.20E-03
041M12020	Bromodichloromethane	11/29/1995	75274		0.041		1300	U	
041M12020	Bromoform	11/29/1995	75252	1.22E+01	0.041	5.00E+01	1300	U	6.35E-04
041M12020	Bromomethane	11/29/1995	74839	4.03E+00	0.041	1.65E+01	1300	U	1.92E-03
041M12020	Carbon disulfide	11/29/1995	75150		0.041		1300	U	
041M12020	Carbon tetrachloride	11/29/1995	56235	7.73E+00	0.041	3.17E+01	1300	U	1.00E-03
041M12020	Chlorobenzene	11/29/1995	108907	5.59E+00	0.041	2.29E+01	1300	U	1.38E-03
041M12020	Chloroethane	11/29/1995	75003		0.041		1300	U	
041M12020	Chloroform	11/29/1995	67663	5.59E+00	0.041	2.29E+01	1300	U	1.38E-03
041M12020	Chloromethane	11/29/1995	74873	2.12E+00	0.041	8.70E+00	1300	U	3.65E-03
041M12020	cis-1,3-Dichloropropene	11/29/1995	10061015		0.041		1300	U	
041M12020	Dibromochloromethane	11/29/1995	124481		0.041		1300	U	
041M12020	Ethylbenzene	11/29/1995	100414	9.64E+00	0.041	3.95E+01	1300	U	8.03E-04
041M12020	Methylene chloride	11/29/1995	75092	3.73E+00	0.041	1.53E+01	1300	J	2.07E-03
041M12020	Styrene	11/29/1995	100425	9.18E+00	0.041	3.76E+01	1300	U	8.43E-04
041M12020	Tetrachloroethene	11/29/1995	127184	8.83E+00	0.041	3.62E+01	1300	U	8.76E-04
041M12020	Toluene	11/29/1995	108883	8.05E+00	0.041	3.30E+01	1300	U	9.61E-04
041M12020	trans-1,3-Dichloropropene	11/29/1995	10061026		0.041		1300	U	
041M12020	Trichloroethene	11/29/1995	79016	6.65E+00	0.041	2.73E+01	1300	U	1.16E-03
041M12020	Vinyl chloride	11/29/1995	75014		0.041		385	U	
041M12020	Xylene (Total)	11/29/1995	1330207	9.70E+00	0.041	3.98E+01	1300	U	7.98E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 10 Phase: 2 Wetland: 13 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M13010	1,1,1-Trichloroethane	11/27/1995	71556	6.50E+00	0.0138	8.98E+00	7	U	5.65E-05
041M13010	1,1,2,2-Tetrachloroethane	11/27/1995	79345	8.13E+00	0.0138	1.12E+01	7	U	4.52E-05
041M13010	1,1,2-Trichloroethane	11/27/1995	79005	6.24E+00	0.0138	8.61E+00	7	U	5.89E-05
041M13010	1,1-Dichloroethane	11/27/1995	75343		0.0138		7	U	
041M13010	1,1-Dichloroethene	11/27/1995	75354	4.65E+00	0.0138	6.42E+00	7	U	7.91E-05
041M13010	1,2-Dichloroethane	11/27/1995	107062	4.43E+00	0.0138	6.11E+00	7	U	8.30E-05
041M13010	1,2-Dichloroethene (total)	11/27/1995	540590	4.61E+00	0.0138	6.37E+00	7	U	7.97E-05
041M13010	1,2-Dichloropropane	11/27/1995	78875	5.26E+00	0.0138	7.27E+00	7	U	6.98E-05
041M13010	2-Butanone (MEK)	11/27/1995	78933	2.93E+00	0.0138	4.04E+00	7	U	1.26E-04
041M13010	2-Hexanone	11/27/1995	591786	4.43E+00	0.0138	6.11E+00	7	U	8.30E-05
041M13010	4-Methyl-2-Pentanone (MIBK)	11/27/1995	108101	4.38E+00	0.0138	6.05E+00	7	U	8.39E-05
041M13010	Acetone	11/27/1995	67641	1.34E+01	0.0138	1.85E+01	11.5	U	4.51E-05
041M13010	Benzene	11/27/1995	71432	6.46E+00	0.0138	8.92E+00	7	U	5.69E-05
041M13010	Bromodichloromethane	11/27/1995	75274		0.0138		7	U	
041M13010	Bromoform	11/27/1995	75252	1.22E+01	0.0138	1.68E+01	7	U	3.02E-05
041M13010	Bromomethane	11/27/1995	74839	4.03E+00	0.0138	5.56E+00	7	U	9.12E-05
041M13010	Carbon disulfide	11/27/1995	75150		0.0138		7	U	
041M13010	Carbon tetrachloride	11/27/1995	56235	7.73E+00	0.0138	1.07E+01	7	U	4.75E-05
041M13010	Chlorobenzene	11/27/1995	108907	5.59E+00	0.0138	7.71E+00	7	U	6.58E-05
041M13010	Chloroethane	11/27/1995	75003		0.0138		7	U	
041M13010	Chloroform	11/27/1995	67663	5.59E+00	0.0138	7.71E+00	7	U	6.58E-05
041M13010	Chloromethane	11/27/1995	74873	2.12E+00	0.0138	2.93E+00	7	U	1.73E-04
041M13010	cis-1,3-Dichloropropene	11/27/1995	10061015		0.0138		7	U	
041M13010	Dibromochloromethane	11/27/1995	124481		0.0138		7	U	
041M13010	Ethylbenzene	11/27/1995	100414	9.64E+00	0.0138	1.33E+01	7	U	3.81E-05
041M13010	Methylene chloride	11/27/1995	75092	3.73E+00	0.0138	5.15E+00	8	U	1.13E-04
041M13010	Styrene	11/27/1995	100425	9.18E+00	0.0138	1.27E+01	7	U	4.01E-05
041M13010	Tetrachloroethene	11/27/1995	127184	8.83E+00	0.0138	1.22E+01	7	U	4.16E-05
041M13010	Toluene	11/27/1995	108883	8.05E+00	0.0138	1.11E+01	7	U	4.57E-05
041M13010	trans-1,3-Dichloropropene	11/27/1995	10061026		0.0138		7	U	
041M13010	Trichloroethene	11/27/1995	79016	6.65E+00	0.0138	9.18E+00	7	U	5.53E-05
041M13010	Vinyl chloride	11/27/1995	75014		0.0138		7	U	
041M13010	Xylene (Total)	11/27/1995	1330207	9.70E+00	0.0138	1.34E+01	7	U	3.79E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 11 Phase: 2 Wetland: 15 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M15020	1,1,1-Trichloroethane	12/6/1995	71556	6.50E+00	0.149	9.69E+01	38.5	U	2.67E-06
041M15020	1,1,2,2-Tetrachloroethane	12/6/1995	79345	8.13E+00	0.149	1.21E+02	38.5	U	2.13E-06
041M15020	1,1,2-Trichloroethane	12/6/1995	79005	6.24E+00	0.149	9.30E+01	38.5	U	2.78E-06
041M15020	1,1-Dichloroethane	12/6/1995	75343		0.149		38.5	U	
041M15020	1,1-Dichloroethene	12/6/1995	75354	4.65E+00	0.149	6.93E+01	38.5	U	3.73E-06
041M15020	1,2-Dichloroethane	12/6/1995	107062	4.43E+00	0.149	6.60E+01	38.5	U	3.92E-06
041M15020	1,2-Dichloroethene (total)	12/6/1995	540590	4.61E+00	0.149	6.87E+01	38.5	U	3.76E-06
041M15020	1,2-Dichloropropane	12/6/1995	78875	5.26E+00	0.149	7.84E+01	38.5	U	3.29E-06
041M15020	2-Butanone (MEK)	12/6/1995	78933	2.93E+00	0.149	4.36E+01	38.5	U	5.92E-06
041M15020	2-Hexanone	12/6/1995	591786	4.43E+00	0.149	6.60E+01	38.5	U	3.92E-06
041M15020	4-Methyl-2-Pentanone (MIBK)	12/6/1995	108101	4.38E+00	0.149	6.53E+01	38.5	U	3.96E-06
041M15020	Acetone	12/6/1995	67641	1.34E+01	0.149	1.99E+02	130		4.37E-06
041M15020	Benzene	12/6/1995	71432	6.46E+00	0.149	9.63E+01	38.5	U	2.68E-06
041M15020	Bromodichloromethane	12/6/1995	75274		0.149		38.5	U	
041M15020	Bromoform	12/6/1995	75252	1.22E+01	0.149	1.82E+02	38.5	U	1.42E-06
041M15020	Bromomethane	12/6/1995	74839	4.03E+00	0.149	6.00E+01	38.5	U	4.30E-06
041M15020	Carbon disulfide	12/6/1995	75150		0.149		38.5	U	
041M15020	Carbon tetrachloride	12/6/1995	56235	7.73E+00	0.149	1.15E+02	38.5	U	2.24E-06
041M15020	Chlorobenzene	12/6/1995	108907	5.59E+00	0.149	8.32E+01	38.5	U	3.10E-06
041M15020	Chloroethane	12/6/1995	75003		0.149		38.5	U	
041M15020	Chloroform	12/6/1995	67663	5.59E+00	0.149	8.32E+01	38.5	U	3.10E-06
041M15020	Chloromethane	12/6/1995	74873	2.12E+00	0.149	3.16E+01	38.5	U	8.18E-06
041M15020	cis-1,3-Dichloropropene	12/6/1995	10061015		0.149		38.5	U	
041M15020	Dibromochloromethane	12/6/1995	124481		0.149		38.5	U	
041M15020	Ethylbenzene	12/6/1995	100414	9.64E+00	0.149	1.44E+02	38.5	U	1.80E-06
041M15020	Methylene chloride	12/6/1995	75092	3.73E+00	0.149	5.56E+01	34	J	4.11E-06
041M15020	Styrene	12/6/1995	100425	9.18E+00	0.149	1.37E+02	38.5	U	1.89E-06
041M15020	Tetrachloroethene	12/6/1995	127184	8.83E+00	0.149	1.32E+02	38.5	U	1.96E-06
041M15020	Toluene	12/6/1995	108883	8.05E+00	0.149	1.20E+02	38.5	U	2.15E-06
041M15020	trans-1,3-Dichloropropene	12/6/1995	10061026		0.149		38.5	U	
041M15020	Trichloroethene	12/6/1995	79016	6.65E+00	0.149	9.91E+01	38.5	U	2.61E-06
041M15020	Vinyl chloride	12/6/1995	75014		0.149		11.5	U	
041M15020	Xylene (Total)	12/6/1995	1330207	9.70E+00	0.149	1.44E+02	38.5	U	1.79E-06
041M15030	1,1,1-Trichloroethane	12/6/1995	71556	6.50E+00	0.112	7.29E+01	35.5	U	4.35E-06
041M15030	1,1,2,2-Tetrachloroethane	12/6/1995	79345	8.13E+00	0.112	9.11E+01	35.5	U	3.48E-06
041M15030	1,1,2-Trichloroethane	12/6/1995	79005	6.24E+00	0.112	6.99E+01	35.5	U	4.53E-06
041M15030	1,1-Dichloroethane	12/6/1995	75343		0.112		35.5	U	
041M15030	1,1-Dichloroethene	12/6/1995	75354	4.65E+00	0.112	5.21E+01	35.5	U	6.09E-06
041M15030	1,2-Dichloroethane	12/6/1995	107062	4.43E+00	0.112	4.96E+01	35.5	U	6.39E-06
041M15030	1,2-Dichloroethene (total)	12/6/1995	540590	4.61E+00	0.112	5.17E+01	35.5	U	6.14E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 11 Phase: 2 Wetland: 15 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M15030	1,2-Dichloropropane	12/6/1995	78875	5.26E+00	0.112	5.90E+01	35.5	U	5.38E-06
041M15030	2-Butanone (MEK)	12/6/1995	78933	2.93E+00	0.112	3.28E+01	350		9.53E-05
041M15030	2-Hexanone	12/6/1995	591786	4.43E+00	0.112	4.96E+01	35.5	U	6.39E-06
041M15030	4-Methyl-2-Pentanone (MIBK)	12/6/1995	108101	4.38E+00	0.112	4.91E+01	35.5	U	6.46E-06
041M15030	Acetone	12/6/1995	67641	1.34E+01	0.112	1.50E+02	1400		8.34E-05
041M15030	Benzene	12/6/1995	71432	6.46E+00	0.112	7.24E+01	35.5	U	4.38E-06
041M15030	Bromodichloromethane	12/6/1995	75274		0.112		35.5	U	
041M15030	Bromoform	12/6/1995	75252	1.22E+01	0.112	1.36E+02	35.5	U	2.32E-06
041M15030	Bromomethane	12/6/1995	74839	4.03E+00	0.112	4.51E+01	35.5	U	7.02E-06
041M15030	Carbon disulfide	12/6/1995	75150		0.112		35.5	U	
041M15030	Carbon tetrachloride	12/6/1995	56235	7.73E+00	0.112	8.66E+01	35.5	U	3.66E-06
041M15030	Chlorobenzene	12/6/1995	108907	5.59E+00	0.112	6.26E+01	35.5	U	5.07E-06
041M15030	Chloroethane	12/6/1995	75003		0.112		35.5	U	
041M15030	Chloroform	12/6/1995	67663	5.59E+00	0.112	6.26E+01	35.5	U	5.07E-06
041M15030	Chloromethane	12/6/1995	74873	2.12E+00	0.112	2.38E+01	35.5	U	1.33E-05
041M15030	cis-1,3-Dichloropropene	12/6/1995	10061015		0.112		35.5	U	
041M15030	Dibromochloromethane	12/6/1995	124481		0.112		35.5	U	
041M15030	Ethylbenzene	12/6/1995	100414	9.64E+00	0.112	1.08E+02	35.5	U	2.94E-06
041M15030	Methylene chloride	12/6/1995	75092	3.73E+00	0.112	4.18E+01	55	U	1.18E-05
041M15030	Styrene	12/6/1995	100425	9.18E+00	0.112	1.03E+02	35.5	U	3.08E-06
041M15030	Tetrachloroethene	12/6/1995	127184	8.83E+00	0.112	9.88E+01	35.5	U	3.21E-06
041M15030	Toluene	12/6/1995	108883	8.05E+00	0.112	9.01E+01	35.5	U	3.52E-06
041M15030	trans-1,3-Dichloropropene	12/6/1995	10061026		0.112		35.5	U	
041M15030	Trichloroethene	12/6/1995	79016	6.65E+00	0.112	7.45E+01	35.5	U	4.25E-06
041M15030	Vinyl chloride	12/6/1995	75014		0.112		10.5	U	
041M15030	Xylene (Total)	12/6/1995	1330207	9.70E+00	0.112	1.09E+02	35.5	U	2.92E-06
041M15040	1,1,1-Trichloroethane	12/6/1995	71556	6.50E+00	0.395	2.57E+02	21.5	U	2.12E-07
041M15040	1,1,2,2-Tetrachloroethane	12/6/1995	79345	8.13E+00	0.395	3.21E+02	21.5	U	1.69E-07
041M15040	1,1,2-Trichloroethane	12/6/1995	79005	6.24E+00	0.395	2.47E+02	21.5	U	2.21E-07
041M15040	1,1-Dichloroethane	12/6/1995	75343		0.395		21.5	U	
041M15040	1,1-Dichloroethene	12/6/1995	75354	4.65E+00	0.395	1.84E+02	21.5	U	2.96E-07
041M15040	1,2-Dichloroethane	12/6/1995	107062	4.43E+00	0.395	1.75E+02	21.5	U	3.11E-07
041M15040	1,2-Dichloroethene (total)	12/6/1995	540590	4.61E+00	0.395	1.82E+02	21.5	U	2.99E-07
041M15040	1,2-Dichloropropane	12/6/1995	78875	5.26E+00	0.395	2.08E+02	21.5	U	2.62E-07
041M15040	2-Butanone (MEK)	12/6/1995	78933	2.93E+00	0.395	1.16E+02	21.5	U	4.71E-07
041M15040	2-Hexanone	12/6/1995	591786	4.43E+00	0.395	1.75E+02	21.5	U	3.11E-07
041M15040	4-Methyl-2-Pentanone (MIBK)	12/6/1995	108101	4.38E+00	0.395	1.73E+02	21.5	U	3.14E-07
041M15040	Acetone	12/6/1995	67641	1.34E+01	0.395	5.29E+02	21.5	U	1.03E-07
041M15040	Benzene	12/6/1995	71432	6.46E+00	0.395	2.55E+02	21.5	U	2.13E-07
041M15040	Bromodichloromethane	12/6/1995	75274		0.395		21.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 11 Phase: 2 Wetland: 15 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M15040	Bromoform	12/6/1995	75252	1.22E+01	0.395	4.81E+02	21.5	U	1.13E-07
041M15040	Bromomethane	12/6/1995	74839	4.03E+00	0.395	1.59E+02	21.5	U	3.42E-07
041M15040	Carbon disulfide	12/6/1995	75150		0.395		21.5	U	
041M15040	Carbon tetrachloride	12/6/1995	56235	7.73E+00	0.395	3.05E+02	21.5	U	1.78E-07
041M15040	Chlorobenzene	12/6/1995	108907	5.59E+00	0.395	2.21E+02	21.5	U	2.47E-07
041M15040	Chloroethane	12/6/1995	75003		0.395		21.5	U	
041M15040	Chloroform	12/6/1995	67663	5.59E+00	0.395	2.21E+02	21.5	U	2.47E-07
041M15040	Chloromethane	12/6/1995	74873	2.12E+00	0.395	8.38E+01	21.5	U	6.50E-07
041M15040	cis-1,3-Dichloropropene	12/6/1995	10061015		0.395		21.5	U	
041M15040	Dibromochloromethane	12/6/1995	124481		0.395		21.5	U	
041M15040	Ethylbenzene	12/6/1995	100414	9.64E+00	0.395	3.81E+02	21.5	U	1.43E-07
041M15040	Methylene chloride	12/6/1995	75092	3.73E+00	0.395	1.47E+02	21.5	U	3.70E-07
041M15040	Styrene	12/6/1995	100425	9.18E+00	0.395	3.62E+02	21.5	U	1.50E-07
041M15040	Tetrachloroethene	12/6/1995	127184	8.83E+00	0.395	3.49E+02	21.5	U	1.56E-07
041M15040	Toluene	12/6/1995	108883	8.05E+00	0.395	3.18E+02	21.5	U	1.71E-07
041M15040	trans-1,3-Dichloropropene	12/6/1995	10061026		0.395		21.5	U	
041M15040	Trichloroethene	12/6/1995	79016	6.65E+00	0.395	2.63E+02	21.5	U	2.07E-07
041M15040	Vinyl chloride	12/6/1995	75014		0.395		6.5	U	
041M15040	Xylene (Total)	12/6/1995	1330207	9.70E+00	0.395	3.83E+02	21.5	U	1.42E-07

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 12 Phase: 2 Wetland: 16 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00160	1,1,1-Trichloroethane	6/29/1994	71556	6.50E+00	0.00144	9.37E-01	9.5	U	7.04E-03
001M00160	1,1,2,2-Tetrachloroethane	6/29/1994	79345	8.13E+00	0.00144	1.17E+00	9.5	U	5.63E-03
001M00160	1,1,2-Trichloroethane	6/29/1994	79005	6.24E+00	0.00144	8.99E-01	9.5	U	7.34E-03
001M00160	1,1-Dichloroethane	6/29/1994	75343		0.00144		9.5	U	
001M00160	1,1-Dichloroethene	6/29/1994	75354	4.65E+00	0.00144	6.69E-01	9.5	U	9.85E-03
001M00160	1,2-Dichloroethane	6/29/1994	107062	4.43E+00	0.00144	6.38E-01	9.5	U	1.03E-02
001M00160	1,2-Dichloroethene (total)	6/29/1994	540590	4.61E+00	0.00144	6.64E-01	9.5	U	9.93E-03
001M00160	1,2-Dichloropropane	6/29/1994	78875	5.26E+00	0.00144	7.58E-01	9.5	U	8.70E-03
001M00160	2-Butanone (MEK)	6/29/1994	78933	2.93E+00	0.00144	4.22E-01	9.5	U	1.56E-02
001M00160	2-Hexanone	6/29/1994	591786	4.43E+00	0.00144	6.38E-01	9.5	U	1.03E-02
001M00160	4-Methyl-2-Pentanone (MIBK)	6/29/1994	108101	4.38E+00	0.00144	6.31E-01	9.5	U	1.05E-02
001M00160	Acetone	6/29/1994	67641	1.34E+01	0.00144	1.93E+00	25	U	9.01E-03
001M00160	Benzene	6/29/1994	71432	6.46E+00	0.00144	9.30E-01	9.5	U	7.09E-03
001M00160	Bromodichloromethane	6/29/1994	75274		0.00144		9.5	U	
001M00160	Bromoform	6/29/1994	75252	1.22E+01	0.00144	1.75E+00	9.5	U	3.76E-03
001M00160	Bromomethane	6/29/1994	74839	4.03E+00	0.00144	5.80E-01	9.5	U	1.14E-02
001M00160	Carbon disulfide	6/29/1994	75150		0.00144		9.5	U	
001M00160	Carbon tetrachloride	6/29/1994	56235	7.73E+00	0.00144	1.11E+00	9.5	U	5.92E-03
001M00160	Chlorobenzene	6/29/1994	108907	5.59E+00	0.00144	8.04E-01	9.5	U	8.20E-03
001M00160	Chloroethane	6/29/1994	75003		0.00144		9.5	U	
001M00160	Chloroform	6/29/1994	67663	5.59E+00	0.00144	8.04E-01	9.5	U	8.20E-03
001M00160	Chloromethane	6/29/1994	74873	2.12E+00	0.00144	3.05E-01	9.5	U	2.16E-02
001M00160	cis-1,3-Dichloropropene	6/29/1994	10061015		0.00144		9.5	U	
001M00160	Dibromochloromethane	6/29/1994	124481		0.00144		9.5	U	
001M00160	Ethylbenzene	6/29/1994	100414	9.64E+00	0.00144	1.39E+00	9.5	U	4.75E-03
001M00160	Methylene chloride	6/29/1994	75092	3.73E+00	0.00144	5.37E-01	10	U	1.29E-02
001M00160	Styrene	6/29/1994	100425	9.18E+00	0.00144	1.32E+00	9.5	U	4.99E-03
001M00160	Tetrachloroethene	6/29/1994	127184	8.83E+00	0.00144	1.27E+00	9.5	U	5.19E-03
001M00160	Toluene	6/29/1994	108883	8.05E+00	0.00144	1.16E+00	9.5	U	5.69E-03
001M00160	trans-1,3-Dichloropropene	6/29/1994	10061026		0.00144		9.5	U	
001M00160	Trichloroethene	6/29/1994	79016	6.65E+00	0.00144	9.58E-01	9.5	U	6.89E-03
001M00160	Vinyl chloride	6/29/1994	75014		0.00144		9.5	U	
001M00160	Xylene (Total)	6/29/1994	1330207	9.70E+00	0.00144	1.40E+00	9.5	U	4.73E-03
041M16010	1,1,1-Trichloroethane	12/7/1995	71556	6.50E+00	0.00144	9.37E-01	6	U	4.45E-03
041M16010	1,1,2,2-Tetrachloroethane	12/7/1995	79345	8.13E+00	0.00144	1.17E+00	6	U	3.56E-03
041M16010	1,1,2-Trichloroethane	12/7/1995	79005	6.24E+00	0.00144	8.99E-01	6	U	4.64E-03
041M16010	1,1-Dichloroethane	12/7/1995	75343		0.00144		6	U	
041M16010	1,1-Dichloroethene	12/7/1995	75354	4.65E+00	0.00144	6.69E-01	6	U	6.22E-03
041M16010	1,2-Dichloroethane	12/7/1995	107062	4.43E+00	0.00144	6.38E-01	6	U	6.53E-03
041M16010	1,2-Dichloroethene (total)	12/7/1995	540590	4.61E+00	0.00144	6.64E-01	6	U	6.27E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 12 Phase: 2 Wetland: 16 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M16010	1,2-Dichloropropane	12/7/1995	78875	5.26E+00	0.00144	7.58E-01	6	U	5.50E-03
041M16010	2-Butanone (MEK)	12/7/1995	78933	2.93E+00	0.00144	4.22E-01	6	U	9.88E-03
041M16010	2-Hexanone	12/7/1995	591786	4.43E+00	0.00144	6.38E-01	6	U	6.53E-03
041M16010	4-Methyl-2-Pentanone (MIBK)	12/7/1995	108101	4.38E+00	0.00144	6.31E-01	6	U	6.60E-03
041M16010	Acetone	12/7/1995	67641	1.34E+01	0.00144	1.93E+00	6	UJ	2.16E-03
041M16010	Benzene	12/7/1995	71432	6.46E+00	0.00144	9.30E-01	6	U	4.48E-03
041M16010	Bromodichloromethane	12/7/1995	75274		0.00144		6	U	
041M16010	Bromoform	12/7/1995	75252	1.22E+01	0.00144	1.75E+00	6	U	2.37E-03
041M16010	Bromomethane	12/7/1995	74839	4.03E+00	0.00144	5.80E-01	6	U	7.18E-03
041M16010	Carbon disulfide	12/7/1995	75150		0.00144		6	U	
041M16010	Carbon tetrachloride	12/7/1995	56235	7.73E+00	0.00144	1.11E+00	6	U	3.74E-03
041M16010	Chlorobenzene	12/7/1995	108907	5.59E+00	0.00144	8.04E-01	6	U	5.18E-03
041M16010	Chloroethane	12/7/1995	75003		0.00144		6	U	
041M16010	Chloroform	12/7/1995	67663	5.59E+00	0.00144	8.04E-01	6	U	5.18E-03
041M16010	Chloromethane	12/7/1995	74873	2.12E+00	0.00144	3.05E-01	6	U	1.36E-02
041M16010	cis-1 3-Dichloropropene	12/7/1995	10061015		0.00144		6	U	
041M16010	Dibromochloromethane	12/7/1995	124481		0.00144		6	U	
041M16010	Ethylbenzene	12/7/1995	100414	9.64E+00	0.00144	1.39E+00	6	U	3.00E-03
041M16010	Methylene chloride	12/7/1995	75092	3.73E+00	0.00144	5.37E-01	6	U	7.76E-03
041M16010	Styrene	12/7/1995	100425	9.18E+00	0.00144	1.32E+00	6	U	3.15E-03
041M16010	Tetrachloroethene	12/7/1995	127184	8.83E+00	0.00144	1.27E+00	6	U	3.28E-03
041M16010	Toluene	12/7/1995	108883	8.05E+00	0.00144	1.16E+00	6	U	3.60E-03
041M16010	trans-1,3-Dichloropropene	12/7/1995	10061026		0.00144		6	U	
041M16010	Trichloroethene	12/7/1995	79016	6.65E+00	0.00144	9.58E-01	6	U	4.35E-03
041M16010	Vinyl chloride	12/7/1995	75014		0.00144		2	U	
041M16010	Xylene (Total)	12/7/1995	1330207	9.70E+00	0.00144	1.40E+00	6	U	2.98E-03
041M16020	1,1,1-Trichloroethane	12/7/1995	71556	6.50E+00	0.0126	8.20E+00	8.5	U	8.23E-05
041M16020	1,1,2,2-Tetrachloroethane	12/7/1995	79345	8.13E+00	0.0126	1.02E+01	8.5	U	6.58E-05
041M16020	1,1,2-Trichloroethane	12/7/1995	79005	6.24E+00	0.0126	7.87E+00	8.5	U	8.58E-05
041M16020	1,1-Dichloroethane	12/7/1995	75343		0.0126		8.5	U	
041M16020	1,1-Dichloroethene	12/7/1995	75354	4.65E+00	0.0126	5.86E+00	8.5	U	1.15E-04
041M16020	1,2-Dichloroethane	12/7/1995	107062	4.43E+00	0.0126	5.58E+00	8.5	U	1.21E-04
041M16020	1,2-Dichloroethene (total)	12/7/1995	540590	4.61E+00	0.0126	5.81E+00	8.5	U	1.16E-04
041M16020	1,2-Dichloropropane	12/7/1995	78875	5.26E+00	0.0126	6.63E+00	8.5	U	1.02E-04
041M16020	2-Butanone (MEK)	12/7/1995	78933	2.93E+00	0.0126	3.69E+00	8.5	U	1.83E-04
041M16020	2-Hexanone	12/7/1995	591786	4.43E+00	0.0126	5.58E+00	8.5	U	1.21E-04
041M16020	4-Methyl-2-Pentanone (MIBK)	12/7/1995	108101	4.38E+00	0.0126	5.52E+00	8.5	U	1.22E-04
041M16020	Acetone	12/7/1995	67641	1.34E+01	0.0126	1.69E+01	65	U	3.06E-04
041M16020	Benzene	12/7/1995	71432	6.46E+00	0.0126	8.14E+00	8.5	U	8.29E-05
041M16020	Bromodichloromethane	12/7/1995	75274		0.0126		8.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 12 Phase: 2 Wetland: 16 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M16020	Bromoform	12/7/1995	75252	1.22E+01	0.0126	1.54E+01	8.5	U	4.39E-05
041M16020	Bromomethane	12/7/1995	74839	4.03E+00	0.0126	5.08E+00	8.5	U	1.33E-04
041M16020	Carbon disulfide	12/7/1995	75150		0.0126		8.5	U	
041M16020	Carbon tetrachloride	12/7/1995	56235	7.73E+00	0.0126	9.74E+00	8.5	U	6.92E-05
041M16020	Chlorobenzene	12/7/1995	108907	5.59E+00	0.0126	7.04E+00	8.5	U	9.59E-05
041M16020	Chloroethane	12/7/1995	75003		0.0126		8.5	U	
041M16020	Chloroform	12/7/1995	67663	5.59E+00	0.0126	7.04E+00	8.5	U	9.58E-05
041M16020	Chloromethane	12/7/1995	74873	2.12E+00	0.0126	2.67E+00	8.5	U	2.52E-04
041M16020	cis-1,3-Dichloropropene	12/7/1995	10061015		0.0126		8.5	U	
041M16020	Dibromochloromethane	12/7/1995	124481		0.0126		8.5	U	
041M16020	Ethylbenzene	12/7/1995	100414	9.64E+00	0.0126	1.21E+01	8.5	U	5.56E-05
041M16020	Methylene chloride	12/7/1995	75092	3.73E+00	0.0126	4.70E+00	27.5	U	4.65E-04
041M16020	Styrene	12/7/1995	100425	9.18E+00	0.0126	1.16E+01	8.5	U	5.83E-05
041M16020	Tetrachloroethene	12/7/1995	127184	8.83E+00	0.0126	1.11E+01	8.5	U	6.07E-05
041M16020	Toluene	12/7/1995	108883	8.05E+00	0.0126	1.01E+01	8.5	U	6.65E-05
041M16020	trans-1,3-Dichloropropene	12/7/1995	10061026		0.0126		8.5	U	
041M16020	Trichloroethene	12/7/1995	79016	6.65E+00	0.0126	8.38E+00	8.5	U	8.05E-05
041M16020	Vinyl chloride	12/7/1995	75014		0.0126		2.5	U	
041M16020	Xylene (Total)	12/7/1995	1330207	9.70E+00	0.0126	1.22E+01	8.5	U	5.52E-05
041M16030	1,1,1-Trichloroethane	12/7/1995	71556	6.50E+00	0.0553	3.60E+01	22.5	U	1.13E-05
041M16030	1,1,2,2-Tetrachloroethane	12/7/1995	79345	8.13E+00	0.0553	4.50E+01	22.5	U	9.04E-06
041M16030	1,1,2-Trichloroethane	12/7/1995	79005	6.24E+00	0.0553	3.45E+01	22.5	U	1.18E-05
041M16030	1,1-Dichloroethane	12/7/1995	75343		0.0553		22.5	U	
041M16030	1,1-Dichloroethene	12/7/1995	75354	4.65E+00	0.0553	2.57E+01	22.5	U	1.58E-05
041M16030	1,2-Dichloroethane	12/7/1995	107062	4.43E+00	0.0553	2.45E+01	22.5	U	1.66E-05
041M16030	1,2-Dichloroethene (total)	12/7/1995	540590	4.61E+00	0.0553	2.55E+01	22.5	U	1.60E-05
041M16030	1,2-Dichloropropane	12/7/1995	78875	5.26E+00	0.0553	2.91E+01	22.5	U	1.40E-05
041M16030	2-Butanone (MEK)	12/7/1995	78933	2.93E+00	0.0553	1.62E+01	22.5	U	2.51E-05
041M16030	2-Hexanone	12/7/1995	591786	4.43E+00	0.0553	2.45E+01	22.5	U	1.66E-05
041M16030	4-Methyl-2-Pentanone (MIBK)	12/7/1995	108101	4.38E+00	0.0553	2.42E+01	22.5	U	1.68E-05
041M16030	Acetone	12/7/1995	67641	1.34E+01	0.0553	7.40E+01	165	U	4.03E-05
041M16030	Benzene	12/7/1995	71432	6.46E+00	0.0553	3.57E+01	22.5	U	1.14E-05
041M16030	Bromodichloromethane	12/7/1995	75274		0.0553		22.5	U	
041M16030	Bromoform	12/7/1995	75252	1.22E+01	0.0553	6.74E+01	22.5	U	6.04E-06
041M16030	Bromomethane	12/7/1995	74839	4.03E+00	0.0553	2.23E+01	22.5	U	1.83E-05
041M16030	Carbon disulfide	12/7/1995	75150		0.0553		22.5	U	
041M16030	Carbon tetrachloride	12/7/1995	56235	7.73E+00	0.0553	4.28E+01	22.5	U	9.51E-06
041M16030	Chlorobenzene	12/7/1995	108907	5.59E+00	0.0553	3.09E+01	22.5	U	1.32E-05
041M16030	Chloroethane	12/7/1995	75003		0.0553		22.5	U	
041M16030	Chloroform	12/7/1995	67663	5.59E+00	0.0553	3.09E+01	22.5	U	1.32E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 12 Phase: 2 Wetland: 16 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M16030	Chloromethane	12/7/1995	74873	2.12E+00	0.0553	1.17E+01	22.5	U	3.47E-05
041M16030	cis-1,3-Dichloropropene	12/7/1995	10061015		0.0553		22.5	U	
041M16030	Dibromochloromethane	12/7/1995	124481		0.0553		22.5	U	
041M16030	Ethylbenzene	12/7/1995	100414	9.64E+00	0.0553	5.33E+01	22.5	U	7.64E-06
041M16030	Methylene chloride	12/7/1995	75092	3.73E+00	0.0553	2.06E+01	110		9.65E-05
041M16030	Styrene	12/7/1995	100425	9.18E+00	0.0553	5.07E+01	22.5	U	8.02E-06
041M16030	Tetrachloroethene	12/7/1995	127184	8.83E+00	0.0553	4.88E+01	22.5	U	8.34E-06
041M16030	Toluene	12/7/1995	108883	8.05E+00	0.0553	4.45E+01	22.5	U	9.14E-06
041M16030	trans-1,3-Dichloropropene	12/7/1995	10061026		0.0553		22.5	U	
041M16030	Trichloroethene	12/7/1995	79016	6.65E+00	0.0553	3.68E+01	22.5	U	1.11E-05
041M16030	Vinyl chloride	12/7/1995	75014		0.0553		7	U	
041M16030	Xylene (Total)	12/7/1995	1330207	9.70E+00	0.0553	5.36E+01	22.5	U	7.59E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 13 Phase: 2 Wetland: 17 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M17010	1,1,1-Trichloroethane	1/15/1996	71556	6.50E+00	0.00413	2.69E+00	6.5	U	5.86E-04
041M17010	1,1,2,2-Tetrachloroethane	1/15/1996	79345	8.13E+00	0.00413	3.36E+00	6.5	U	4.68E-04
041M17010	1,1,2-Trichloroethane	1/15/1996	79005	6.24E+00	0.00413	2.58E+00	6.5	U	6.10E-04
041M17010	1,1-Dichloroethane	1/15/1996	75343		0.00413		6.5	U	
041M17010	1,1-Dichloroethene	1/15/1996	75354	4.65E+00	0.00413	1.92E+00	6.5	U	8.20E-04
041M17010	1,2-Dichloroethane	1/15/1996	107062	4.43E+00	0.00413	1.83E+00	6.5	U	8.60E-04
041M17010	1,2-Dichloroethene (total)	1/15/1996	540590	4.61E+00	0.00413	1.90E+00	6.5	U	8.26E-04
041M17010	1,2-Dichloropropane	1/15/1996	78875	5.26E+00	0.00413	2.17E+00	6.5	U	7.24E-04
041M17010	2-Butanone (MEK)	1/15/1996	78933	2.93E+00	0.00413	1.21E+00	6.5	U	1.30E-03
041M17010	2-Hexanone	1/15/1996	591786	4.43E+00	0.00413	1.83E+00	6.5	U	8.60E-04
041M17010	4-Methyl-2-Pentanone (MIBK)	1/15/1996	108101	4.38E+00	0.00413	1.81E+00	6.5	U	8.69E-04
041M17010	Acetone	1/15/1996	67641	1.34E+01	0.00413	5.53E+00	6.5	U	2.85E-04
041M17010	Benzene	1/15/1996	71432	6.46E+00	0.00413	2.67E+00	6.5	U	5.90E-04
041M17010	Bromodichloromethane	1/15/1996	75274		0.00413		6.5	U	
041M17010	Bromoform	1/15/1996	75252	1.22E+01	0.00413	5.03E+00	6.5	U	3.13E-04
041M17010	Bromomethane	1/15/1996	74839	4.03E+00	0.00413	1.66E+00	6.5	U	9.46E-04
041M17010	Carbon disulfide	1/15/1996	75150		0.00413		6.5	U	
041M17010	Carbon tetrachloride	1/15/1996	56235	7.73E+00	0.00413	3.19E+00	6.5	U	4.93E-04
041M17010	Chlorobenzene	1/15/1996	108907	5.59E+00	0.00413	2.31E+00	2	J	2.10E-04
041M17010	Chloroethane	1/15/1996	75003		0.00413		6.5	U	
041M17010	Chloroform	1/15/1996	67663	5.59E+00	0.00413	2.31E+00	6.5	U	6.82E-04
041M17010	Chloromethane	1/15/1996	74873	2.12E+00	0.00413	8.76E-01	6.5	U	1.80E-03
041M17010	cis-1,3-Dichloropropene	1/15/1996	10061015		0.00413		6.5	U	
041M17010	Dibromochloromethane	1/15/1996	124481		0.00413		6.5	U	
041M17010	Ethylbenzene	1/15/1996	100414	9.64E+00	0.00413	3.98E+00	6.5	U	3.95E-04
041M17010	Methylene chloride	1/15/1996	75092	3.73E+00	0.00413	1.54E+00	6.5	U	1.02E-03
041M17010	Styrene	1/15/1996	100425	9.18E+00	0.00413	3.79E+00	6.5	U	4.15E-04
041M17010	Tetrachloroethene	1/15/1996	127184	8.83E+00	0.00413	3.64E+00	6.5	U	4.32E-04
041M17010	Toluene	1/15/1996	108883	8.05E+00	0.00413	3.32E+00	6.5	U	4.74E-04
041M17010	trans-1,3-Dichloropropene	1/15/1996	10061026		0.00413		6.5	U	
041M17010	Trichloroethene	1/15/1996	79016	6.65E+00	0.00413	2.75E+00	6.5	U	5.73E-04
041M17010	Vinyl chloride	1/15/1996	75014		0.00413		2	U	
041M17010	Xylene (Total)	1/15/1996	1330207	9.70E+00	0.00413	4.00E+00	6.5	U	3.93E-04
041M17020	1,1,1-Trichloroethane	1/15/1996	71556	6.50E+00	0.00167	1.09E+00	6	U	3.31E-03
041M17020	1,1,2,2-Tetrachloroethane	1/15/1996	79345	8.13E+00	0.00167	1.36E+00	6	U	2.64E-03
041M17020	1,1,2-Trichloroethane	1/15/1996	79005	6.24E+00	0.00167	1.04E+00	6	U	3.45E-03
041M17020	1,1-Dichloroethane	1/15/1996	75343		0.00167		6	U	
041M17020	1,1-Dichloroethene	1/15/1996	75354	4.65E+00	0.00167	7.76E-01	6	U	4.63E-03
041M17020	1,2-Dichloroethane	1/15/1996	107062	4.43E+00	0.00167	7.40E-01	6	U	4.86E-03
041M17020	1,2-Dichloroethene (total)	1/15/1996	540590	4.61E+00	0.00167	7.70E-01	6	U	4.66E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 13 Phase: 2 Wetland: 17 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M17020	1,2-Dichloropropane	1/15/1996	78875	5.26E+00	0.00167	8.79E-01	6	U	4.09E-03
041M17020	2-Butanone (MEK)	1/15/1996	78933	2.93E+00	0.00167	4.89E-01	6	U	7.35E-03
041M17020	2-Hexanone	1/15/1996	591786	4.43E+00	0.00167	7.40E-01	6	U	4.86E-03
041M17020	4-Methyl-2-Pentanone (MIBK)	1/15/1996	108101	4.38E+00	0.00167	7.32E-01	6	U	4.91E-03
041M17020	Acetone	1/15/1996	67641	1.34E+01	0.00167	2.24E+00	6	U	1.61E-03
041M17020	Benzene	1/15/1996	71432	6.46E+00	0.00167	1.08E+00	6	U	3.33E-03
041M17020	Bromodichloromethane	1/15/1996	75274		0.00167		6	U	
041M17020	Bromoform	1/15/1996	75252	1.22E+01	0.00167	2.03E+00	6	U	1.77E-03
041M17020	Bromomethane	1/15/1996	74839	4.03E+00	0.00167	6.73E-01	6	U	5.34E-03
041M17020	Carbon disulfide	1/15/1996	75150		0.00167		6	U	
041M17020	Carbon tetrachloride	1/15/1996	56235	7.73E+00	0.00167	1.29E+00	6	U	2.78E-03
041M17020	Chlorobenzene	1/15/1996	108907	5.59E+00	0.00167	9.33E-01	6	U	3.85E-03
041M17020	Chloroethane	1/15/1996	75003		0.00167		6	U	
041M17020	Chloroform	1/15/1996	67663	5.59E+00	0.00167	9.33E-01	6	U	3.85E-03
041M17020	Chloromethane	1/15/1996	74873	2.12E+00	0.00167	3.54E-01	6	U	1.01E-02
041M17020	cis-1,3-Dichloropropene	1/15/1996	10061015		0.00167		6	U	
041M17020	Dibromochloromethane	1/15/1996	124481		0.00167		6	U	
041M17020	Ethylbenzene	1/15/1996	100414	9.64E+00	0.00167	1.61E+00	6	U	2.23E-03
041M17020	Methylene chloride	1/15/1996	75092	3.73E+00	0.00167	6.23E-01	6	U	5.77E-03
041M17020	Styrene	1/15/1996	100425	9.18E+00	0.00167	1.53E+00	6	U	2.34E-03
041M17020	Tetrachloroethene	1/15/1996	127184	8.83E+00	0.00167	1.47E+00	6	U	2.44E-03
041M17020	Toluene	1/15/1996	108883	8.05E+00	0.00167	1.34E+00	6	U	2.67E-03
041M17020	trans-1,3-Dichloropropene	1/15/1996	10061026		0.00167		6	U	
041M17020	Trichloroethene	1/15/1996	79016	6.65E+00	0.00167	1.11E+00	6	U	3.23E-03
041M17020	Vinyl chloride	1/15/1996	75014		0.00167		2	U	
041M17020	Xylene (Total)	1/15/1996	1330207	9.70E+00	0.00167	1.62E+00	6	U	2.22E-03
041M17030	1,1,1-Trichloroethane	1/15/1996	71556	6.50E+00	0.00223	1.45E+00	6.5	U	2.01E-03
041M17030	1,1,2,2-Tetrachloroethane	1/15/1996	79345	8.13E+00	0.00223	1.81E+00	6.5	U	1.61E-03
041M17030	1,1,2-Trichloroethane	1/15/1996	79005	6.24E+00	0.00223	1.39E+00	6.5	U	2.09E-03
041M17030	1,1-Dichloroethane	1/15/1996	75343		0.00223		6.5	U	
041M17030	1,1-Dichloroethene	1/15/1996	75354	4.65E+00	0.00223	1.04E+00	6.5	U	2.81E-03
041M17030	1,2-Dichloroethane	1/15/1996	107062	4.43E+00	0.00223	9.88E-01	6.5	U	2.95E-03
041M17030	1,2-Dichloroethene (total)	1/15/1996	540590	4.61E+00	0.00223	1.03E+00	6.5	U	2.83E-03
041M17030	1,2-Dichloropropane	1/15/1996	78875	5.26E+00	0.00223	1.17E+00	6.5	U	2.48E-03
041M17030	2-Butanone (MEK)	1/15/1996	78933	2.93E+00	0.00223	6.53E-01	6.5	U	4.46E-03
041M17030	2-Hexanone	1/15/1996	591786	4.43E+00	0.00223	9.88E-01	6.5	U	2.95E-03
041M17030	4-Methyl-2-Pentanone (MIBK)	1/15/1996	108101	4.38E+00	0.00223	9.77E-01	6.5	U	2.98E-03
041M17030	Acetone	1/15/1996	67641	1.34E+01	0.00223	2.98E+00	7	U	1.05E-03
041M17030	Benzene	1/15/1996	71432	6.46E+00	0.00223	1.44E+00	6.5	U	2.02E-03
041M17030	Bromodichloromethane	1/15/1996	75274		0.00223		6.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 13 Phase: 2 Wetland: 17 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M17030	Bromoform	1/15/1996	75252	1.22E+01	0.00223	2.72E+00	6.5	U	1.07E-03
041M17030	Bromomethane	1/15/1996	74839	4.03E+00	0.00223	8.98E-01	6.5	U	3.24E-03
041M17030	Carbon disulfide	1/15/1996	75150		0.00223		6.5	U	
041M17030	Carbon tetrachloride	1/15/1996	56235	7.73E+00	0.00223	1.72E+00	6.5	U	1.69E-03
041M17030	Chlorobenzene	1/15/1996	108907	5.59E+00	0.00223	1.25E+00	6.5	U	2.34E-03
041M17030	Chloroethane	1/15/1996	75003		0.00223		6.5	U	
041M17030	Chloroform	1/15/1996	67663	5.59E+00	0.00223	1.25E+00	6.5	U	2.34E-03
041M17030	Chloromethane	1/15/1996	74873	2.12E+00	0.00223	4.73E-01	6.5	U	6.16E-03
041M17030	cis-1,3-Dichloropropene	1/15/1996	10061015		0.00223		6.5	U	
041M17030	Dibromochloromethane	1/15/1996	124481		0.00223		6.5	U	
041M17030	Ethylbenzene	1/15/1996	100414	9.64E+00	0.00223	2.15E+00	6.5	U	1.36E-03
041M17030	Methylene chloride	1/15/1996	75092	3.73E+00	0.00223	8.31E-01	6.5	U	3.51E-03
041M17030	Styrene	1/15/1996	100425	9.18E+00	0.00223	2.05E+00	6.5	U	1.42E-03
041M17030	Tetrachloroethene	1/15/1996	127184	8.83E+00	0.00223	1.97E+00	6.5	U	1.48E-03
041M17030	Toluene	1/15/1996	108883	8.05E+00	0.00223	1.79E+00	6.5	U	1.62E-03
041M17030	trans-1,3-Dichloropropene	1/15/1996	10061026		0.00223		6.5	U	
041M17030	Trichloroethene	1/15/1996	79016	6.65E+00	0.00223	1.48E+00	6.5	U	1.96E-03
041M17030	Vinyl chloride	1/15/1996	75014		0.00223		2	U	
041M17030	Xylene (Total)	1/15/1996	1330207	9.70E+00	0.00223	2.16E+00	6.5	U	1.35E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 14 Phase: 2 Wetland: 18A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
001M00180	1,1,1-Trichloroethane	6/29/1994	71556	6.50E+00	0.119	7.74E+01	55	U	5.97E-06
001M00180	1,1,2,2-Tetrachloroethane	6/29/1994	79345	8.13E+00	0.119	9.68E+01	55	U	4.77E-06
001M00180	1,1,2-Trichloroethane	6/29/1994	79005	6.24E+00	0.119	7.43E+01	55	U	6.22E-06
001M00180	1,1-Dichloroethane	6/29/1994	75343		0.119		55	U	
001M00180	1,1-Dichloroethene	6/29/1994	75354	4.65E+00	0.119	5.53E+01	55	U	8.35E-06
001M00180	1,2-Dichloroethane	6/29/1994	107062	4.43E+00	0.119	5.27E+01	55	U	8.77E-06
001M00180	1,2-Dichloroethene (total)	6/29/1994	540590	4.61E+00	0.119	5.49E+01	55	U	8.42E-06
001M00180	1,2-Dichloropropane	6/29/1994	78875	5.26E+00	0.119	6.26E+01	55	U	7.38E-06
001M00180	2-Butanone (MEK)	6/29/1994	78933	2.93E+00	0.119	3.48E+01	55	U	1.33E-05
001M00180	2-Hexanone	6/29/1994	591786	4.43E+00	0.119	5.27E+01	55	U	8.77E-06
001M00180	4-Methyl-2-Pentanone (MIBK)	6/29/1994	108101	4.38E+00	0.119	5.22E+01	55	U	8.86E-06
001M00180	Acetone	6/29/1994	67641	1.34E+01	0.119	1.59E+02	50	U	2.64E-06
001M00180	Benzene	6/29/1994	71432	6.46E+00	0.119	7.69E+01	55	U	6.01E-06
001M00180	Bromodichloromethane	6/29/1994	75274		0.119		55	U	
001M00180	Bromoform	6/29/1994	75252	1.22E+01	0.119	1.45E+02	55	U	3.19E-06
001M00180	Bromomethane	6/29/1994	74839	4.03E+00	0.119	4.79E+01	55	U	9.64E-06
001M00180	Carbon disulfide	6/29/1994	75150		0.119		55	U	
001M00180	Carbon tetrachloride	6/29/1994	56235	7.73E+00	0.119	9.20E+01	55	U	5.02E-06
001M00180	Chlorobenzene	6/29/1994	108907	5.59E+00	0.119	6.65E+01	55	U	6.95E-06
001M00180	Chloroethane	6/29/1994	75003		0.119		55	U	
001M00180	Chloroform	6/29/1994	67663	5.59E+00	0.119	6.65E+01	55	U	6.95E-06
001M00180	Chloromethane	6/29/1994	74873	2.12E+00	0.119	2.52E+01	55	U	1.83E-05
001M00180	cis-1,3-Dichloropropene	6/29/1994	10061015		0.119		55	U	
001M00180	Dibromochloromethane	6/29/1994	124481		0.119		55	U	
001M00180	Ethylbenzene	6/29/1994	100414	9.64E+00	0.119	1.15E+02	55	U	4.03E-06
001M00180	Methylene chloride	6/29/1994	75092	3.73E+00	0.119	4.44E+01	50	U	9.47E-06
001M00180	Styrene	6/29/1994	100425	9.18E+00	0.119	1.09E+02	55	U	4.23E-06
001M00180	Tetrachloroethene	6/29/1994	127184	8.83E+00	0.119	1.05E+02	55	U	4.40E-06
001M00180	Toluene	6/29/1994	108883	8.05E+00	0.119	9.58E+01	55	U	4.83E-06
001M00180	trans-1,3-Dichloropropene	6/29/1994	10061026		0.119		55	U	
001M00180	Trichloroethene	6/29/1994	79016	6.65E+00	0.119	7.92E+01	55	U	5.84E-06
001M00180	Vinyl chloride	6/29/1994	75014		0.119		55	U	
001M00180	Xylene (Total)	6/29/1994	1330207	9.70E+00	0.119	1.15E+02	55	U	4.01E-06
041M18A2	1,1,1-Trichloroethane	12/15/1995	71556	6.50E+00	0.119	7.74E+01	70	U	7.60E-06
041M18A2	1,1,2,2-Tetrachloroethane	12/15/1995	79345	8.13E+00	0.119	9.68E+01	70	U	6.08E-06
041M18A2	1,1,2-Trichloroethane	12/15/1995	79005	6.24E+00	0.119	7.43E+01	70	U	7.92E-06
041M18A2	1,1-Dichloroethane	12/15/1995	75343		0.119		70	U	
041M18A2	1,1-Dichloroethene	12/15/1995	75354	4.65E+00	0.119	5.53E+01	70	U	1.06E-05
041M18A2	1,2-Dichloroethane	12/15/1995	107062	4.43E+00	0.119	5.27E+01	70	U	1.12E-05
041M18A2	1,2-Dichloroethene (total)	12/15/1995	540590	4.61E+00	0.119	5.49E+01	70	U	1.07E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 14 Phase: 2 Wetland: 18A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M18A2	1,2-Dichloropropane	12/15/1995	78875	5.26E+00	0.119	6.26E+01	70	U	9.39E-06
041M18A2	2-Butanone (MEK)	12/15/1995	78933	2.93E+00	0.119	3.48E+01	70	U	1.69E-05
041M18A2	2-Hexanone	12/15/1995	591786	4.43E+00	0.119	5.27E+01	70	U	1.12E-05
041M18A2	4-Methyl-2-Pentanone (MIBK)	12/15/1995	108101	4.38E+00	0.119	5.22E+01	70	U	1.13E-05
041M18A2	Acetone	12/15/1995	67641	1.34E+01	0.119	1.59E+02	750		3.96E-05
041M18A2	Benzene	12/15/1995	71432	6.46E+00	0.119	7.69E+01	34	J	3.72E-06
041M18A2	Bromodichloromethane	12/15/1995	75274		0.119		70	U	
041M18A2	Bromoform	12/15/1995	75252	1.22E+01	0.119	1.45E+02	70	U	4.06E-06
041M18A2	Bromomethane	12/15/1995	74839	4.03E+00	0.119	4.79E+01	70	U	1.23E-05
041M18A2	Carbon disulfide	12/15/1995	75150		0.119		70	U	
041M18A2	Carbon tetrachloride	12/15/1995	56235	7.73E+00	0.119	9.20E+01	70	U	6.39E-06
041M18A2	Chlorobenzene	12/15/1995	108907	5.59E+00	0.119	6.65E+01	430		5.44E-05
041M18A2	Chloroethane	12/15/1995	75003		0.119		70	U	
041M18A2	Chloroform	12/15/1995	67663	5.59E+00	0.119	6.65E+01	70	U	8.85E-06
041M18A2	Chloromethane	12/15/1995	74873	2.12E+00	0.119	2.52E+01	70	U	2.33E-05
041M18A2	cis-1,3-Dichloropropene	12/15/1995	10061015		0.119		70	U	
041M18A2	Dibromochloromethane	12/15/1995	124481		0.119		70	U	
041M18A2	Ethylbenzene	12/15/1995	100414	9.64E+00	0.119	1.15E+02	70	U	5.13E-06
041M18A2	Methylene chloride	12/15/1995	75092	3.73E+00	0.119	4.44E+01	750		1.42E-04
041M18A2	Styrene	12/15/1995	100425	9.18E+00	0.119	1.09E+02	70	U	5.39E-06
041M18A2	Tetrachloroethene	12/15/1995	127184	8.83E+00	0.119	1.05E+02	70	U	5.60E-06
041M18A2	Toluene	12/15/1995	108883	8.05E+00	0.119	9.58E+01	85	J	7.46E-06
041M18A2	trans-1,3-Dichloropropene	12/15/1995	10061026		0.119		70	U	
041M18A2	Trichloroethene	12/15/1995	79016	6.65E+00	0.119	7.92E+01	70	U	7.43E-06
041M18A2	Vinyl chloride	12/15/1995	75014		0.119		21.5	U	
041M18A2	Xylene (Total)	12/15/1995	1330207	9.70E+00	0.119	1.15E+02	70	U	5.10E-06
041M18A3	1,1,1-Trichloroethane	12/14/1995	71556	6.50E+00	0.343	2.23E+02	50	U	6.53E-07
041M18A3	1,1,2,2-Tetrachloroethane	12/14/1995	79345	8.13E+00	0.343	2.79E+02	50	UJ	5.22E-07
041M18A3	1,1,2-Trichloroethane	12/14/1995	79005	6.24E+00	0.343	2.14E+02	50	U	6.81E-07
041M18A3	1,1-Dichloroethane	12/14/1995	75343		0.343		50	U	
041M18A3	1,1-Dichloroethene	12/14/1995	75354	4.65E+00	0.343	1.59E+02	50	U	9.14E-07
041M18A3	1,2-Dichloroethane	12/14/1995	107062	4.43E+00	0.343	1.52E+02	50	U	9.60E-07
041M18A3	1,2-Dichloroethene (total)	12/14/1995	540590	4.61E+00	0.343	1.58E+02	50	U	9.21E-07
041M18A3	1,2-Dichloropropane	12/14/1995	78875	5.26E+00	0.343	1.81E+02	50	U	8.07E-07
041M18A3	2-Butanone (MEK)	12/14/1995	78933	2.93E+00	0.343	1.00E+02	120	J	3.48E-06
041M18A3	2-Hexanone	12/14/1995	591786	4.43E+00	0.343	1.52E+02	50	UJ	9.59E-07
041M18A3	4-Methyl-2-Pentanone (MIBK)	12/14/1995	108101	4.38E+00	0.343	1.50E+02	50	UJ	9.70E-07
041M18A3	Acetone	12/14/1995	67641	1.34E+01	0.343	4.59E+02	480	J	3.05E-06
041M18A3	Benzene	12/14/1995	71432	6.46E+00	0.343	2.22E+02	50	J	6.58E-07
041M18A3	Bromodichloromethane	12/14/1995	75274		0.343		50	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 14 Phase: 2 Wetland: 18A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M18A3	Bromoform	12/14/1995	75252	1.22E+01	0.343	4.18E+02	50	U	3.49E-07
041M18A3	Bromomethane	12/14/1995	74839	4.03E+00	0.343	1.38E+02	50	U	1.05E-06
041M18A3	Carbon disulfide	12/14/1995	75150		0.343		50	U	
041M18A3	Carbon tetrachloride	12/14/1995	56235	7.73E+00	0.343	2.65E+02	50	U	5.50E-07
041M18A3	Chlorobenzene	12/14/1995	108907	5.59E+00	0.343	1.92E+02	46	J	7.00E-07
041M18A3	Chloroethane	12/14/1995	75003		0.343		50	U	
041M18A3	Chloroform	12/14/1995	67663	5.59E+00	0.343	1.92E+02	50	U	7.61E-07
041M18A3	Chloromethane	12/14/1995	74873	2.12E+00	0.343	7.28E+01	50	U	2.00E-06
041M18A3	cis-1,3-Dichloropropene	12/14/1995	10061015		0.343		50	U	
041M18A3	Dibromochloromethane	12/14/1995	124481		0.343		50	U	
041M18A3	Ethylbenzene	12/14/1995	100414	9.64E+00	0.343	3.31E+02	50	UJ	4.41E-07
041M18A3	Methylene chloride	12/14/1995	75092	3.73E+00	0.343	1.28E+02	50	U	1.14E-06
041M18A3	Styrene	12/14/1995	100425	9.18E+00	0.343	3.15E+02	50	UJ	4.63E-07
041M18A3	Tetrachloroethene	12/14/1995	127184	8.83E+00	0.343	3.03E+02	50	UJ	4.82E-07
041M18A3	Toluene	12/14/1995	108883	8.05E+00	0.343	2.76E+02	220	J	2.32E-06
041M18A3	trans-1,3-Dichloropropene	12/14/1995	10061026		0.343		50	U	
041M18A3	Trichloroethene	12/14/1995	79016	6.65E+00	0.343	2.28E+02	50	U	6.39E-07
041M18A3	Vinyl chloride	12/14/1995	75014		0.343		15	U	
041M18A3	Xylene (Total)	12/14/1995	1330207	9.70E+00	0.343	3.33E+02	50	UJ	4.38E-07

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 15 Phase: 2 Wetland: 18B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M18B1	1,1,1-Trichloroethane	12/14/1995	71556	6.50E+00	0.118	7.68E+01	21.5	U	2.37E-06
041M18B1	1,1,2,2-Tetrachloroethane	12/14/1995	79345	8.13E+00	0.118	9.60E+01	21.5	U	1.90E-06
041M18B1	1,1,2-Trichloroethane	12/14/1995	79005	6.24E+00	0.118	7.37E+01	21.5	U	2.47E-06
041M18B1	1,1-Dichloroethane	12/14/1995	75343		0.118		21.5	U	
041M18B1	1,1-Dichloroethene	12/14/1995	75354	4.65E+00	0.118	5.49E+01	21.5	U	3.32E-06
041M18B1	1,2-Dichloroethane	12/14/1995	107062	4.43E+00	0.118	5.23E+01	21.5	U	3.49E-06
041M18B1	1,2-Dichloroethene (total)	12/14/1995	540590	4.61E+00	0.118	5.44E+01	21.5	U	3.35E-06
041M18B1	1,2-Dichloropropane	12/14/1995	78875	5.26E+00	0.118	6.21E+01	21.5	U	2.93E-06
041M18B1	2-Butanone (MEK)	12/14/1995	78933	2.93E+00	0.118	3.46E+01	98	J	2.40E-05
041M18B1	2-Hexanone	12/14/1995	591786	4.43E+00	0.118	5.23E+01	21.5	U	3.49E-06
041M18B1	4-Methyl-2-Pentanone (MIBK)	12/14/1995	108101	4.38E+00	0.118	5.17E+01	21.5	U	3.52E-06
041M18B1	Acetone	12/14/1995	67641	1.34E+01	0.118	1.58E+02	440	J	2.36E-05
041M18B1	Benzene	12/14/1995	71432	6.46E+00	0.118	7.62E+01	21.5	U	2.39E-06
041M18B1	Bromodichloromethane	12/14/1995	75274		0.118		21.5	U	
041M18B1	Bromoform	12/14/1995	75252	1.22E+01	0.118	1.44E+02	21.5	U	1.27E-06
041M18B1	Bromomethane	12/14/1995	74839	4.03E+00	0.118	4.75E+01	21.5	U	3.83E-06
041M18B1	Carbon disulfide	12/14/1995	75150		0.118		21.5	U	
041M18B1	Carbon tetrachloride	12/14/1995	56235	7.73E+00	0.118	9.13E+01	21.5	U	2.00E-06
041M18B1	Chlorobenzene	12/14/1995	108907	5.59E+00	0.118	6.59E+01	21.5	U	2.76E-06
041M18B1	Chloroethane	12/14/1995	75003		0.118		21.5	U	
041M18B1	Chloroform	12/14/1995	67663	5.59E+00	0.118	6.59E+01	21.5	U	2.76E-06
041M18B1	Chloromethane	12/14/1995	74873	2.12E+00	0.118	2.50E+01	21.5	U	7.28E-06
041M18B1	cis-1,3-Dichloropropene	12/14/1995	10061015		0.118		21.5	U	
041M18B1	Dibromochloromethane	12/14/1995	124481		0.118		21.5	U	
041M18B1	Ethylbenzene	12/14/1995	100414	9.64E+00	0.118	1.14E+02	21.5	U	1.60E-06
041M18B1	Methylene chloride	12/14/1995	75092	3.73E+00	0.118	4.40E+01	21.5	U	4.14E-06
041M18B1	Styrene	12/14/1995	100425	9.18E+00	0.118	1.08E+02	21.5	U	1.68E-06
041M18B1	Tetrachloroethene	12/14/1995	127184	8.83E+00	0.118	1.04E+02	21.5	U	1.75E-06
041M18B1	Toluene	12/14/1995	108883	8.05E+00	0.118	9.50E+01	21.5	U	1.92E-06
041M18B1	trans-1,3-Dichloropropene	12/14/1995	10061026		0.118		21.5	U	
041M18B1	Trichloroethene	12/14/1995	79016	6.65E+00	0.118	7.85E+01	21.5	U	2.32E-06
041M18B1	Vinyl chloride	12/14/1995	75014		0.118		6.5	U	
041M18B1	Xylene (Total)	12/14/1995	1330207	9.70E+00	0.118	1.14E+02	21.5	U	1.59E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 16 Phase: 2 Wetland: 19A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M19A1	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.00423	2.75E+00	38.5	U	3.31E-03
041M19A1	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.00423	3.44E+00	38.5	U	2.65E-03
041M19A1	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.00423	2.64E+00	38.5	U	3.45E-03
041M19A1	1,1-Dichloroethane	1/16/1996	75343		0.00423		38.5	U	
041M19A1	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.00423	1.97E+00	38.5	U	4.63E-03
041M19A1	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.00423	1.87E+00	38.5	U	4.86E-03
041M19A1	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.00423	1.95E+00	38.5	U	4.66E-03
041M19A1	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.00423	2.23E+00	38.5	U	4.09E-03
041M19A1	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.00423	1.24E+00	38.5	U	7.35E-03
041M19A1	2-Hexanone	1/16/1996	591786	4.43E+00	0.00423	1.87E+00	38.5	U	4.86E-03
041M19A1	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.00423	1.85E+00	38.5	U	4.91E-03
041M19A1	Acetone	1/16/1996	67641	1.34E+01	0.00423	5.66E+00	125	U	5.22E-03
041M19A1	Benzene	1/16/1996	71432	6.46E+00	0.00423	2.73E+00	38.5	U	3.33E-03
041M19A1	Bromodichloromethane	1/16/1996	75274		0.00423		38.5	U	
041M19A1	Bromoform	1/16/1996	75252	1.22E+01	0.00423	5.15E+00	38.5	U	1.77E-03
041M19A1	Bromomethane	1/16/1996	74839	4.03E+00	0.00423	1.70E+00	38.5	U	5.34E-03
041M19A1	Carbon disulfide	1/16/1996	75150		0.00423		38.5	U	
041M19A1	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.00423	3.27E+00	38.5	U	2.78E-03
041M19A1	Chlorobenzene	1/16/1996	108907	5.59E+00	0.00423	2.36E+00	38.5	U	3.85E-03
041M19A1	Chloroethane	1/16/1996	75003		0.00423		38.5	U	
041M19A1	Chloroform	1/16/1996	67663	5.59E+00	0.00423	2.36E+00	38.5	U	3.85E-03
041M19A1	Chloromethane	1/16/1996	74873	2.12E+00	0.00423	8.97E-01	38.5	U	1.01E-02
041M19A1	cis-1,3-Dichloropropene	1/16/1996	10061015		0.00423		38.5	U	
041M19A1	Dibromochloromethane	1/16/1996	124481		0.00423		38.5	U	
041M19A1	Ethylbenzene	1/16/1996	100414	9.64E+00	0.00423	4.08E+00	38.5	U	2.23E-03
041M19A1	Methylene chloride	1/16/1996	75092	3.73E+00	0.00423	1.58E+00	38.5	U	5.77E-03
041M19A1	Styrene	1/16/1996	100425	9.18E+00	0.00423	3.88E+00	38.5	U	2.34E-03
041M19A1	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.00423	3.73E+00	38.5	U	2.44E-03
041M19A1	Toluene	1/16/1996	108883	8.05E+00	0.00423	3.40E+00	38.5	U	2.67E-03
041M19A1	trans-1,3-Dichloropropene	1/16/1996	10061026		0.00423		38.5	U	
041M19A1	Trichloroethene	1/16/1996	79016	6.65E+00	0.00423	2.81E+00	38.5	U	3.23E-03
041M19A1	Vinyl chloride	1/16/1996	75014		0.00423		11.5	U	
041M19A1	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.00423	4.10E+00	38.5	U	2.22E-03
041M19A2	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.000674	4.38E-01	6	U	2.03E-02
041M19A2	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.000674	5.48E-01	6	U	1.62E-02
041M19A2	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.000674	4.21E-01	6	U	2.12E-02
041M19A2	1,1-Dichloroethane	1/16/1996	75343		0.000674		6	U	
041M19A2	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.000674	3.13E-01	6	U	2.84E-02
041M19A2	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.000674	2.99E-01	6	U	2.98E-02
041M19A2	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.000674	3.11E-01	6	U	2.86E-02

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 16 Phase: 2 Wetland: 19A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M19A2	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.000674	3.55E-01	6	U	2.51E-02
041M19A2	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.000674	1.97E-01	6	U	4.51E-02
041M19A2	2-Hexanone	1/16/1996	591786	4.43E+00	0.000674	2.99E-01	6	U	2.98E-02
041M19A2	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.000674	2.95E-01	6	U	3.01E-02
041M19A2	Acetone	1/16/1996	67641	1.34E+01	0.000674	9.02E-01	6	U	9.87E-03
041M19A2	Benzene	1/16/1996	71432	6.46E+00	0.000674	4.36E-01	6	U	2.04E-02
041M19A2	Bromodichloromethane	1/16/1996	75274		0.000674		6	U	
041M19A2	Bromoform	1/16/1996	75252	1.22E+01	0.000674	8.21E-01	6	U	1.08E-02
041M19A2	Bromomethane	1/16/1996	74839	4.03E+00	0.000674	2.72E-01	6	U	3.28E-02
041M19A2	Carbon disulfide	1/16/1996	75150		0.000674		6	U	
041M19A2	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.000674	5.21E-01	6	U	1.71E-02
041M19A2	Chlorobenzene	1/16/1996	108907	5.59E+00	0.000674	3.76E-01	6	U	2.36E-02
041M19A2	Chloroethane	1/16/1996	75003		0.000674		6	U	
041M19A2	Chloroform	1/16/1996	67663	5.59E+00	0.000674	3.77E-01	6	U	2.36E-02
041M19A2	Chloromethane	1/16/1996	74873	2.12E+00	0.000674	1.43E-01	2	J	2.08E-02
041M19A2	cis-1,3-Dichloropropene	1/16/1996	10061015		0.000674		6	U	
041M19A2	Dibromochloromethane	1/16/1996	124481		0.000674		6	U	
041M19A2	Ethylbenzene	1/16/1996	100414	9.64E+00	0.000674	6.50E-01	6	U	1.37E-02
041M19A2	Methylene chloride	1/16/1996	75092	3.73E+00	0.000674	2.51E-01	6	U	3.54E-02
041M19A2	Styrene	1/16/1996	100425	9.18E+00	0.000674	6.18E-01	6	U	1.44E-02
041M19A2	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.000674	5.95E-01	6	U	1.50E-02
041M19A2	Toluene	1/16/1996	108883	8.05E+00	0.000674	5.42E-01	6	U	1.64E-02
041M19A2	trans-1,3-Dichloropropene	1/16/1996	10061026		0.000674		6	U	
041M19A2	Trichloroethene	1/16/1996	79016	6.65E+00	0.000674	4.48E-01	6	U	1.99E-02
041M19A2	Vinyl chloride	1/16/1996	75014		0.000674		2	U	
041M19A2	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.000674	6.53E-01	6	U	1.36E-02

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 17 Phase: 2 Wetland: 19B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M19B1	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.0021	1.37E+00	6.5	U	2.27E-03
041M19B1	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.0021	1.71E+00	6.5	U	1.81E-03
041M19B1	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.0021	1.31E+00	6.5	U	2.36E-03
041M19B1	1,1-Dichloroethane	1/16/1996	75343		0.0021		6.5	U	
041M19B1	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.0021	9.76E-01	6.5	U	3.17E-03
041M19B1	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.0021	9.30E-01	6.5	U	3.33E-03
041M19B1	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.0021	9.69E-01	6.5	U	3.20E-03
041M19B1	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.0021	1.11E+00	6.5	U	2.80E-03
041M19B1	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.0021	6.15E-01	6.5	U	5.03E-03
041M19B1	2-Hexanone	1/16/1996	591786	4.43E+00	0.0021	9.30E-01	6.5	U	3.33E-03
041M19B1	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.0021	9.20E-01	6.5	U	3.36E-03
041M19B1	Acetone	1/16/1996	67641	1.34E+01	0.0021	2.81E+00	11.5	U	1.95E-03
041M19B1	Benzene	1/16/1996	71432	6.46E+00	0.0021	1.36E+00	6.5	U	2.28E-03
041M19B1	Bromodichloromethane	1/16/1996	75274		0.0021		6.5	U	
041M19B1	Bromoform	1/16/1996	75252	1.22E+01	0.0021	2.56E+00	6.5	U	1.21E-03
041M19B1	Bromomethane	1/16/1996	74839	4.03E+00	0.0021	8.46E-01	6.5	U	3.66E-03
041M19B1	Carbon disulfide	1/16/1996	75150		0.0021		6.5	U	
041M19B1	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.0021	1.62E+00	6.5	U	1.91E-03
041M19B1	Chlorobenzene	1/16/1996	108907	5.59E+00	0.0021	1.17E+00	6.5	U	2.64E-03
041M19B1	Chloroethane	1/16/1996	75003		0.0021		6.5	U	
041M19B1	Chloroform	1/16/1996	67663	5.59E+00	0.0021	1.17E+00	6.5	U	2.64E-03
041M19B1	Chloromethane	1/16/1996	74873	2.12E+00	0.0021	4.45E-01	6.5	U	6.95E-03
041M19B1	cis-1,3-Dichloropropene	1/16/1996	10061015		0.0021		6.5	U	
041M19B1	Dibromochloromethane	1/16/1996	124481		0.0021		6.5	U	
041M19B1	Ethylbenzene	1/16/1996	100414	9.64E+00	0.0021	2.02E+00	6.5	U	1.53E-03
041M19B1	Methylene chloride	1/16/1996	75092	3.73E+00	0.0021	7.83E-01	6.5	U	3.95E-03
041M19B1	Styrene	1/16/1996	100425	9.18E+00	0.0021	1.93E+00	6.5	U	1.61E-03
041M19B1	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.0021	1.85E+00	6.5	U	1.67E-03
041M19B1	Toluene	1/16/1996	108883	8.05E+00	0.0021	1.69E+00	6.5	U	1.83E-03
041M19B1	trans-1,3-Dichloropropene	1/16/1996	10061026		0.0021		6.5	U	
041M19B1	Trichloroethene	1/16/1996	79016	6.65E+00	0.0021	1.40E+00	6.5	U	2.22E-03
041M19B1	Vinyl chloride	1/16/1996	75014		0.0021		2	U	
041M19B1	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.0021	2.04E+00	6.5	U	1.52E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 18 Phase: 2 Wetland: 48 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M48010	1,1,1-Trichloroethane	1/22/1996	71556	6.50E+00	0.0443	2.88E+01	7	U	5.48E-06
041M48010	1,1,2,2-Tetrachloroethane	1/22/1996	79345	8.13E+00	0.0443	3.60E+01	7	U	4.38E-06
041M48010	1,1,2-Trichloroethane	1/22/1996	79005	6.24E+00	0.0443	2.77E+01	7	U	5.71E-06
041M48010	1,1-Dichloroethane	1/22/1996	75343		0.0443		7	U	
041M48010	1,1-Dichloroethene	1/22/1996	75354	4.65E+00	0.0443	2.06E+01	7	U	7.67E-06
041M48010	1,2-Dichloroethane	1/22/1996	107062	4.43E+00	0.0443	1.96E+01	7	U	8.05E-06
041M48010	1,2-Dichloroethene (total)	1/22/1996	540590	4.61E+00	0.0443	2.04E+01	7	U	7.73E-06
041M48010	1,2-Dichloropropane	1/22/1996	78875	5.26E+00	0.0443	2.33E+01	7	U	6.78E-06
041M48010	2-Butanone (MEK)	1/22/1996	78933	2.93E+00	0.0443	1.30E+01	7	U	1.22E-05
041M48010	2-Hexanone	1/22/1996	591786	4.43E+00	0.0443	1.96E+01	7	U	8.05E-06
041M48010	4-Methyl-2-Pentanone (MIBK)	1/22/1996	108101	4.38E+00	0.0443	1.94E+01	7	U	8.14E-06
041M48010	Acetone	1/22/1996	67641	1.34E+01	0.0443	5.93E+01	11	U	4.19E-06
041M48010	Benzene	1/22/1996	71432	6.46E+00	0.0443	2.86E+01	7	U	5.52E-06
041M48010	Bromodichloromethane	1/22/1996	75274		0.0443		7	U	
041M48010	Bromoform	1/22/1996	75252	1.22E+01	0.0443	5.40E+01	7	U	2.93E-06
041M48010	Bromomethane	1/22/1996	74839	4.03E+00	0.0443	1.78E+01	7	U	8.85E-06
041M48010	Carbon disulfide	1/22/1996	75150		0.0443		7	U	
041M48010	Carbon tetrachloride	1/22/1996	56235	7.73E+00	0.0443	3.43E+01	7	U	4.61E-06
041M48010	Chlorobenzene	1/22/1996	108907	5.59E+00	0.0443	2.47E+01	7	U	6.39E-06
041M48010	Chloroethane	1/22/1996	75003		0.0443		7	U	
041M48010	Chloroform	1/22/1996	67663	5.59E+00	0.0443	2.47E+01	7	U	6.38E-06
041M48010	Chloromethane	1/22/1996	74873	2.12E+00	0.0443	9.40E+00	7	U	1.68E-05
041M48010	cis-1,3-Dichloropropene	1/22/1996	10061015		0.0443		7	U	
041M48010	Dibromochloromethane	1/22/1996	124481		0.0443		7	U	
041M48010	Ethylbenzene	1/22/1996	100414	9.64E+00	0.0443	4.27E+01	7	U	3.70E-06
041M48010	Methylene chloride	1/22/1996	75092	3.73E+00	0.0443	1.65E+01	7	U	9.57E-06
041M48010	Styrene	1/22/1996	100425	9.18E+00	0.0443	4.07E+01	7	U	3.89E-06
041M48010	Tetrachloroethene	1/22/1996	127184	8.83E+00	0.0443	3.91E+01	7	U	4.04E-06
041M48010	Toluene	1/22/1996	108883	8.05E+00	0.0443	3.56E+01	7	U	4.43E-06
041M48010	trans-1,3-Dichloropropene	1/22/1996	10061026		0.0443		7	U	
041M48010	Trichloroethene	1/22/1996	79016	6.65E+00	0.0443	2.95E+01	7	U	5.36E-06
041M48010	Vinyl chloride	1/22/1996	75014		0.0443		2	U	
041M48010	Xylene (Total)	1/22/1996	1330207	9.70E+00	0.0443	4.30E+01	7	U	3.68E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 19 Phase: 2 Wetland: 49 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M49010	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.00811	5.28E+00	32.5	U	7.60E-04
041M49010	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.00811	6.60E+00	32.5	U	6.07E-04
041M49010	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.00811	5.06E+00	32.5	U	7.92E-04
041M49010	1,1-Dichloroethane	1/16/1996	75343		0.00811		32.5	U	
041M49010	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.00811	3.77E+00	32.5	U	1.06E-03
041M49010	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.00811	3.59E+00	32.5	U	1.12E-03
041M49010	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.00811	3.74E+00	32.5	U	1.07E-03
041M49010	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.00811	4.27E+00	32.5	U	9.39E-04
041M49010	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.00811	2.38E+00	32.5	U	1.69E-03
041M49010	2-Hexanone	1/16/1996	591786	4.43E+00	0.00811	3.59E+00	32.5	U	1.12E-03
041M49010	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.00811	3.55E+00	32.5	U	1.13E-03
041M49010	Acetone	1/16/1996	67641	1.34E+01	0.00811	1.09E+01	32.5	U	3.69E-04
041M49010	Benzene	1/16/1996	71432	6.46E+00	0.00811	5.24E+00	32.5	U	7.65E-04
041M49010	Bromodichloromethane	1/16/1996	75274		0.00811		32.5	U	
041M49010	Bromoform	1/16/1996	75252	1.22E+01	0.00811	9.88E+00	32.5	U	4.06E-04
041M49010	Bromomethane	1/16/1996	74839	4.03E+00	0.00811	3.27E+00	32.5	U	1.23E-03
041M49010	Carbon disulfide	1/16/1996	75150		0.00811		32.5	U	
041M49010	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.00811	6.27E+00	32.5	U	6.39E-04
041M49010	Chlorobenzene	1/16/1996	108907	5.59E+00	0.00811	4.53E+00	32.5	U	8.85E-04
041M49010	Chloroethane	1/16/1996	75003		0.00811		32.5	U	
041M49010	Chloroform	1/16/1996	67663	5.59E+00	0.00811	4.53E+00	32.5	U	8.84E-04
041M49010	Chloromethane	1/16/1996	74873	2.12E+00	0.00811	1.72E+00	32.5	U	2.33E-03
041M49010	cis-1,3-Dichloropropene	1/16/1996	10061015		0.00811		32.5	U	
041M49010	Dibromochloromethane	1/16/1996	124481		0.00811		32.5	U	
041M49010	Ethylbenzene	1/16/1996	100414	9.64E+00	0.00811	7.82E+00	32.5	U	5.13E-04
041M49010	Methylene chloride	1/16/1996	75092	3.73E+00	0.00811	3.02E+00	32.5	U	1.33E-03
041M49010	Styrene	1/16/1996	100425	9.18E+00	0.00811	7.44E+00	32.5	U	5.38E-04
041M49010	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.00811	7.16E+00	32.5	U	5.60E-04
041M49010	Toluene	1/16/1996	108883	8.05E+00	0.00811	6.53E+00	32.5	U	6.14E-04
041M49010	trans-1,3-Dichloropropene	1/16/1996	10061026		0.00811		32.5	U	
041M49010	Trichloroethene	1/16/1996	79016	6.65E+00	0.00811	5.40E+00	32.5	U	7.43E-04
041M49010	Vinyl chloride	1/16/1996	75014		0.00811		9.5	U	
041M49010	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.00811	7.86E+00	32.5	U	5.10E-04
041M49020	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.0126	8.20E+00	6.5	U	6.29E-05
041M49020	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.0126	1.02E+01	6.5	U	5.03E-05
041M49020	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.0126	7.87E+00	6.5	U	6.56E-05
041M49020	1,1-Dichloroethane	1/16/1996	75343		0.0126		6.5	U	
041M49020	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.0126	5.86E+00	6.5	U	8.81E-05
041M49020	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.0126	5.58E+00	6.5	U	9.24E-05
041M49020	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.0126	5.81E+00	6.5	U	8.88E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 19 Phase: 2 Wetland: 49 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M49020	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.0126	6.63E+00	6.5	U	7.78E-05
041M49020	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.0126	3.69E+00	6.5	U	1.40E-04
041M49020	2-Hexanone	1/16/1996	591786	4.43E+00	0.0126	5.58E+00	6.5	U	9.24E-05
041M49020	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.0126	5.52E+00	6.5	U	9.34E-05
041M49020	Acetone	1/16/1996	67641	1.34E+01	0.0126	1.69E+01	7	U	3.29E-05
041M49020	Benzene	1/16/1996	71432	6.46E+00	0.0126	8.14E+00	6.5	U	6.34E-05
041M49020	Bromodichloromethane	1/16/1996	75274		0.0126		6.5	U	
041M49020	Bromoform	1/16/1996	75252	1.22E+01	0.0126	1.54E+01	6.5	U	3.36E-05
041M49020	Bromomethane	1/16/1996	74839	4.03E+00	0.0126	5.08E+00	6.5	U	1.02E-04
041M49020	Carbon disulfide	1/16/1996	75150		0.0126		6.5	U	
041M49020	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.0126	9.74E+00	6.5	U	5.29E-05
041M49020	Chlorobenzene	1/16/1996	108907	5.59E+00	0.0126	7.04E+00	6.5	U	7.33E-05
041M49020	Chloroethane	1/16/1996	75003		0.0126		6.5	U	
041M49020	Chloroform	1/16/1996	67663	5.59E+00	0.0126	7.04E+00	6.5	U	7.33E-05
041M49020	Chloromethane	1/16/1996	74873	2.12E+00	0.0126	2.67E+00	6.5	U	1.93E-04
041M49020	cis-1,3-Dichloropropene	1/16/1996	10061015		0.0126		6.5	U	
041M49020	Dibromochloromethane	1/16/1996	124481		0.0126		6.5	U	
041M49020	Ethylbenzene	1/16/1996	100414	9.64E+00	0.0126	1.21E+01	6.5	U	4.25E-05
041M49020	Methylene chloride	1/16/1996	75092	3.73E+00	0.0126	4.70E+00	6.5	U	1.10E-04
041M49020	Styrene	1/16/1996	100425	9.18E+00	0.0126	1.16E+01	6.5	U	4.46E-05
041M49020	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.0126	1.11E+01	6.5	U	4.64E-05
041M49020	Toluene	1/16/1996	108883	8.05E+00	0.0126	1.01E+01	6.5	U	5.09E-05
041M49020	trans-1,3-Dichloropropene	1/16/1996	10061026		0.0126		6.5	U	
041M49020	Trichloroethene	1/16/1996	79016	6.65E+00	0.0126	8.38E+00	6.5	U	6.15E-05
041M49020	Vinyl chloride	1/16/1996	75014		0.0126		2	U	
041M49020	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.0126	1.22E+01	6.5	U	4.22E-05
041M49030	1,1,1-Trichloroethane	1/16/1996	71556	6.50E+00	0.0148	9.63E+00	7.5	U	5.26E-05
041M49030	1,1,2,2-Tetrachloroethane	1/16/1996	79345	8.13E+00	0.0148	1.20E+01	7.5	U	4.21E-05
041M49030	1,1,2-Trichloroethane	1/16/1996	79005	6.24E+00	0.0148	9.24E+00	7.5	U	5.48E-05
041M49030	1,1-Dichloroethane	1/16/1996	75343		0.0148		7.5	U	
041M49030	1,1-Dichloroethene	1/16/1996	75354	4.65E+00	0.0148	6.88E+00	7.5	U	7.37E-05
041M49030	1,2-Dichloroethane	1/16/1996	107062	4.43E+00	0.0148	6.55E+00	7.5	U	7.73E-05
041M49030	1,2-Dichloroethene (total)	1/16/1996	540590	4.61E+00	0.0148	6.83E+00	7.5	U	7.42E-05
041M49030	1,2-Dichloropropane	1/16/1996	78875	5.26E+00	0.0148	7.79E+00	7.5	U	6.50E-05
041M49030	2-Butanone (MEK)	1/16/1996	78933	2.93E+00	0.0148	4.33E+00	7.5	U	1.17E-04
041M49030	2-Hexanone	1/16/1996	591786	4.43E+00	0.0148	6.56E+00	7.5	U	7.73E-05
041M49030	4-Methyl-2-Pentanone (MIBK)	1/16/1996	108101	4.38E+00	0.0148	6.49E+00	7.5	U	7.81E-05
041M49030	Acetone	1/16/1996	67641	1.34E+01	0.0148	1.98E+01	11.5	U	3.92E-05
041M49030	Benzene	1/16/1996	71432	6.46E+00	0.0148	9.56E+00	7.5	U	5.30E-05
041M49030	Bromodichloromethane	1/16/1996	75274		0.0148		7.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 19 Phase: 2 Wetland: 49 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M49030	Bromoform	1/16/1996	75252	1.22E+01	0.0148	1.80E+01	7.5	U	2.81E-05
041M49030	Bromomethane	1/16/1996	74839	4.03E+00	0.0148	5.96E+00	7.5	U	8.50E-05
041M49030	Carbon disulfide	1/16/1996	75150		0.0148		7.5	U	
041M49030	Carbon tetrachloride	1/16/1996	56235	7.73E+00	0.0148	1.14E+01	7.5	U	4.43E-05
041M49030	Chlorobenzene	1/16/1996	108907	5.59E+00	0.0148	8.27E+00	7.5	U	6.13E-05
041M49030	Chloroethane	1/16/1996	75003		0.0148		7.5	U	
041M49030	Chloroform	1/16/1996	67663	5.59E+00	0.0148	8.27E+00	7.5	U	6.13E-05
041M49030	Chloromethane	1/16/1996	74873	2.12E+00	0.0148	3.14E+00	2	J	4.30E-05
041M49030	cis-1,3-Dichloropropene	1/16/1996	10061015		0.0148		7.5	U	
041M49030	Dibromochloromethane	1/16/1996	124481		0.0148		7.5	U	
041M49030	Ethylbenzene	1/16/1996	100414	9.64E+00	0.0148	1.43E+01	7.5	U	3.55E-05
041M49030	Methylene chloride	1/16/1996	75092	3.73E+00	0.0148	5.52E+00	7.5	U	9.18E-05
041M49030	Styrene	1/16/1996	100425	9.18E+00	0.0148	1.36E+01	7.5	U	3.73E-05
041M49030	Tetrachloroethene	1/16/1996	127184	8.83E+00	0.0148	1.31E+01	7.5	U	3.88E-05
041M49030	Toluene	1/16/1996	108883	8.05E+00	0.0148	1.19E+01	7.5	U	4.25E-05
041M49030	trans-1,3-Dichloropropene	1/16/1996	10061026		0.0148		7.5	U	
041M49030	Trichloroethene	1/16/1996	79016	6.65E+00	0.0148	9.85E+00	7.5	U	5.15E-05
041M49030	Vinyl chloride	1/16/1996	75014		0.0148		2	U	
041M49030	Xylene (Total)	1/16/1996	1330207	9.70E+00	0.0148	1.43E+01	7.5	U	3.53E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 20 Phase: 2 Wetland: 52 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M52A1	1,1,1-Trichloroethane	1/23/1996	71556	6.50E+00	0.468	3.04E+02	35.5	U	2.49E-07
041M52A1	1,1,2,2-Tetrachloroethane	1/23/1996	79345	8.13E+00	0.468	3.81E+02	35.5	UJ	1.99E-07
041M52A1	1,1,2-Trichloroethane	1/23/1996	79005	6.24E+00	0.468	2.92E+02	35.5	U	2.60E-07
041M52A1	1,1-Dichloroethane	1/23/1996	75343		0.468		35.5	U	
041M52A1	1,1-Dichloroethene	1/23/1996	75354	4.65E+00	0.468	2.18E+02	35.5	U	3.49E-07
041M52A1	1,2-Dichloroethane	1/23/1996	107062	4.43E+00	0.468	2.07E+02	35.5	U	3.66E-07
041M52A1	1,2-Dichloroethene (total)	1/23/1996	540590	4.61E+00	0.468	2.16E+02	35.5	U	3.51E-07
041M52A1	1,2-Dichloropropane	1/23/1996	78875	5.26E+00	0.468	2.46E+02	35.5	U	3.08E-07
041M52A1	2-Butanone (MEK)	1/23/1996	78933	2.93E+00	0.468	1.37E+02	35.5	U	5.53E-07
041M52A1	2-Hexanone	1/23/1996	591786	4.43E+00	0.468	2.07E+02	35.5	UJ	3.66E-07
041M52A1	4-Methyl-2-Pentanone (MIBK)	1/23/1996	108101	4.38E+00	0.468	2.05E+02	35.5	U	3.70E-07
041M52A1	Acetone	1/23/1996	67641	1.34E+01	0.468	6.26E+02	1300		4.43E-06
041M52A1	Benzene	1/23/1996	71432	6.46E+00	0.468	3.02E+02	35.5	U	2.51E-07
041M52A1	Bromodichloromethane	1/23/1996	75274		0.468		35.5	U	
041M52A1	Bromoform	1/23/1996	75252	1.22E+01	0.468	5.70E+02	35.5	U	1.33E-07
041M52A1	Bromomethane	1/23/1996	74839	4.03E+00	0.468	1.89E+02	35.5	U	4.02E-07
041M52A1	Carbon disulfide	1/23/1996	75150		0.468		35.5	U	
041M52A1	Carbon tetrachloride	1/23/1996	56235	7.73E+00	0.468	3.62E+02	35.5	U	2.10E-07
041M52A1	Chlorobenzene	1/23/1996	108907	5.59E+00	0.468	2.61E+02	35.5	UJ	2.90E-07
041M52A1	Chloroethane	1/23/1996	75003		0.468		35.5	U	
041M52A1	Chloroform	1/23/1996	67663	5.59E+00	0.468	2.61E+02	35.5	U	2.90E-07
041M52A1	Chloromethane	1/23/1996	74873	2.12E+00	0.468	9.93E+01	35.5	U	7.64E-07
041M52A1	cis-1,3-Dichloropropene	1/23/1996	10061015		0.468		35.5	U	
041M52A1	Dibromochloromethane	1/23/1996	124481		0.468		35.5	U	
041M52A1	Ethylbenzene	1/23/1996	100414	9.64E+00	0.468	4.51E+02	35.5	UJ	1.68E-07
041M52A1	Methylene chloride	1/23/1996	75092	3.73E+00	0.468	1.74E+02	35.5	U	4.35E-07
041M52A1	Styrene	1/23/1996	100425	9.18E+00	0.468	4.29E+02	35.5	UJ	1.77E-07
041M52A1	Tetrachloroethene	1/23/1996	127184	8.83E+00	0.468	4.13E+02	35.5	UJ	1.84E-07
041M52A1	Toluene	1/23/1996	108883	8.05E+00	0.468	3.77E+02	35.5	UJ	2.01E-07
041M52A1	trans-1,3-Dichloropropene	1/23/1996	10061026		0.468		35.5	U	
041M52A1	Trichloroethene	1/23/1996	79016	6.65E+00	0.468	3.11E+02	35.5	U	2.44E-07
041M52A1	Vinyl chloride	1/23/1996	75014		0.468		10.5	U	
041M52A1	Xylene (Total)	1/23/1996	1330207	9.70E+00	0.468	4.54E+02	35.5	UJ	1.67E-07
041M52D1	1,1,1-Trichloroethane	1/23/1996	71556	6.50E+00	0.0525	3.42E+01	8	U	4.46E-06
041M52D1	1,1,2,2-Tetrachloroethane	1/23/1996	79345	8.13E+00	0.0525	4.27E+01	8	U	3.57E-06
041M52D1	1,1,2-Trichloroethane	1/23/1996	79005	6.24E+00	0.0525	3.28E+01	8	U	4.65E-06
041M52D1	1,1-Dichloroethane	1/23/1996	75343		0.0525		8	U	
041M52D1	1,1-Dichloroethene	1/23/1996	75354	4.65E+00	0.0525	2.44E+01	8	U	6.24E-06
041M52D1	1,2-Dichloroethane	1/23/1996	107062	4.43E+00	0.0525	2.33E+01	8	U	6.55E-06
041M52D1	1,2-Dichloroethene (total)	1/23/1996	540590	4.61E+00	0.0525	2.42E+01	8	U	6.29E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 20 Phase: 2 Wetland: 52 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M52D1	1,2-Dichloropropane	1/23/1996	78875	5.26E+00	0.0525	2.76E+01	8	U	5.51E-06
041M52D1	2-Butanone (MEK)	1/23/1996	78933	2.93E+00	0.0525	1.54E+01	8	U	9.91E-06
041M52D1	2-Hexanone	1/23/1996	591786	4.43E+00	0.0525	2.33E+01	8	U	6.55E-06
041M52D1	4-Methyl-2-Pentanone (MIBK)	1/23/1996	108101	4.38E+00	0.0525	2.30E+01	8	U	6.62E-06
041M52D1	Acetone	1/23/1996	67641	1.34E+01	0.0525	7.03E+01	14.5	U	3.93E-06
041M52D1	Benzene	1/23/1996	71432	6.46E+00	0.0525	3.39E+01	8	U	4.49E-06
041M52D1	Bromodichloromethane	1/23/1996	75274		0.0525		8	U	
041M52D1	Bromoform	1/23/1996	75252	1.22E+01	0.0525	6.40E+01	8	U	2.38E-06
041M52D1	Bromomethane	1/23/1996	74839	4.03E+00	0.0525	2.11E+01	8	U	7.20E-06
041M52D1	Carbon disulfide	1/23/1996	75150		0.0525		8	U	
041M52D1	Carbon tetrachloride	1/23/1996	56235	7.73E+00	0.0525	4.06E+01	8	U	3.75E-06
041M52D1	Chlorobenzene	1/23/1996	108907	5.59E+00	0.0525	2.93E+01	8	U	5.20E-06
041M52D1	Chloroethane	1/23/1996	75003		0.0525		8	U	
041M52D1	Chloroform	1/23/1996	67663	5.59E+00	0.0525	2.93E+01	8	U	5.20E-06
041M52D1	Chloromethane	1/23/1996	74873	2.12E+00	0.0525	1.11E+01	8	U	1.37E-05
041M52D1	cis-1,3-Dichloropropene	1/23/1996	10061015		0.0525		8	U	
041M52D1	Dibromochloromethane	1/23/1996	124481		0.0525		8	U	
041M52D1	Ethylbenzene	1/23/1996	100414	9.64E+00	0.0525	5.06E+01	8	U	3.01E-06
041M52D1	Methylene chloride	1/23/1996	75092	3.73E+00	0.0525	1.96E+01	8	U	7.78E-06
041M52D1	Styrene	1/23/1996	100425	9.18E+00	0.0525	4.82E+01	8	U	3.16E-06
041M52D1	Tetrachloroethene	1/23/1996	127184	8.83E+00	0.0525	4.63E+01	8	U	3.29E-06
041M52D1	Toluene	1/23/1996	108883	8.05E+00	0.0525	4.22E+01	8	U	3.61E-06
041M52D1	trans-1,3-Dichloropropene	1/23/1996	10061026		0.0525		8	U	
041M52D1	Trichloroethene	1/23/1996	79016	6.65E+00	0.0525	3.49E+01	8	U	4.36E-06
041M52D1	Vinyl chloride	1/23/1996	75014		0.0525		2.5	U	
041M52D1	Xylene (Total)	1/23/1996	1330207	9.70E+00	0.0525	5.09E+01	8	U	2.99E-06
041M52E10	1,1,1-Trichloroethane	1/23/1996	71556	6.50E+00	0.0228	1.48E+01	8.5	U	2.51E-05
041M52E10	1,1,2,2-Tetrachloroethane	1/23/1996	79345	8.13E+00	0.0228	1.85E+01	8.5	U	2.01E-05
041M52E10	1,1,2-Trichloroethane	1/23/1996	79005	6.24E+00	0.0228	1.42E+01	8.5	U	2.62E-05
041M52E10	1,1-Dichloroethane	1/23/1996	75343		0.0228		8.5	U	
041M52E10	1,1-Dichloroethene	1/23/1996	75354	4.65E+00	0.0228	1.06E+01	8.5	U	3.52E-05
041M52E10	1,2-Dichloroethane	1/23/1996	107062	4.43E+00	0.0228	1.01E+01	8.5	U	3.69E-05
041M52E10	1,2-Dichloroethene (total)	1/23/1996	540590	4.61E+00	0.0228	1.05E+01	8.5	U	3.54E-05
041M52E10	1,2-Dichloropropane	1/23/1996	78875	5.26E+00	0.0228	1.20E+01	8.5	U	3.11E-05
041M52E10	2-Butanone (MEK)	1/23/1996	78933	2.93E+00	0.0228	6.68E+00	8.5	U	5.58E-05
041M52E10	2-Hexanone	1/23/1996	591786	4.43E+00	0.0228	1.01E+01	8.5	U	3.69E-05
041M52E10	4-Methyl-2-Pentanone (MIBK)	1/23/1996	108101	4.38E+00	0.0228	9.99E+00	8.5	U	3.73E-05
041M52E10	Acetone	1/23/1996	67641	1.34E+01	0.0228	3.05E+01	26	U	3.74E-05
041M52E10	Benzene	1/23/1996	71432	6.46E+00	0.0228	1.47E+01	8.5	U	2.53E-05
041M52E10	Bromodichloromethane	1/23/1996	75274		0.0228		8.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 20 Phase: 2 Wetland: 52 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M52E10	Bromoform	1/23/1996	75252	1.22E+01	0.0228	2.78E+01	8.5	U	1.34E-05
041M52E10	Bromomethane	1/23/1996	74839	4.03E+00	0.0228	9.19E+00	8.5	U	4.06E-05
041M52E10	Carbon disulfide	1/23/1996	75150		0.0228		8.5	U	
041M52E10	Carbon tetrachloride	1/23/1996	56235	7.73E+00	0.0228	1.76E+01	8.5	U	2.11E-05
041M52E10	Chlorobenzene	1/23/1996	108907	5.59E+00	0.0228	1.27E+01	8.5	U	2.93E-05
041M52E10	Chloroethane	1/23/1996	75003		0.0228		8.5	U	
041M52E10	Chloroform	1/23/1996	67663	5.59E+00	0.0228	1.27E+01	8.5	U	2.93E-05
041M52E10	Chloromethane	1/23/1996	74873	2.12E+00	0.0228	4.84E+00	8.5	U	7.71E-05
041M52E10	cis-1,3-Dichloropropene	1/23/1996	10061015		0.0228		8.5	U	
041M52E10	Dibromochloromethane	1/23/1996	124481		0.0228		8.5	U	
041M52E10	Ethylbenzene	1/23/1996	100414	9.64E+00	0.0228	2.20E+01	8.5	U	1.70E-05
041M52E10	Methylene chloride	1/23/1996	75092	3.73E+00	0.0228	8.50E+00	8.5	U	4.39E-05
041M52E10	Styrene	1/23/1996	100425	9.18E+00	0.0228	2.09E+01	8.5	U	1.78E-05
041M52E10	Tetrachloroethene	1/23/1996	127184	8.83E+00	0.0228	2.01E+01	8.5	U	1.85E-05
041M52E10	Toluene	1/23/1996	108883	8.05E+00	0.0228	1.83E+01	8.5	U	2.03E-05
041M52E10	trans-1,3-Dichloropropene	1/23/1996	10061026		0.0228		8.5	U	
041M52E10	Trichloroethene	1/23/1996	79016	6.65E+00	0.0228	1.52E+01	8.5	U	2.46E-05
041M52E10	Vinyl chloride	1/23/1996	75014		0.0228		2.5	U	
041M52E10	Xylene (Total)	1/23/1996	1330207	9.70E+00	0.0228	2.21E+01	8.5	U	1.69E-05
041M52E20	1,1,1-Trichloroethane	1/23/1996	71556	6.50E+00	0.221	1.44E+02	22.5	U	7.08E-07
041M52E20	1,1,2,2-Tetrachloroethane	1/23/1996	79345	8.13E+00	0.221	1.80E+02	22.5	UJ	5.66E-07
041M52E20	1,1,2-Trichloroethane	1/23/1996	79005	6.24E+00	0.221	1.38E+02	22.5	U	7.38E-07
041M52E20	1,1-Dichloroethane	1/23/1996	75343		0.221		22.5	U	
041M52E20	1,1-Dichloroethene	1/23/1996	75354	4.65E+00	0.221	1.03E+02	22.5	U	9.91E-07
041M52E20	1,2-Dichloroethane	1/23/1996	107062	4.43E+00	0.221	9.79E+01	22.5	U	1.04E-06
041M52E20	1,2-Dichloroethene (total)	1/23/1996	540590	4.61E+00	0.221	1.02E+02	22.5	U	9.99E-07
041M52E20	1,2-Dichloropropane	1/23/1996	78875	5.26E+00	0.221	1.16E+02	22.5	U	8.75E-07
041M52E20	2-Butanone (MEK)	1/23/1996	78933	2.93E+00	0.221	6.47E+01	22.5	U	1.57E-06
041M52E20	2-Hexanone	1/23/1996	591786	4.43E+00	0.221	9.79E+01	22.5	UJ	1.04E-06
041M52E20	4-Methyl-2-Pentanone (MIBK)	1/23/1996	108101	4.38E+00	0.221	9.69E+01	22.5	U	1.05E-06
041M52E20	Acetone	1/23/1996	67641	1.34E+01	0.221	2.96E+02	100	U	1.53E-06
041M52E20	Benzene	1/23/1996	71432	6.46E+00	0.221	1.43E+02	22.5	U	7.13E-07
041M52E20	Bromodichloromethane	1/23/1996	75274		0.221		22.5	U	
041M52E20	Bromoform	1/23/1996	75252	1.22E+01	0.221	2.69E+02	22.5	U	3.78E-07
041M52E20	Bromomethane	1/23/1996	74839	4.03E+00	0.221	8.90E+01	22.5	U	1.14E-06
041M52E20	Carbon disulfide	1/23/1996	75150		0.221		22.5	U	
041M52E20	Carbon tetrachloride	1/23/1996	56235	7.73E+00	0.221	1.71E+02	22.5	U	5.96E-07
041M52E20	Chlorobenzene	1/23/1996	108907	5.59E+00	0.221	1.23E+02	22.5	UJ	8.25E-07
041M52E20	Chloroethane	1/23/1996	75003		0.221		22.5	U	
041M52E20	Chloroform	1/23/1996	67663	5.59E+00	0.221	1.23E+02	22.5	U	8.25E-07

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 20 Phase: 2 Wetland: 52 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M52E20	Chloromethane	1/23/1996	74873	2.12E+00	0.221	4.69E+01	22.5	U	2.17E-06
041M52E20	cis-1,3-Dichloropropene	1/23/1996	10061015		0.221		22.5	U	
041M52E20	Dibromochloromethane	1/23/1996	124481		0.221		22.5	U	
041M52E20	Ethylbenzene	1/23/1996	100414	9.64E+00	0.221	2.13E+02	22.5	UJ	4.78E-07
041M52E20	Methylene chloride	1/23/1996	75092	3.73E+00	0.221	8.24E+01	22.5	U	1.24E-06
041M52E20	Styrene	1/23/1996	100425	9.18E+00	0.221	2.03E+02	22.5	UJ	5.02E-07
041M52E20	Tetrachloroethene	1/23/1996	127184	8.83E+00	0.221	1.95E+02	22.5	UJ	5.22E-07
041M52E20	Toluene	1/23/1996	108883	8.05E+00	0.221	1.78E+02	21	J	5.34E-07
041M52E20	trans-1,3-Dichloropropene	1/23/1996	10061026		0.221		22.5	U	
041M52E20	Trichloroethene	1/23/1996	79016	6.65E+00	0.221	1.47E+02	22.5	U	6.92E-07
041M52E20	Vinyl chloride	1/23/1996	75014		0.221		7	U	
041M52E20	Xylene (Total)	1/23/1996	1330207	9.70E+00	0.221	2.14E+02	22.5	UJ	4.75E-07
041M52E30	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.0068	4.42E+00	7	U	2.33E-04
041M52E30	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.0068	5.53E+00	7	U	1.86E-04
041M52E30	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.0068	4.25E+00	7	U	2.42E-04
041M52E30	1,1-Dichloroethane	1/24/1996	75343		0.0068		7	U	
041M52E30	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.0068	3.16E+00	7	U	3.26E-04
041M52E30	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.0068	3.01E+00	7	U	3.42E-04
041M52E30	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.0068	3.14E+00	7	U	3.28E-04
041M52E30	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.0068	3.58E+00	7	U	2.88E-04
041M52E30	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.0068	1.99E+00	7	U	5.17E-04
041M52E30	2-Hexanone	1/24/1996	591786	4.43E+00	0.0068	3.01E+00	7	U	3.42E-04
041M52E30	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.0068	2.98E+00	7	U	3.45E-04
041M52E30	Acetone	1/24/1996	67641	1.34E+01	0.0068	9.10E+00	15.5	U	2.50E-04
041M52E30	Benzene	1/24/1996	71432	6.46E+00	0.0068	4.39E+00	7	U	2.34E-04
041M52E30	Bromodichloromethane	1/24/1996	75274		0.0068		7	U	
041M52E30	Bromoform	1/24/1996	75252	1.22E+01	0.0068	8.29E+00	7	U	1.24E-04
041M52E30	Bromomethane	1/24/1996	74839	4.03E+00	0.0068	2.74E+00	7	U	3.76E-04
041M52E30	Carbon disulfide	1/24/1996	75150		0.0068		7	U	
041M52E30	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.0068	5.26E+00	7	U	1.96E-04
041M52E30	Chlorobenzene	1/24/1996	108907	5.59E+00	0.0068	3.80E+00	7	U	2.71E-04
041M52E30	Chloroethane	1/24/1996	75003		0.0068		7	U	
041M52E30	Chloroform	1/24/1996	67663	5.59E+00	0.0068	3.80E+00	7	U	2.71E-04
041M52E30	Chloromethane	1/24/1996	74873	2.12E+00	0.0068	1.44E+00	7	U	7.14E-04
041M52E30	cis-1,3-Dichloropropene	1/24/1996	10061015		0.0068		7	U	
041M52E30	Dibromochloromethane	1/24/1996	124481		0.0068		7	U	
041M52E30	Ethylbenzene	1/24/1996	100414	9.64E+00	0.0068	6.55E+00	7	U	1.57E-04
041M52E30	Methylene chloride	1/24/1996	75092	3.73E+00	0.0068	2.54E+00	7	U	4.06E-04
041M52E30	Styrene	1/24/1996	100425	9.18E+00	0.0068	6.24E+00	7	U	1.65E-04
041M52E30	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.0068	6.00E+00	7	U	1.72E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 20 Phase: 2 Wetland: 52 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M52E30	Toluene	1/24/1996	108883	8.05E+00	0.0068	5.47E+00	7	U	1.88E-04
041M52E30	trans-1,3-Dichloropropene	1/24/1996	10061026		0.0068		7	U	
041M52E30	Trichloroethene	1/24/1996	79016	6.65E+00	0.0068	4.52E+00	7	U	2.28E-04
041M52E30	Vinyl chloride	1/24/1996	75014		0.0068		2	U	
041M52E30	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.0068	6.59E+00	7	U	1.56E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 21 Phase: 2 Wetland: 56 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M56A1	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.0126	8.20E+00	12.5	U	1.21E-04
041M56A1	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.0126	1.02E+01	12.5	U	9.68E-05
041M56A1	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.0126	7.87E+00	12.5	U	1.26E-04
041M56A1	1,1-Dichloroethane	1/24/1996	75343		0.0126		12.5	U	
041M56A1	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.0126	5.86E+00	12.5	U	1.69E-04
041M56A1	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.0126	5.58E+00	12.5	U	1.78E-04
041M56A1	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.0126	5.81E+00	12.5	U	1.71E-04
041M56A1	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.0126	6.63E+00	12.5	U	1.50E-04
041M56A1	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.0126	3.69E+00	12.5	U	2.69E-04
041M56A1	2-Hexanone	1/24/1996	591786	4.43E+00	0.0126	5.58E+00	12.5	U	1.78E-04
041M56A1	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.0126	5.52E+00	12.5	U	1.80E-04
041M56A1	Acetone	1/24/1996	67641	1.34E+01	0.0126	1.69E+01	43.5	U	2.05E-04
041M56A1	Benzene	1/24/1996	71432	6.46E+00	0.0126	8.14E+00	12.5	U	1.22E-04
041M56A1	Bromodichloromethane	1/24/1996	75274		0.0126		12.5	U	
041M56A1	Bromoform	1/24/1996	75252	1.22E+01	0.0126	1.54E+01	12.5	U	6.46E-05
041M56A1	Bromomethane	1/24/1996	74839	4.03E+00	0.0126	5.08E+00	12.5	U	1.95E-04
041M56A1	Carbon disulfide	1/24/1996	75150		0.0126		12.5	U	
041M56A1	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.0126	9.74E+00	12.5	U	1.02E-04
041M56A1	Chlorobenzene	1/24/1996	108907	5.59E+00	0.0126	7.04E+00	12.5	U	1.41E-04
041M56A1	Chloroethane	1/24/1996	75003		0.0126		12.5	U	
041M56A1	Chloroform	1/24/1996	67663	5.59E+00	0.0126	7.04E+00	12.5	U	1.41E-04
041M56A1	Chloromethane	1/24/1996	74873	2.12E+00	0.0126	2.67E+00	12.5	U	3.71E-04
041M56A1	cis-1,3-Dichloropropene	1/24/1996	10061015		0.0126		12.5	U	
041M56A1	Dibromochloromethane	1/24/1996	124481		0.0126		12.5	U	
041M56A1	Ethylbenzene	1/24/1996	100414	9.64E+00	0.0126	1.21E+01	12.5	U	8.17E-05
041M56A1	Methylene chloride	1/24/1996	75092	3.73E+00	0.0126	4.70E+00	12.5	U	2.11E-04
041M56A1	Styrene	1/24/1996	100425	9.18E+00	0.0126	1.16E+01	12.5	U	8.58E-05
041M56A1	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.0126	1.11E+01	12.5	U	8.92E-05
041M56A1	Toluene	1/24/1996	108883	8.05E+00	0.0126	1.01E+01	12.5	U	9.78E-05
041M56A1	trans-1,3-Dichloropropene	1/24/1996	10061026		0.0126		12.5	U	
041M56A1	Trichloroethene	1/24/1996	79016	6.65E+00	0.0126	8.38E+00	12.5	U	1.18E-04
041M56A1	Vinyl chloride	1/24/1996	75014		0.0126		4	U	
041M56A1	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.0126	1.22E+01	12.5	U	8.12E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 22 Phase: 2 Wetland: 57 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M57010	1,1,1-Trichloroethane	11/29/1995	71556	6.50E+00	0.026	1.69E+01	10.5	U	2.39E-05
041M57010	1,1,2,2-Tetrachloroethane	11/29/1995	79345	8.13E+00	0.026	2.12E+01	10.5	U	1.91E-05
041M57010	1,1,2-Trichloroethane	11/29/1995	79005	6.24E+00	0.026	1.62E+01	10.5	U	2.49E-05
041M57010	1,1-Dichloroethane	11/29/1995	75343		0.026		10.5	U	
041M57010	1,1-Dichloroethene	11/29/1995	75354	4.65E+00	0.026	1.21E+01	10.5	U	3.34E-05
041M57010	1,2-Dichloroethane	11/29/1995	107062	4.43E+00	0.026	1.15E+01	10.5	U	3.51E-05
041M57010	1,2-Dichloroethene (total)	11/29/1995	540590	4.61E+00	0.026	1.20E+01	10.5	U	3.37E-05
041M57010	1,2-Dichloropropane	11/29/1995	78875	5.26E+00	0.026	1.37E+01	10.5	U	2.95E-05
041M57010	2-Butanone (MEK)	11/29/1995	78933	2.93E+00	0.026	7.61E+00	10.5	U	5.30E-05
041M57010	2-Hexanone	11/29/1995	591786	4.43E+00	0.026	1.15E+01	10.5	U	3.51E-05
041M57010	4-Methyl-2-Pentanone (MIBK)	11/29/1995	108101	4.38E+00	0.026	1.14E+01	10.5	U	3.54E-05
041M57010	Acetone	11/29/1995	67641	1.34E+01	0.026	3.48E+01	49		5.42E-05
041M57010	Benzene	11/29/1995	71432	6.46E+00	0.026	1.68E+01	10.5	U	2.40E-05
041M57010	Bromodichloromethane	11/29/1995	75274		0.026		10.5	U	
041M57010	Bromoform	11/29/1995	75252	1.22E+01	0.026	3.17E+01	10.5	U	1.27E-05
041M57010	Bromomethane	11/29/1995	74839	4.03E+00	0.026	1.05E+01	10.5	U	3.86E-05
041M57010	Carbon disulfide	11/29/1995	75150		0.026		10.5	U	
041M57010	Carbon tetrachloride	11/29/1995	56235	7.73E+00	0.026	2.01E+01	10.5	U	2.01E-05
041M57010	Chlorobenzene	11/29/1995	108907	5.59E+00	0.026	1.45E+01	10.5	U	2.78E-05
041M57010	Chloroethane	11/29/1995	75003		0.026		10.5	U	
041M57010	Chloroform	11/29/1995	67663	5.59E+00	0.026	1.45E+01	10.5	U	2.78E-05
041M57010	Chloromethane	11/29/1995	74873	2.12E+00	0.026	5.51E+00	10.5	U	7.32E-05
041M57010	cis-1,3-Dichloropropene	11/29/1995	10061015		0.026		10.5	U	
041M57010	Dibromochloromethane	11/29/1995	124481		0.026		10.5	U	
041M57010	Ethylbenzene	11/29/1995	100414	9.64E+00	0.026	2.51E+01	10.5	U	1.61E-05
041M57010	Methylene chloride	11/29/1995	75092	3.73E+00	0.026	9.69E+00	10.5	U	4.17E-05
041M57010	Styrene	11/29/1995	100425	9.18E+00	0.026	2.39E+01	10.5	U	1.69E-05
041M57010	Tetrachloroethene	11/29/1995	127184	8.83E+00	0.026	2.29E+01	10.5	U	1.76E-05
041M57010	Toluene	11/29/1995	108883	8.05E+00	0.026	2.09E+01	10.5	U	1.93E-05
041M57010	trans-1,3-Dichloropropene	11/29/1995	10061026		0.026		10.5	U	
041M57010	Trichloroethene	11/29/1995	79016	6.65E+00	0.026	1.73E+01	10.5	U	2.33E-05
041M57010	Vinyl chloride	11/29/1995	75014		0.026		3	U	
041M57010	Xylene (Total)	11/29/1995	1330207	9.70E+00	0.026	2.52E+01	10.5	U	1.60E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 23 Phase: 2 Wetland: 58 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M58010	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.00491	3.19E+00	28	U	1.79E-03
041M58010	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.00491	3.99E+00	28	U	1.43E-03
041M58010	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.00491	3.07E+00	28	U	1.86E-03
041M58010	1,1-Dichloroethane	1/24/1996	75343		0.00491		28	U	
041M58010	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.00491	2.28E+00	28	U	2.50E-03
041M58010	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.00491	2.17E+00	28	U	2.62E-03
041M58010	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.00491	2.26E+00	28	U	2.52E-03
041M58010	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.00491	2.58E+00	28	U	2.21E-03
041M58010	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.00491	1.44E+00	28	U	3.97E-03
041M58010	2-Hexanone	1/24/1996	591786	4.43E+00	0.00491	2.17E+00	28	U	2.62E-03
041M58010	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.00491	2.15E+00	28	U	2.65E-03
041M58010	Acetone	1/24/1996	67641	1.34E+01	0.00491	6.57E+00	520		1.61E-02
041M58010	Benzene	1/24/1996	71432	6.46E+00	0.00491	3.17E+00	28	U	1.80E-03
041M58010	Bromodichloromethane	1/24/1996	75274		0.00491		28	U	
041M58010	Bromoform	1/24/1996	75252	1.22E+01	0.00491	5.98E+00	28	U	9.53E-04
041M58010	Bromomethane	1/24/1996	74839	4.03E+00	0.00491	1.98E+00	28	U	2.88E-03
041M58010	Carbon disulfide	1/24/1996	75150		0.00491		28	U	
041M58010	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.00491	3.80E+00	28	U	1.50E-03
041M58010	Chlorobenzene	1/24/1996	108907	5.59E+00	0.00491	2.74E+00	28	U	2.08E-03
041M58010	Chloroethane	1/24/1996	75003		0.00491		28	U	
041M58010	Chloroform	1/24/1996	67663	5.59E+00	0.00491	2.74E+00	28	U	2.08E-03
041M58010	Chloromethane	1/24/1996	74873	2.12E+00	0.00491	1.04E+00	28	U	5.48E-03
041M58010	cis-1,3-Dichloropropene	1/24/1996	10061015		0.00491		28	U	
041M58010	Dibromochloromethane	1/24/1996	124481		0.00491		28	U	
041M58010	Ethylbenzene	1/24/1996	100414	9.64E+00	0.00491	4.73E+00	28	U	1.21E-03
041M58010	Methylene chloride	1/24/1996	75092	3.73E+00	0.00491	1.83E+00	28	U	3.11E-03
041M58010	Styrene	1/24/1996	100425	9.18E+00	0.00491	4.51E+00	28	U	1.27E-03
041M58010	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.00491	4.33E+00	28	U	1.32E-03
041M58010	Toluene	1/24/1996	108883	8.05E+00	0.00491	3.95E+00	28	U	1.44E-03
041M58010	trans-1,3-Dichloropropene	1/24/1996	10061026		0.00491		28	U	
041M58010	Trichloroethene	1/24/1996	79016	6.65E+00	0.00491	3.27E+00	28	U	1.75E-03
041M58010	Vinyl chloride	1/24/1996	75014		0.00491		8.5	U	
041M58010	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.00491	4.76E+00	28	U	1.20E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 24 Phase: 2 Wetland: 63A Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63A1	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.000873	5.68E-01	6	U	1.21E-02
041M63A1	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.000873	7.10E-01	6	U	9.68E-03
041M63A1	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.000873	5.45E-01	6	U	1.26E-02
041M63A1	1,1-Dichloroethane	1/18/1996	75343		0.000873		6	U	
041M63A1	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.000873	4.06E-01	6	U	1.69E-02
041M63A1	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.000873	3.87E-01	6	U	1.78E-02
041M63A1	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.000873	4.03E-01	6	U	1.71E-02
041M63A1	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.000873	4.60E-01	6	U	1.50E-02
041M63A1	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.000873	2.56E-01	6	U	2.69E-02
041M63A1	2-Hexanone	1/18/1996	591786	4.43E+00	0.000873	3.87E-01	6	U	1.78E-02
041M63A1	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.000873	3.83E-01	6	U	1.80E-02
041M63A1	Acetone	1/18/1996	67641	1.34E+01	0.000873	1.17E+00	6	UJ	5.88E-03
041M63A1	Benzene	1/18/1996	71432	6.46E+00	0.000873	5.64E-01	6	U	1.22E-02
041M63A1	Bromodichloromethane	1/18/1996	75274		0.000873		6	U	
041M63A1	Bromoform	1/18/1996	75252	1.22E+01	0.000873	1.06E+00	6	U	6.46E-03
041M63A1	Bromomethane	1/18/1996	74839	4.03E+00	0.000873	3.52E-01	6	U	1.95E-02
041M63A1	Carbon disulfide	1/18/1996	75150		0.000873		6	U	
041M63A1	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.000873	6.75E-01	6	U	1.02E-02
041M63A1	Chlorobenzene	1/18/1996	108907	5.59E+00	0.000873	4.88E-01	6	U	1.41E-02
041M63A1	Chloroethane	1/18/1996	75003		0.000873		6	U	
041M63A1	Chloroform	1/18/1996	67663	5.59E+00	0.000873	4.88E-01	6	U	1.41E-02
041M63A1	Chloromethane	1/18/1996	74873	2.12E+00	0.000873	1.85E-01	6	U	3.71E-02
041M63A1	cis-1,3-Dichloropropene	1/18/1996	10061015		0.000873		6	U	
041M63A1	Dibromochloromethane	1/18/1996	124481		0.000873		6	U	
041M63A1	Ethylbenzene	1/18/1996	100414	9.64E+00	0.000873	8.41E-01	6	U	8.17E-03
041M63A1	Methylene chloride	1/18/1996	75092	3.73E+00	0.000873	3.26E-01	6	U	2.11E-02
041M63A1	Styrene	1/18/1996	100425	9.18E+00	0.000873	8.01E-01	6	U	8.58E-03
041M63A1	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.000873	7.70E-01	6	U	8.92E-03
041M63A1	Toluene	1/18/1996	108883	8.05E+00	0.000873	7.03E-01	6	U	9.78E-03
041M63A1	trans-1,3-Dichloropropene	1/18/1996	10061026		0.000873		6	U	
041M63A1	Trichloroethene	1/18/1996	79016	6.65E+00	0.000873	5.81E-01	6	U	1.18E-02
041M63A1	Vinyl chloride	1/18/1996	75014		0.000873		2	U	
041M63A1	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.000873	8.46E-01	6	U	8.12E-03
041M63A2	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.00169	1.10E+00	6	U	3.23E-03
041M63A2	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.00169	1.37E+00	6	U	2.58E-03
041M63A2	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.00169	1.06E+00	6	U	3.37E-03
041M63A2	1,1-Dichloroethane	1/18/1996	75343		0.00169		6	U	
041M63A2	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.00169	7.86E-01	6	U	4.52E-03
041M63A2	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.00169	7.48E-01	6	U	4.74E-03
041M63A2	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.00169	7.80E-01	6	U	4.55E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 24 Phase: 2 Wetland: 63A Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63A2	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.00169	8.90E-01	6	U	3.99E-03
041M63A2	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.00169	4.95E-01	6	U	7.17E-03
041M63A2	2-Hexanone	1/18/1996	591786	4.43E+00	0.00169	7.49E-01	6	U	4.74E-03
041M63A2	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.00169	7.41E-01	6	U	4.79E-03
041M63A2	Acetone	1/18/1996	67641	1.34E+01	0.00169	2.26E+00	6	U	1.57E-03
041M63A2	Benzene	1/18/1996	71432	6.46E+00	0.00169	1.09E+00	6	U	3.25E-03
041M63A2	Bromodichloromethane	1/18/1996	75274		0.00169		6	U	
041M63A2	Bromoform	1/18/1996	75252	1.22E+01	0.00169	2.06E+00	6	U	1.72E-03
041M63A2	Bromomethane	1/18/1996	74839	4.03E+00	0.00169	6.81E-01	6	U	5.21E-03
041M63A2	Carbon disulfide	1/18/1996	75150		0.00169		6	U	
041M63A2	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.00169	1.31E+00	6	U	2.72E-03
041M63A2	Chlorobenzene	1/18/1996	108907	5.59E+00	0.00169	9.44E-01	6	U	3.76E-03
041M63A2	Chloroethane	1/18/1996	75003		0.00169		6	U	
041M63A2	Chloroform	1/18/1996	67663	5.59E+00	0.00169	9.44E-01	6	U	3.76E-03
041M63A2	Chloromethane	1/18/1996	74873	2.12E+00	0.00169	3.58E-01	6	U	9.90E-03
041M63A2	cis-1,3-Dichloropropene	1/18/1996	10061015		0.00169		6	U	
041M63A2	Dibromochloromethane	1/18/1996	124481		0.00169		6	U	
041M63A2	Ethylbenzene	1/18/1996	100414	9.64E+00	0.00169	1.63E+00	6	U	2.18E-03
041M63A2	Methylene chloride	1/18/1996	75092	3.73E+00	0.00169	6.30E-01	6	U	5.63E-03
041M63A2	Styrene	1/18/1996	100425	9.18E+00	0.00169	1.55E+00	6	U	2.29E-03
041M63A2	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.00169	1.49E+00	6	U	2.38E-03
041M63A2	Toluene	1/18/1996	108883	8.05E+00	0.00169	1.36E+00	6	U	2.61E-03
041M63A2	trans-1,3-Dichloropropene	1/18/1996	10061026		0.00169		6	U	
041M63A2	Trichloroethene	1/18/1996	79016	6.65E+00	0.00169	1.12E+00	6	U	3.16E-03
041M63A2	Vinyl chloride	1/18/1996	75014		0.00169		2	U	
041M63A2	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.00169	1.64E+00	6	U	2.17E-03
041M63A3	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.0423	2.75E+01	9.5	U	8.16E-06
041M63A3	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.0423	3.44E+01	9.5	UJ	6.53E-06
041M63A3	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.0423	2.64E+01	9.5	U	8.50E-06
041M63A3	1,1-Dichloroethane	1/18/1996	75343		0.0423		9.5	U	
041M63A3	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.0423	1.97E+01	9.5	U	1.14E-05
041M63A3	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.0423	1.87E+01	9.5	U	1.20E-05
041M63A3	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.0423	1.95E+01	9.5	U	1.15E-05
041M63A3	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.0423	2.23E+01	9.5	U	1.01E-05
041M63A3	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.0423	1.24E+01	9.5	U	1.81E-05
041M63A3	2-Hexanone	1/18/1996	591786	4.43E+00	0.0423	1.87E+01	9.5	UJ	1.20E-05
041M63A3	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.0423	1.85E+01	9.5	U	1.21E-05
041M63A3	Acetone	1/18/1996	67641	1.34E+01	0.0423	5.66E+01	9.5	U	3.97E-06
041M63A3	Benzene	1/18/1996	71432	6.46E+00	0.0423	2.73E+01	9.5	U	8.22E-06
041M63A3	Bromodichloromethane	1/18/1996	75274		0.0423		9.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 24 Phase: 2 Wetland: 63A Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63A3	Bromoform	1/18/1996	75252	1.22E+01	0.0423	5.15E+01	9.5	U	4.36E-06
041M63A3	Bromomethane	1/18/1996	74839	4.03E+00	0.0423	1.70E+01	9.5	U	1.32E-05
041M63A3	Carbon disulfide	1/18/1996	75150		0.0423		9.5	U	
041M63A3	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.0423	3.27E+01	9.5	U	6.87E-06
041M63A3	Chlorobenzene	1/18/1996	108907	5.59E+00	0.0423	2.36E+01	9.5	UJ	9.51E-06
041M63A3	Chloroethane	1/18/1996	75003		0.0423		9.5	U	
041M63A3	Chloroform	1/18/1996	67663	5.59E+00	0.0423	2.36E+01	9.5	U	9.50E-06
041M63A3	Chloromethane	1/18/1996	74873	2.12E+00	0.0423	8.97E+00	9.5	U	2.50E-05
041M63A3	cis-1,3-Dichloropropene	1/18/1996	10061015		0.0423		9.5	U	
041M63A3	Dibromochloromethane	1/18/1996	124481		0.0423		9.5	U	
041M63A3	Ethylbenzene	1/18/1996	100414	9.64E+00	0.0423	4.08E+01	9.5	UJ	5.51E-06
041M63A3	Methylene chloride	1/18/1996	75092	3.73E+00	0.0423	1.58E+01	9.5	U	1.42E-05
041M63A3	Styrene	1/18/1996	100425	9.18E+00	0.0423	3.88E+01	9.5	UJ	5.79E-06
041M63A3	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.0423	3.73E+01	9.5	UJ	6.02E-06
041M63A3	Toluene	1/18/1996	108883	8.05E+00	0.0423	3.40E+01	9.5	UJ	6.60E-06
041M63A3	trans-1,3-Dichloropropene	1/18/1996	10061026		0.0423		9.5	U	
041M63A3	Trichloroethene	1/18/1996	79016	6.65E+00	0.0423	2.81E+01	9.5	U	7.98E-06
041M63A3	Vinyl chloride	1/18/1996	75014		0.0423		3	U	
041M63A3	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.0423	4.10E+01	9.5	UJ	5.48E-06
041M63A4	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.00963	6.26E+00	9	U	1.49E-04
041M63A4	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.00963	7.83E+00	9	U	1.19E-04
041M63A4	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.00963	6.01E+00	9	U	1.55E-04
041M63A4	1,1-Dichloroethane	1/18/1996	75343		0.00963		9	U	
041M63A4	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.00963	4.48E+00	9	U	2.09E-04
041M63A4	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.00963	4.27E+00	9	U	2.19E-04
041M63A4	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.00963	4.44E+00	9	U	2.10E-04
041M63A4	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.00963	5.07E+00	9	U	1.84E-04
041M63A4	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.00963	2.82E+00	9	U	3.31E-04
041M63A4	2-Hexanone	1/18/1996	591786	4.43E+00	0.00963	4.27E+00	9	U	2.19E-04
041M63A4	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.00963	4.22E+00	9	U	2.21E-04
041M63A4	Acetone	1/18/1996	67641	1.34E+01	0.00963	1.29E+01	9	UJ	7.25E-05
041M63A4	Benzene	1/18/1996	71432	6.46E+00	0.00963	6.22E+00	9	U	1.50E-04
041M63A4	Bromodichloromethane	1/18/1996	75274		0.00963		9	U	
041M63A4	Bromoform	1/18/1996	75252	1.22E+01	0.00963	1.17E+01	9	U	7.97E-05
041M63A4	Bromomethane	1/18/1996	74839	4.03E+00	0.00963	3.88E+00	9	U	2.41E-04
041M63A4	Carbon disulfide	1/18/1996	75150		0.00963		9	U	
041M63A4	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.00963	7.45E+00	9	U	1.25E-04
041M63A4	Chlorobenzene	1/18/1996	108907	5.59E+00	0.00963	5.38E+00	9	U	1.74E-04
041M63A4	Chloroethane	1/18/1996	75003		0.00963		9	U	
041M63A4	Chloroform	1/18/1996	67663	5.59E+00	0.00963	5.38E+00	9	U	1.74E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 24 Phase: 2 Wetland: 63A Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63A4	Chloromethane	1/18/1996	74873	2.12E+00	0.00963	2.04E+00	9	U	4.58E-04
041M63A4	cis-1,3-Dichloropropene	1/18/1996	10061015		0.00963		9	U	
041M63A4	Dibromochloromethane	1/18/1996	124481		0.00963		9	U	
041M63A4	Ethylbenzene	1/18/1996	100414	9.64E+00	0.00963	9.28E+00	9	U	1.01E-04
041M63A4	Methylene chloride	1/18/1996	75092	3.73E+00	0.00963	3.59E+00	9	U	2.60E-04
041M63A4	Styrene	1/18/1996	100425	9.18E+00	0.00963	8.84E+00	9	U	1.06E-04
041M63A4	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.00963	8.50E+00	9	U	1.10E-04
041M63A4	Toluene	1/18/1996	108883	8.05E+00	0.00963	7.75E+00	9	U	1.21E-04
041M63A4	trans-1,3-Dichloropropene	1/18/1996	10061026		0.00963		9	U	
041M63A4	Trichloroethene	1/18/1996	79016	6.65E+00	0.00963	6.41E+00	9	U	1.46E-04
041M63A4	Vinyl chloride	1/18/1996	75014		0.00963		2.5	U	
041M63A4	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.00963	9.34E+00	9	U	1.00E-04
041M63A5	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.00165	1.07E+00	6.5	U	3.67E-03
041M63A5	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.00165	1.34E+00	6.5	U	2.93E-03
041M63A5	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.00165	1.03E+00	6.5	U	3.82E-03
041M63A5	1,1-Dichloroethane	1/18/1996	75343		0.00165		6.5	U	
041M63A5	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.00165	7.67E-01	6.5	U	5.14E-03
041M63A5	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.00165	7.31E-01	6.5	U	5.39E-03
041M63A5	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.00165	7.61E-01	6.5	U	5.18E-03
041M63A5	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.00165	8.69E-01	6.5	U	4.54E-03
041M63A5	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.00165	4.83E-01	6.5	U	8.15E-03
041M63A5	2-Hexanone	1/18/1996	591786	4.43E+00	0.00165	7.31E-01	6.5	U	5.39E-03
041M63A5	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.00165	7.23E-01	6.5	U	5.45E-03
041M63A5	Acetone	1/18/1996	67641	1.34E+01	0.00165	2.21E+00	6.5	UJ	1.78E-03
041M63A5	Benzene	1/18/1996	71432	6.46E+00	0.00165	1.07E+00	6.5	U	3.69E-03
041M63A5	Bromodichloromethane	1/18/1996	75274		0.00165		6.5	U	
041M63A5	Bromoform	1/18/1996	75252	1.22E+01	0.00165	2.01E+00	6.5	U	1.96E-03
041M63A5	Bromomethane	1/18/1996	74839	4.03E+00	0.00165	6.65E-01	6.5	U	5.93E-03
041M63A5	Carbon disulfide	1/18/1996	75150		0.00165		6.5	U	
041M63A5	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.00165	1.28E+00	6.5	U	3.09E-03
041M63A5	Chlorobenzene	1/18/1996	108907	5.59E+00	0.00165	9.22E-01	6.5	U	4.27E-03
041M63A5	Chloroethane	1/18/1996	75003		0.00165		6.5	U	
041M63A5	Chloroform	1/18/1996	67663	5.59E+00	0.00165	9.22E-01	6.5	U	4.27E-03
041M63A5	Chloromethane	1/18/1996	74873	2.12E+00	0.00165	3.50E-01	6.5	U	1.13E-02
041M63A5	cis-1,3-Dichloropropene	1/18/1996	10061015		0.00165		6.5	U	
041M63A5	Dibromochloromethane	1/18/1996	124481		0.00165		6.5	U	
041M63A5	Ethylbenzene	1/18/1996	100414	9.64E+00	0.00165	1.59E+00	6.5	U	2.48E-03
041M63A5	Methylene chloride	1/18/1996	75092	3.73E+00	0.00165	6.15E-01	6.5	U	6.40E-03
041M63A5	Styrene	1/18/1996	100425	9.18E+00	0.00165	1.51E+00	6.5	U	2.60E-03
041M63A5	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.00165	1.46E+00	6.5	U	2.71E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 24 Phase: 2 Wetland: 63A Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63A5	Toluene	1/18/1996	108883	8.05E+00	0.00165	1.33E+00	6.5	U	2.97E-03
041M63A5	trans-1,3-Dichloropropene	1/18/1996	10061026		0.00165		6.5	U	
041M63A5	Trichloroethene	1/18/1996	79016	6.65E+00	0.00165	1.10E+00	6.5	U	3.59E-03
041M63A5	Vinyl chloride	1/18/1996	75014		0.00165		2	U	
041M63A5	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.00165	1.60E+00	6.5	U	2.46E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 25 Phase: 2 Wetland: 63B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63B1	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.0252	1.64E+01	12	U	2.90E-05
041M63B1	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.0252	2.05E+01	12	U	2.32E-05
041M63B1	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.0252	1.57E+01	12	U	3.03E-05
041M63B1	1,1-Dichloroethane	1/18/1996	75343		0.0252		12	U	
041M63B1	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.0252	1.17E+01	12	U	4.06E-05
041M63B1	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.0252	1.12E+01	12	U	4.27E-05
041M63B1	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.0252	1.16E+01	12	U	4.10E-05
041M63B1	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.0252	1.33E+01	12	U	3.59E-05
041M63B1	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.0252	7.38E+00	12	U	6.45E-05
041M63B1	2-Hexanone	1/18/1996	591786	4.43E+00	0.0252	1.12E+01	12	U	4.27E-05
041M63B1	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.0252	1.10E+01	12	U	4.31E-05
041M63B1	Acetone	1/18/1996	67641	1.34E+01	0.0252	3.37E+01	12	U	1.41E-05
041M63B1	Benzene	1/18/1996	71432	6.46E+00	0.0252	1.63E+01	12	U	2.92E-05
041M63B1	Bromodichloromethane	1/18/1996	75274		0.0252		12	U	
041M63B1	Bromoform	1/18/1996	75252	1.22E+01	0.0252	3.07E+01	12	U	1.55E-05
041M63B1	Bromomethane	1/18/1996	74839	4.03E+00	0.0252	1.02E+01	12	U	4.69E-05
041M63B1	Carbon disulfide	1/18/1996	75150		0.0252		12	U	
041M63B1	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.0252	1.95E+01	12	U	2.44E-05
041M63B1	Chlorobenzene	1/18/1996	108907	5.59E+00	0.0252	1.41E+01	12	U	3.38E-05
041M63B1	Chloroethane	1/18/1996	75003		0.0252		12	U	
041M63B1	Chloroform	1/18/1996	67663	5.59E+00	0.0252	1.41E+01	12	U	3.38E-05
041M63B1	Chloromethane	1/18/1996	74873	2.12E+00	0.0252	5.35E+00	12	U	8.91E-05
041M63B1	cis-1,3-Dichloropropene	1/18/1996	10061015		0.0252		12	U	
041M63B1	Dibromochloromethane	1/18/1996	124481		0.0252		12	U	
041M63B1	Ethylbenzene	1/18/1996	100414	9.64E+00	0.0252	2.43E+01	12	U	1.96E-05
041M63B1	Methylene chloride	1/18/1996	75092	3.73E+00	0.0252	9.40E+00	12	U	5.07E-05
041M63B1	Styrene	1/18/1996	100425	9.18E+00	0.0252	2.31E+01	12	U	2.06E-05
041M63B1	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.0252	2.22E+01	12	U	2.14E-05
041M63B1	Toluene	1/18/1996	108883	8.05E+00	0.0252	2.03E+01	12	U	2.35E-05
041M63B1	trans-1,3-Dichloropropene	1/18/1996	10061026		0.0252		12	U	
041M63B1	Trichloroethene	1/18/1996	79016	6.65E+00	0.0252	1.68E+01	12	U	2.84E-05
041M63B1	Vinyl chloride	1/18/1996	75014		0.0252		3.5	U	
041M63B1	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.0252	2.44E+01	12	U	1.95E-05
041M63B2	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.0024	1.56E+00	7.5	U	2.00E-03
041M63B2	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.0024	1.95E+00	7.5	U	1.60E-03
041M63B2	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.0024	1.50E+00	7.5	U	2.09E-03
041M63B2	1,1-Dichloroethane	1/18/1996	75343		0.0024		7.5	U	
041M63B2	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.0024	1.12E+00	7.5	U	2.80E-03
041M63B2	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.0024	1.06E+00	7.5	U	2.94E-03
041M63B2	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.0024	1.11E+00	7.5	U	2.82E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 25 Phase: 2 Wetland: 63B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63B2	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.0024	1.26E+00	7.5	U	2.47E-03
041M63B2	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.0024	7.03E-01	7.5	U	4.45E-03
041M63B2	2-Hexanone	1/18/1996	591786	4.43E+00	0.0024	1.06E+00	7.5	U	2.94E-03
041M63B2	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.0024	1.05E+00	7.5	U	2.97E-03
041M63B2	Acetone	1/18/1996	67641	1.34E+01	0.0024	3.21E+00	29.5	U	3.83E-03
041M63B2	Benzene	1/18/1996	71432	6.46E+00	0.0024	1.55E+00	7.5	U	2.02E-03
041M63B2	Bromodichloromethane	1/18/1996	75274		0.0024		7.5	U	
041M63B2	Bromoform	1/18/1996	75252	1.22E+01	0.0024	2.92E+00	7.5	U	1.07E-03
041M63B2	Bromomethane	1/18/1996	74839	4.03E+00	0.0024	9.67E-01	7.5	U	3.23E-03
041M63B2	Carbon disulfide	1/18/1996	75150		0.0024		7.5	U	
041M63B2	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.0024	1.86E+00	7.5	U	1.68E-03
041M63B2	Chlorobenzene	1/18/1996	108907	5.59E+00	0.0024	1.34E+00	7.5	U	2.33E-03
041M63B2	Chloroethane	1/18/1996	75003		0.0024		7.5	U	
041M63B2	Chloroform	1/18/1996	67663	5.59E+00	0.0024	1.34E+00	7.5	U	2.33E-03
041M63B2	Chloromethane	1/18/1996	74873	2.12E+00	0.0024	5.09E-01	7.5	U	6.14E-03
041M63B2	cis-1,3-Dichloropropene	1/18/1996	10061015		0.0024		7.5	U	
041M63B2	Dibromochloromethane	1/18/1996	124481		0.0024		7.5	U	
041M63B2	Ethylbenzene	1/18/1996	100414	9.64E+00	0.0024	2.31E+00	7.5	U	1.35E-03
041M63B2	Methylene chloride	1/18/1996	75092	3.73E+00	0.0024	8.95E-01	7.5	U	3.49E-03
041M63B2	Styrene	1/18/1996	100425	9.18E+00	0.0024	2.20E+00	7.5	U	1.42E-03
041M63B2	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.0024	2.12E+00	7.5	U	1.48E-03
041M63B2	Toluene	1/18/1996	108883	8.05E+00	0.0024	1.93E+00	7.5	U	1.62E-03
041M63B2	trans-1,3-Dichloropropene	1/18/1996	10061026		0.0024		7.5	U	
041M63B2	Trichloroethene	1/18/1996	79016	6.65E+00	0.0024	1.60E+00	7.5	U	1.96E-03
041M63B2	Vinyl chloride	1/18/1996	75014		0.0024		2	U	
041M63B2	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.0024	2.33E+00	7.5	U	1.34E-03
041M63B3	1,1,1-Trichloroethane	1/18/1996	71556	6.50E+00	0.00143	9.30E-01	6.5	U	4.89E-03
041M63B3	1,1,2,2-Tetrachloroethane	1/18/1996	79345	8.13E+00	0.00143	1.16E+00	6.5	U	3.91E-03
041M63B3	1,1,2-Trichloroethane	1/18/1996	79005	6.24E+00	0.00143	8.93E-01	6.5	U	5.09E-03
041M63B3	1,1-Dichloroethane	1/18/1996	75343		0.00143		6.5	U	
041M63B3	1,1-Dichloroethene	1/18/1996	75354	4.65E+00	0.00143	6.65E-01	6.5	U	6.84E-03
041M63B3	1,2-Dichloroethane	1/18/1996	107062	4.43E+00	0.00143	6.33E-01	6.5	U	7.18E-03
041M63B3	1,2-Dichloroethene (total)	1/18/1996	540590	4.61E+00	0.00143	6.60E-01	6.5	U	6.89E-03
041M63B3	1,2-Dichloropropane	1/18/1996	78875	5.26E+00	0.00143	7.53E-01	6.5	U	6.04E-03
041M63B3	2-Butanone (MEK)	1/18/1996	78933	2.93E+00	0.00143	4.19E-01	6.5	U	1.09E-02
041M63B3	2-Hexanone	1/18/1996	591786	4.43E+00	0.00143	6.33E-01	6.5	U	7.18E-03
041M63B3	4-Methyl-2-Pentanone (MIBK)	1/18/1996	108101	4.38E+00	0.00143	6.27E-01	6.5	U	7.25E-03
041M63B3	Acetone	1/18/1996	67641	1.34E+01	0.00143	1.91E+00	22.5	U	8.22E-03
041M63B3	Benzene	1/18/1996	71432	6.46E+00	0.00143	9.24E-01	6.5	U	4.92E-03
041M63B3	Bromodichloromethane	1/18/1996	75274		0.00143		6.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 25 Phase: 2 Wetland: 63B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63B3	Bromoform	1/18/1996	75252	1.22E+01	0.00143	1.74E+00	6.5	U	2.61E-03
041M63B3	Bromomethane	1/18/1996	74839	4.03E+00	0.00143	5.76E-01	6.5	U	7.89E-03
041M63B3	Carbon disulfide	1/18/1996	75150		0.00143		6.5	U	
041M63B3	Carbon tetrachloride	1/18/1996	56235	7.73E+00	0.00143	1.11E+00	6.5	U	4.11E-03
041M63B3	Chlorobenzene	1/18/1996	108907	5.59E+00	0.00143	7.99E-01	6.5	U	5.69E-03
041M63B3	Chloroethane	1/18/1996	75003		0.00143		6.5	U	
041M63B3	Chloroform	1/18/1996	67663	5.59E+00	0.00143	7.99E-01	6.5	U	5.69E-03
041M63B3	Chloromethane	1/18/1996	74873	2.12E+00	0.00143	3.03E-01	6.5	U	1.50E-02
041M63B3	cis-1,3-Dichloropropene	1/18/1996	10061015		0.00143		6.5	U	
041M63B3	Dibromochloromethane	1/18/1996	124481		0.00143		6.5	U	
041M63B3	Ethylbenzene	1/18/1996	100414	9.64E+00	0.00143	1.38E+00	6.5	U	3.30E-03
041M63B3	Methylene chloride	1/18/1996	75092	3.73E+00	0.00143	5.33E-01	6.5	U	8.53E-03
041M63B3	Styrene	1/18/1996	100425	9.18E+00	0.00143	1.31E+00	6.5	U	3.46E-03
041M63B3	Tetrachloroethene	1/18/1996	127184	8.83E+00	0.00143	1.26E+00	6.5	U	3.60E-03
041M63B3	Toluene	1/18/1996	108883	8.05E+00	0.00143	1.15E+00	6.5	U	3.95E-03
041M63B3	trans-1,3-Dichloropropene	1/18/1996	10061026		0.00143		6.5	U	
041M63B3	Trichloroethene	1/18/1996	79016	6.65E+00	0.00143	9.51E-01	6.5	U	4.78E-03
041M63B3	Vinyl chloride	1/18/1996	75014		0.00143		2	U	
041M63B3	Xylene (Total)	1/18/1996	1330207	9.70E+00	0.00143	1.39E+00	6.5	U	3.28E-03
041M63B4	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.00295	1.92E+00	7	U	1.24E-03
041M63B4	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.00295	2.40E+00	7	U	9.89E-04
041M63B4	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.00295	1.84E+00	7	U	1.29E-03
041M63B4	1,1-Dichloroethane	1/24/1996	75343		0.00295		7	U	
041M63B4	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.00295	1.37E+00	7	U	1.73E-03
041M63B4	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.00295	1.31E+00	7	U	1.82E-03
041M63B4	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.00295	1.36E+00	7	U	1.74E-03
041M63B4	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.00295	1.55E+00	7	U	1.53E-03
041M63B4	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.00295	8.64E-01	7	U	2.75E-03
041M63B4	2-Hexanone	1/24/1996	591786	4.43E+00	0.00295	1.31E+00	7	U	1.82E-03
041M63B4	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.00295	1.29E+00	7	U	1.84E-03
041M63B4	Acetone	1/24/1996	67641	1.34E+01	0.00295	3.95E+00	7	U	6.01E-04
041M63B4	Benzene	1/24/1996	71432	6.46E+00	0.00295	1.91E+00	7	U	1.24E-03
041M63B4	Bromodichloromethane	1/24/1996	75274		0.00295		7	U	
041M63B4	Bromoform	1/24/1996	75252	1.22E+01	0.00295	3.59E+00	7	U	6.60E-04
041M63B4	Bromomethane	1/24/1996	74839	4.03E+00	0.00295	1.19E+00	7	U	2.00E-03
041M63B4	Carbon disulfide	1/24/1996	75150		0.00295		7	U	
041M63B4	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.00295	2.28E+00	7	U	1.04E-03
041M63B4	Chlorobenzene	1/24/1996	108907	5.59E+00	0.00295	1.65E+00	7	U	1.44E-03
041M63B4	Chloroethane	1/24/1996	75003		0.00295		7	U	
041M63B4	Chloroform	1/24/1996	67663	5.59E+00	0.00295	1.65E+00	7	U	1.44E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 25 Phase: 2 Wetland: 63B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M63B4	Chloromethane	1/24/1996	74873	2.12E+00	0.00295	6.26E-01	7	U	3.79E-03
041M63B4	cis-1,3-Dichloropropene	1/24/1996	10061015		0.00295		7	U	
041M63B4	Dibromochloromethane	1/24/1996	124481		0.00295		7	U	
041M63B4	Ethylbenzene	1/24/1996	100414	9.64E+00	0.00295	2.84E+00	7	U	8.35E-04
041M63B4	Methylene chloride	1/24/1996	75092	3.73E+00	0.00295	1.10E+00	7	U	2.16E-03
041M63B4	Styrene	1/24/1996	100425	9.18E+00	0.00295	2.71E+00	7	U	8.77E-04
041M63B4	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.00295	2.60E+00	7	U	9.11E-04
041M63B4	Toluene	1/24/1996	108883	8.05E+00	0.00295	2.37E+00	7	U	1.00E-03
041M63B4	trans-1,3-Dichloropropene	1/24/1996	10061026		0.00295		7	U	
041M63B4	Trichloroethene	1/24/1996	79016	6.65E+00	0.00295	1.96E+00	7	U	1.21E-03
041M63B4	Vinyl chloride	1/24/1996	75014		0.00295		2	U	
041M63B4	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.00295	2.86E+00	7	U	8.30E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64010	1,1,1-Trichloroethane	2/9/1996	71556	6.50E+00	0.00752	4.89E+00	8	U	2.17E-04
041M64010	1,1,2,2-Tetrachloroethane	2/9/1996	79345	8.13E+00	0.00752	6.12E+00	8	U	1.74E-04
041M64010	1,1,2-Trichloroethane	2/9/1996	79005	6.24E+00	0.00752	4.69E+00	8	U	2.27E-04
041M64010	1,1-Dichloroethane	2/9/1996	75343		0.00752		8	U	
041M64010	1,1-Dichloroethene	2/9/1996	75354	4.65E+00	0.00752	3.50E+00	8	U	3.04E-04
041M64010	1,2-Dichloroethane	2/9/1996	107062	4.43E+00	0.00752	3.33E+00	8	U	3.19E-04
041M64010	1,2-Dichloroethene (total)	2/9/1996	540590	4.61E+00	0.00752	3.47E+00	8	U	3.07E-04
041M64010	1,2-Dichloropropane	2/9/1996	78875	5.26E+00	0.00752	3.96E+00	8	U	2.69E-04
041M64010	2-Butanone (MEK)	2/9/1996	78933	2.93E+00	0.00752	2.20E+00	8	U	4.83E-04
041M64010	2-Hexanone	2/9/1996	591786	4.43E+00	0.00752	3.33E+00	8	U	3.19E-04
041M64010	4-Methyl-2-Pentanone (MIBK)	2/9/1996	108101	4.38E+00	0.00752	3.30E+00	8	U	3.23E-04
041M64010	Acetone	2/9/1996	67641	1.34E+01	0.00752	1.01E+01	9.5	U	1.26E-04
041M64010	Benzene	2/9/1996	71432	6.46E+00	0.00752	4.86E+00	8	U	2.19E-04
041M64010	Bromodichloromethane	2/9/1996	75274		0.00752		8	U	
041M64010	Bromoform	2/9/1996	75252	1.22E+01	0.00752	9.16E+00	8	U	1.16E-04
041M64010	Bromomethane	2/9/1996	74839	4.03E+00	0.00752	3.03E+00	8	U	3.51E-04
041M64010	Carbon disulfide	2/9/1996	75150		0.00752		8	U	
041M64010	Carbon tetrachloride	2/9/1996	56235	7.73E+00	0.00752	5.82E+00	8	U	1.83E-04
041M64010	Chlorobenzene	2/9/1996	108907	5.59E+00	0.00752	4.20E+00	8	U	2.53E-04
041M64010	Chloroethane	2/9/1996	75003		0.00752		8	U	
041M64010	Chloroform	2/9/1996	67663	5.59E+00	0.00752	4.20E+00	8	U	2.53E-04
041M64010	Chloromethane	2/9/1996	74873	2.12E+00	0.00752	1.60E+00	8	U	6.67E-04
041M64010	cis-1,3-Dichloropropene	2/9/1996	10061015		0.00752		8	U	
041M64010	Dibromochloromethane	2/9/1996	124481		0.00752		8	U	
041M64010	Ethylbenzene	2/9/1996	100414	9.64E+00	0.00752	7.25E+00	8	U	1.47E-04
041M64010	Methylene chloride	2/9/1996	75092	3.73E+00	0.00752	2.80E+00	8	U	3.79E-04
041M64010	Styrene	2/9/1996	100425	9.18E+00	0.00752	6.90E+00	8	U	1.54E-04
041M64010	Tetrachloroethene	2/9/1996	127184	8.83E+00	0.00752	6.64E+00	8	U	1.60E-04
041M64010	Toluene	2/9/1996	108883	8.05E+00	0.00752	6.05E+00	8	U	1.76E-04
041M64010	trans-1,3-Dichloropropene	2/9/1996	10061026		0.00752		8	U	
041M64010	Trichloroethene	2/9/1996	79016	6.65E+00	0.00752	5.00E+00	8	U	2.13E-04
041M64010	Vinyl chloride	2/9/1996	75014		0.00752		2.5	U	
041M64010	Xylene (Total)	2/9/1996	1330207	9.70E+00	0.00752	7.29E+00	8	U	1.46E-04
041M64020	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.0442	2.88E+01	6000	U	4.72E-03
041M64020	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.0442	3.60E+01	6000	U	3.78E-03
041M64020	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.0442	2.76E+01	6000	U	4.92E-03
041M64020	1,1-Dichloroethane	11/15/1995	75343		0.0442		6000	U	
041M64020	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.0442	2.05E+01	6000	U	6.61E-03
041M64020	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.0442	1.96E+01	6000	U	6.93E-03
041M64020	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.0442	2.04E+01	6000	U	6.66E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64020	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.0442	2.33E+01	6000	U	5.83E-03
041M64020	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.0442	1.29E+01	6000	U	1.05E-02
041M64020	2-Hexanone	11/15/1995	591786	4.43E+00	0.0442	1.96E+01	6000	U	6.93E-03
041M64020	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.0442	1.94E+01	6000	U	7.01E-03
041M64020	Acetone	11/15/1995	67641	1.34E+01	0.0442	5.92E+01	6000	U	2.29E-03
041M64020	Benzene	11/15/1995	71432	6.46E+00	0.0442	2.86E+01	6000	U	4.75E-03
041M64020	Bromodichloromethane	11/15/1995	75274		0.0442		6000	U	
041M64020	Bromoform	11/15/1995	75252	1.22E+01	0.0442	5.39E+01	6000	U	2.52E-03
041M64020	Bromomethane	11/15/1995	74839	4.03E+00	0.0442	1.78E+01	6000	U	7.62E-03
041M64020	Carbon disulfide	11/15/1995	75150		0.0442		3100	U	
041M64020	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.0442	3.42E+01	6000	U	3.97E-03
041M64020	Chlorobenzene	11/15/1995	108907	5.59E+00	0.0442	2.47E+01	6000	U	5.50E-03
041M64020	Chloroethane	11/15/1995	75003		0.0442		6000	U	
041M64020	Chloroform	11/15/1995	67663	5.59E+00	0.0442	2.47E+01	6000	U	5.50E-03
041M64020	Chloromethane	11/15/1995	74873	2.12E+00	0.0442	9.38E+00	6000	U	1.45E-02
041M64020	cis-1,3-Dichloropropene	11/15/1995	10061015		0.0442		6000	U	
041M64020	Dibromochloromethane	11/15/1995	124481		0.0442		6000	U	
041M64020	Ethylbenzene	11/15/1995	100414	9.64E+00	0.0442	4.26E+01	6000	U	3.19E-03
041M64020	Methylene chloride	11/15/1995	75092	3.73E+00	0.0442	1.65E+01	7000	U	9.61E-03
041M64020	Styrene	11/15/1995	100425	9.18E+00	0.0442	4.06E+01	6000	U	3.35E-03
041M64020	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.0442	3.90E+01	6000	U	3.48E-03
041M64020	Toluene	11/15/1995	108883	8.05E+00	0.0442	3.56E+01	6000	U	3.82E-03
041M64020	trans-1,3-Dichloropropene	11/15/1995	10061026		0.0442		6000	U	
041M64020	Trichloroethene	11/15/1995	79016	6.65E+00	0.0442	2.94E+01	6000	U	4.62E-03
041M64020	Vinyl chloride	11/15/1995	75014		0.0442		6000	U	
041M64020	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.0442	4.29E+01	6000	U	3.17E-03
041M64030	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.194	1.26E+02	70	U	2.86E-06
041M64030	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.194	1.58E+02	70	UJ	2.29E-06
041M64030	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.194	1.21E+02	70	U	2.98E-06
041M64030	1,1-Dichloroethane	11/15/1995	75343		0.194		70	U	
041M64030	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.194	9.02E+01	70	U	4.00E-06
041M64030	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.194	8.59E+01	70	U	4.20E-06
041M64030	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.194	8.95E+01	70	U	4.03E-06
041M64030	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.194	1.02E+02	70	U	3.53E-06
041M64030	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.194	5.68E+01	70	U	6.35E-06
041M64030	2-Hexanone	11/15/1995	591786	4.43E+00	0.194	8.59E+01	70	UJ	4.20E-06
041M64030	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.194	8.50E+01	70	UJ	4.24E-06
041M64030	Acetone	11/15/1995	67641	1.34E+01	0.194	2.60E+02	390	J	7.74E-06
041M64030	Benzene	11/15/1995	71432	6.46E+00	0.194	1.25E+02	70	U	2.88E-06
041M64030	Bromodichloromethane	11/15/1995	75274		0.194		70	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64030	Bromoform	11/15/1995	75252	1.22E+01	0.194	2.36E+02	70	U	1.53E-06
041M64030	Bromomethane	11/15/1995	74839	4.03E+00	0.194	7.82E+01	70	U	4.62E-06
041M64030	Carbon disulfide	11/15/1995	75150		0.194		70	U	
041M64030	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.194	1.50E+02	70	U	2.40E-06
041M64030	Chlorobenzene	11/15/1995	108907	5.59E+00	0.194	1.08E+02	70	UJ	3.33E-06
041M64030	Chloroethane	11/15/1995	75003		0.194		70	U	
041M64030	Chloroform	11/15/1995	67663	5.59E+00	0.194	1.08E+02	70	U	3.33E-06
041M64030	Chloromethane	11/15/1995	74873	2.12E+00	0.194	4.12E+01	70	U	8.77E-06
041M64030	cis-1,3-Dichloropropene	11/15/1995	10061015		0.194		70	U	
041M64030	Dibromochloromethane	11/15/1995	124481		0.194		70	U	
041M64030	Ethylbenzene	11/15/1995	100414	9.64E+00	0.194	1.87E+02	70	UJ	1.93E-06
041M64030	Methylene chloride	11/15/1995	75092	3.73E+00	0.194	7.23E+01	70	U	4.99E-06
041M64030	Styrene	11/15/1995	100425	9.18E+00	0.194	1.78E+02	70	UJ	2.03E-06
041M64030	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.194	1.71E+02	70	UJ	2.11E-06
041M64030	Toluene	11/15/1995	108883	8.05E+00	0.194	1.56E+02	70	UJ	2.31E-06
041M64030	trans-1,3-Dichloropropene	11/15/1995	10061026		0.194		70	U	
041M64030	Trichloroethene	11/15/1995	79016	6.65E+00	0.194	1.29E+02	70	U	2.80E-06
041M64030	Vinyl chloride	11/15/1995	75014		0.194		21.5	U	
041M64030	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.194	1.88E+02	70	UJ	1.92E-06
041M64040	1,1,1-Trichloroethane	2/9/1996	71556	6.50E+00	0.187	1.22E+02	17	U	7.47E-07
041M64040	1,1,2,2-Tetrachloroethane	2/9/1996	79345	8.13E+00	0.187	1.52E+02	17	U	5.98E-07
041M64040	1,1,2-Trichloroethane	2/9/1996	79005	6.24E+00	0.187	1.17E+02	17	U	7.79E-07
041M64040	1,1-Dichloroethane	2/9/1996	75343		0.187		17	U	
041M64040	1,1-Dichloroethene	2/9/1996	75354	4.65E+00	0.187	8.69E+01	17	U	1.05E-06
041M64040	1,2-Dichloroethane	2/9/1996	107062	4.43E+00	0.187	8.28E+01	17	U	1.10E-06
041M64040	1,2-Dichloroethene (total)	2/9/1996	540590	4.61E+00	0.187	8.63E+01	17	U	1.05E-06
041M64040	1,2-Dichloropropane	2/9/1996	78875	5.26E+00	0.187	9.84E+01	17	U	9.23E-07
041M64040	2-Butanone (MEK)	2/9/1996	78933	2.93E+00	0.187	5.48E+01	17	U	1.66E-06
041M64040	2-Hexanone	2/9/1996	591786	4.43E+00	0.187	8.28E+01	17	U	1.10E-06
041M64040	4-Methyl-2-Pentanone (MIBK)	2/9/1996	108101	4.38E+00	0.187	8.20E+01	17	U	1.11E-06
041M64040	Acetone	2/9/1996	67641	1.34E+01	0.187	2.50E+02	17	U	3.63E-07
041M64040	Benzene	2/9/1996	71432	6.46E+00	0.187	1.21E+02	17	U	7.52E-07
041M64040	Bromodichloromethane	2/9/1996	75274		0.187		17	U	
041M64040	Bromoform	2/9/1996	75252	1.22E+01	0.187	2.28E+02	17	U	3.99E-07
041M64040	Bromomethane	2/9/1996	74839	4.03E+00	0.187	7.53E+01	17	U	1.21E-06
041M64040	Carbon disulfide	2/9/1996	75150		0.187		17	U	
041M64040	Carbon tetrachloride	2/9/1996	56235	7.73E+00	0.187	1.45E+02	17	U	6.29E-07
041M64040	Chlorobenzene	2/9/1996	108907	5.59E+00	0.187	1.04E+02	48		2.46E-06
041M64040	Chloroethane	2/9/1996	75003		0.187		17	U	
041M64040	Chloroform	2/9/1996	67663	5.59E+00	0.187	1.04E+02	17	U	8.70E-07

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64040	Chloromethane	2/9/1996	74873	2.12E+00	0.187	3.97E+01	17	U	2.29E-06
041M64040	cis-1,3-Dichloropropene	2/9/1996	10061015		0.187		17	U	
041M64040	Dibromochloromethane	2/9/1996	124481		0.187		17	U	
041M64040	Ethylbenzene	2/9/1996	100414	9.64E+00	0.187	1.80E+02	17	U	5.04E-07
041M64040	Methylene chloride	2/9/1996	75092	3.73E+00	0.187	6.97E+01	17	U	1.30E-06
041M64040	Styrene	2/9/1996	100425	9.18E+00	0.187	1.72E+02	17	U	5.30E-07
041M64040	Tetrachloroethene	2/9/1996	127184	8.83E+00	0.187	1.65E+02	17	U	5.51E-07
041M64040	Toluene	2/9/1996	108883	8.05E+00	0.187	1.50E+02	17	U	6.04E-07
041M64040	trans-1,3-Dichloropropene	2/9/1996	10061026		0.187		17	U	
041M64040	Trichloroethene	2/9/1996	79016	6.65E+00	0.187	1.24E+02	17	U	7.31E-07
041M64040	Vinyl chloride	2/9/1996	75014		0.187		5	U	
041M64040	Xylene (Total)	2/9/1996	1330207	9.70E+00	0.187	1.81E+02	17	U	5.01E-07
041M64050	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.0835	5.43E+01	13	U	2.87E-06
041M64050	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.0835	6.79E+01	13	U	2.29E-06
041M64050	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.0835	5.21E+01	13	U	2.99E-06
041M64050	1,1-Dichloroethane	11/15/1995	75343		0.0835		13	U	
041M64050	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.0835	3.88E+01	13	U	4.01E-06
041M64050	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.0835	3.70E+01	13	U	4.21E-06
041M64050	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.0835	3.85E+01	13	U	4.04E-06
041M64050	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.0835	4.40E+01	13	U	3.54E-06
041M64050	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.0835	2.45E+01	13	U	6.37E-06
041M64050	2-Hexanone	11/15/1995	591786	4.43E+00	0.0835	3.70E+01	13	UJ	4.21E-06
041M64050	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.0835	3.66E+01	13	U	4.25E-06
041M64050	Acetone	11/15/1995	67641	1.34E+01	0.0835	1.12E+02	13	U	1.39E-06
041M64050	Benzene	11/15/1995	71432	6.46E+00	0.0835	5.40E+01	13	U	2.89E-06
041M64050	Bromodichloromethane	11/15/1995	75274		0.0835		13	U	
041M64050	Bromoform	11/15/1995	75252	1.22E+01	0.0835	1.02E+02	13	U	1.53E-06
041M64050	Bromomethane	11/15/1995	74839	4.03E+00	0.0835	3.36E+01	13	U	4.63E-06
041M64050	Carbon disulfide	11/15/1995	75150		0.0835		13	U	
041M64050	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.0835	6.46E+01	13	U	2.41E-06
041M64050	Chlorobenzene	11/15/1995	108907	5.59E+00	0.0835	4.66E+01	13	U	3.34E-06
041M64050	Chloroethane	11/15/1995	75003		0.0835		13	U	
041M64050	Chloroform	11/15/1995	67663	5.59E+00	0.0835	4.66E+01	13	U	3.34E-06
041M64050	Chloromethane	11/15/1995	74873	2.12E+00	0.0835	1.77E+01	13	U	8.79E-06
041M64050	cis-1,3-Dichloropropene	11/15/1995	10061015		0.0835		13	U	
041M64050	Dibromochloromethane	11/15/1995	124481		0.0835		13	U	
041M64050	Ethylbenzene	11/15/1995	100414	9.64E+00	0.0835	8.05E+01	13	U	1.93E-06
041M64050	Methylene chloride	11/15/1995	75092	3.73E+00	0.0835	3.11E+01	13	U	5.00E-06
041M64050	Styrene	11/15/1995	100425	9.18E+00	0.0835	7.66E+01	13	U	2.03E-06
041M64050	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.0835	7.37E+01	13	U	2.11E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64050	Toluene	11/15/1995	108883	8.05E+00	0.0835	6.72E+01	13	U	2.32E-06
041M64050	trans-1,3-Dichloropropene	11/15/1995	10061026		0.0835		13	U	
041M64050	Trichloroethene	11/15/1995	79016	6.65E+00	0.0835	5.55E+01	13	U	2.80E-06
041M64050	Vinyl chloride	11/15/1995	75014		0.0835		4	U	
041M64050	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.0835	8.10E+01	13	U	1.92E-06
041M64060	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.0281	1.83E+01	80	U	1.56E-04
041M64060	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.0281	2.29E+01	80	U	1.25E-04
041M64060	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.0281	1.75E+01	80	U	1.62E-04
041M64060	1,1-Dichloroethane	11/15/1995	75343		0.0281		80	U	
041M64060	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.0281	1.31E+01	80	U	2.18E-04
041M64060	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.0281	1.24E+01	80	U	2.29E-04
041M64060	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.0281	1.30E+01	80	U	2.20E-04
041M64060	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.0281	1.48E+01	80	U	1.92E-04
041M64060	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.0281	8.23E+00	80	U	3.46E-04
041M64060	2-Hexanone	11/15/1995	591786	4.43E+00	0.0281	1.24E+01	80	U	2.29E-04
041M64060	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.0281	1.23E+01	80	U	2.31E-04
041M64060	Acetone	11/15/1995	67641	1.34E+01	0.0281	3.76E+01	80	U	7.57E-05
041M64060	Benzene	11/15/1995	71432	6.46E+00	0.0281	1.82E+01	80	U	1.57E-04
041M64060	Bromodichloromethane	11/15/1995	75274		0.0281		80	U	
041M64060	Bromoform	11/15/1995	75252	1.22E+01	0.0281	3.42E+01	80	U	8.32E-05
041M64060	Bromomethane	11/15/1995	74839	4.03E+00	0.0281	1.13E+01	80	U	2.51E-04
041M64060	Carbon disulfide	11/15/1995	75150		0.0281		80	U	
041M64060	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.0281	2.17E+01	80	U	1.31E-04
041M64060	Chlorobenzene	11/15/1995	108907	5.59E+00	0.0281	1.57E+01	80	U	1.81E-04
041M64060	Chloroethane	11/15/1995	75003		0.0281		80	U	
041M64060	Chloroform	11/15/1995	67663	5.59E+00	0.0281	1.57E+01	80	U	1.81E-04
041M64060	Chloromethane	11/15/1995	74873	2.12E+00	0.0281	5.96E+00	80	U	4.78E-04
041M64060	cis-1,3-Dichloropropene	11/15/1995	10061015		0.0281		80	U	
041M64060	Dibromochloromethane	11/15/1995	124481		0.0281		80	U	
041M64060	Ethylbenzene	11/15/1995	100414	9.64E+00	0.0281	2.71E+01	80	U	1.05E-04
041M64060	Methylene chloride	11/15/1995	75092	3.73E+00	0.0281	1.05E+01	85	U	2.89E-04
041M64060	Styrene	11/15/1995	100425	9.18E+00	0.0281	2.58E+01	80	U	1.10E-04
041M64060	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.0281	2.48E+01	80	U	1.15E-04
041M64060	Toluene	11/15/1995	108883	8.05E+00	0.0281	2.26E+01	80	U	1.26E-04
041M64060	trans-1,3-Dichloropropene	11/15/1995	10061026		0.0281		80	U	
041M64060	Trichloroethene	11/15/1995	79016	6.65E+00	0.0281	1.87E+01	80	U	1.52E-04
041M64060	Vinyl chloride	11/15/1995	75014		0.0281		24.5	U	
041M64060	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.0281	2.72E+01	80	U	1.04E-04
041M64070	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00478	3.11E+00	7	U	4.71E-04
041M64070	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00478	3.89E+00	7	U	3.77E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 **Phase: 2** **Wetland: 64** **Fresh/Salt: S**

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64070	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00478	2.98E+00	7	U	4.91E-04
041M64070	1,1-Dichloroethane	11/15/1995	75343		0.00478		7	U	
041M64070	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00478	2.22E+00	7	U	6.59E-04
041M64070	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
041M64070	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00478	2.20E+00	7	U	6.64E-04
041M64070	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00478	2.52E+00	7	U	5.82E-04
041M64070	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00478	1.40E+00	7	U	1.05E-03
041M64070	2-Hexanone	11/15/1995	591786	4.43E+00	0.00478	2.12E+00	7	U	6.92E-04
041M64070	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00478	2.10E+00	7	U	6.99E-04
041M64070	Acetone	11/15/1995	67641	1.34E+01	0.00478	6.40E+00	25	J	8.17E-04
041M64070	Benzene	11/15/1995	71432	6.46E+00	0.00478	3.09E+00	7	U	4.74E-04
041M64070	Bromodichloromethane	11/15/1995	75274		0.00478	—	7	U	
041M64070	Bromoform	11/15/1995	75252	1.22E+01	0.00478	5.82E+00	7	U	2.51E-04
041M64070	Bromomethane	11/15/1995	74839	4.03E+00	0.00478	1.93E+00	7	U	7.60E-04
041M64070	Carbon disulfide	11/15/1995	75150		0.00478		7	U	
041M64070	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00478	3.70E+00	7	U	3.96E-04
041M64070	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00478	2.67E+00	7	U	5.49E-04
041M64070	Chloroethane	11/15/1995	75003		0.00478		7	U	
041M64070	Chloroform	11/15/1995	67663	5.59E+00	0.00478	2.67E+00	7	U	5.48E-04
041M64070	Chloromethane	11/15/1995	74873	2.12E+00	0.00478	1.01E+00	7	U	1.44E-03
041M64070	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00478		7	U	
041M64070	Dibromochloromethane	11/15/1995	124481		0.00478		7	U	
041M64070	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00478	4.61E+00	7	U	3.18E-04
041M64070	Methylene chloride	11/15/1995	75092	3.73E+00	0.00478	1.78E+00	7	U	8.22E-04
041M64070	Styrene	11/15/1995	100425	9.18E+00	0.00478	4.39E+00	7	U	3.34E-04
041M64070	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00478	4.22E+00	7	U	3.47E-04
041M64070	Toluene	11/15/1995	108883	8.05E+00	0.00478	3.85E+00	7	U	3.81E-04
041M64070	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00478		7	U	
041M64070	Trichloroethene	11/15/1995	79016	6.65E+00	0.00478	3.18E+00	7	U	4.61E-04
041M64070	Vinyl chloride	11/15/1995	75014		0.00478		2	U	
041M64070	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00478	4.63E+00	7	U	3.16E-04
041M64080	1,1,1-Trichloroethane	2/1/1996	71556	6.50E+00	0.00851	5.54E+00	6.5	U	1.38E-04
041M64080	1,1,2,2-Tetrachloroethane	2/1/1996	79345	8.13E+00	0.00851	6.92E+00	6.5	U	1.10E-04
041M64080	1,1,2-Trichloroethane	2/1/1996	79005	6.24E+00	0.00851	5.31E+00	6.5	U	1.44E-04
041M64080	1,1-Dichloroethane	2/1/1996	75343		0.00851		6.5	U	
041M64080	1,1-Dichloroethene	2/1/1996	75354	4.65E+00	0.00851	3.96E+00	6.5	U	1.93E-04
041M64080	1,2-Dichloroethane	2/1/1996	107062	4.43E+00	0.00851	3.77E+00	6.5	U	2.03E-04
041M64080	1,2-Dichloroethene (total)	2/1/1996	540590	4.61E+00	0.00851	3.93E+00	6.5	U	1.95E-04
041M64080	1,2-Dichloropropane	2/1/1996	78875	5.26E+00	0.00851	4.48E+00	6.5	U	1.70E-04
041M64080	2-Butanone (MEK)	2/1/1996	78933	2.93E+00	0.00851	2.49E+00	6.5	U	3.06E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64080	2-Hexanone	2/1/1996	591786	4.43E+00	0.00851	3.77E+00	6.5	U	2.03E-04
041M64080	4-Methyl-2-Pentanone (MIBK)	2/1/1996	108101	4.38E+00	0.00851	3.73E+00	6.5	U	2.05E-04
041M64080	Acetone	2/1/1996	67641	1.34E+01	0.00851	1.14E+01	6.5	U	6.71E-05
041M64080	Benzene	2/1/1996	71432	6.46E+00	0.00851	5.50E+00	6.5	U	1.39E-04
041M64080	Bromodichloromethane	2/1/1996	75274		0.00851		6.5	U	
041M64080	Bromoform	2/1/1996	75252	1.22E+01	0.00851	1.04E+01	6.5	U	7.37E-05
041M64080	Bromomethane	2/1/1996	74839	4.03E+00	0.00851	3.43E+00	6.5	U	2.23E-04
041M64080	Carbon disulfide	2/1/1996	75150		0.00851		6.5	U	
041M64080	Carbon tetrachloride	2/1/1996	56235	7.73E+00	0.00851	6.58E+00	6.5	U	1.16E-04
041M64080	Chlorobenzene	2/1/1996	108907	5.59E+00	0.00851	4.75E+00	6.5	U	1.61E-04
041M64080	Chloroethane	2/1/1996	75003		0.00851		6.5	U	
041M64080	Chloroform	2/1/1996	67663	5.59E+00	0.00851	4.75E+00	6.5	U	1.61E-04
041M64080	Chloromethane	2/1/1996	74873	2.12E+00	0.00851	1.81E+00	6.5	U	4.23E-04
041M64080	cis-1,3-Dichloropropene	2/1/1996	10061015		0.00851		6.5	U	
041M64080	Dibromochloromethane	2/1/1996	124481		0.00851		6.5	U	
041M64080	Ethylbenzene	2/1/1996	100414	9.64E+00	0.00851	8.20E+00	6.5	U	9.31E-05
041M64080	Methylene chloride	2/1/1996	75092	3.73E+00	0.00851	3.17E+00	6.5	U	2.41E-04
041M64080	Styrene	2/1/1996	100425	9.18E+00	0.00851	7.81E+00	6.5	U	9.78E-05
041M64080	Tetrachloroethene	2/1/1996	127184	8.83E+00	0.00851	7.51E+00	6.5	U	1.02E-04
041M64080	Toluene	2/1/1996	108883	8.05E+00	0.00851	6.85E+00	6.5	U	1.12E-04
041M64080	trans-1,3-Dichloropropene	2/1/1996	10061026		0.00851		6.5	U	
041M64080	Trichloroethene	2/1/1996	79016	6.65E+00	0.00851	5.66E+00	6.5	U	1.35E-04
041M64080	Vinyl chloride	2/1/1996	75014		0.00851		2	U	
041M64080	Xylene (Total)	2/1/1996	1330207	9.70E+00	0.00851	8.25E+00	6.5	U	9.26E-05
041M64090	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00162	1.05E+00	6.5	U	3.81E-03
041M64090	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00162	1.32E+00	6.5	U	3.04E-03
041M64090	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00162	1.01E+00	6.5	U	3.97E-03
041M64090	1,1-Dichloroethane	11/15/1995	75343		0.00162		6.5	U	
041M64090	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00162	7.53E-01	6.5	U	5.33E-03
041M64090	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00162	7.17E-01	6.5	U	5.59E-03
041M64090	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00162	7.47E-01	6.5	U	5.37E-03
041M64090	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00162	8.53E-01	6.5	U	4.70E-03
041M64090	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00162	4.74E-01	6.5	U	8.46E-03
041M64090	2-Hexanone	11/15/1995	591786	4.43E+00	0.00162	7.18E-01	6.5	U	5.59E-03
041M64090	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00162	7.10E-01	6.5	U	5.65E-03
041M64090	Acetone	11/15/1995	67641	1.34E+01	0.00162	2.17E+00	24	J	6.83E-03
041M64090	Benzene	11/15/1995	71432	6.46E+00	0.00162	1.05E+00	6.5	U	3.83E-03
041M64090	Bromodichloromethane	11/15/1995	75274		0.00162		6.5	U	
041M64090	Bromoform	11/15/1995	75252	1.22E+01	0.00162	1.97E+00	6.5	U	2.03E-03
041M64090	Bromomethane	11/15/1995	74839	4.03E+00	0.00162	6.53E-01	6.5	U	6.15E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64090	Carbon disulfide	11/15/1995	75150		0.00162		6.5	U	
041M64090	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00162	1.25E+00	6.5	U	3.20E-03
041M64090	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00162	9.05E-01	6.5	U	4.43E-03
041M64090	Chloroethane	11/15/1995	75003		0.00162		6.5	U	
041M64090	Chloroform	11/15/1995	67663	5.59E+00	0.00162	9.05E-01	6.5	U	4.43E-03
041M64090	Chloromethane	11/15/1995	74873	2.12E+00	0.00162	3.44E-01	6.5	U	1.17E-02
041M64090	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00162		6.5	U	
041M64090	Dibromochloromethane	11/15/1995	124481		0.00162		6.5	U	
041M64090	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00162	1.56E+00	6.5	U	2.57E-03
041M64090	Methylene chloride	11/15/1995	75092	3.73E+00	0.00162	6.04E-01	7	U	7.15E-03
041M64090	Styrene	11/15/1995	100425	9.18E+00	0.00162	1.49E+00	6.5	U	2.70E-03
041M64090	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00162	1.43E+00	6.5	U	2.81E-03
041M64090	Toluene	11/15/1995	108883	8.05E+00	0.00162	1.30E+00	6.5	U	3.08E-03
041M64090	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00162		6.5	U	
041M64090	Trichloroethene	11/15/1995	79016	6.65E+00	0.00162	1.08E+00	6.5	U	3.72E-03
041M64090	Vinyl chloride	11/15/1995	75014		0.00162		2	U	
041M64090	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00162	1.57E+00	6.5	U	2.55E-03
041M64100	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0897	5.83E+01	29.5	U	5.64E-06
041M64100	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0897	7.30E+01	29.5	U	4.51E-06
041M64100	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0897	5.60E+01	29.5	U	5.87E-06
041M64100	1,1-Dichloroethane	11/16/1995	75343		0.0897		29.5	U	
041M64100	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0897	4.17E+01	29.5	U	7.89E-06
041M64100	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0897	3.97E+01	29.5	U	8.28E-06
041M64100	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0897	4.14E+01	29.5	U	7.95E-06
041M64100	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0897	4.72E+01	29.5	U	6.96E-06
041M64100	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0897	2.63E+01	29.5	U	1.25E-05
041M64100	2-Hexanone	11/16/1995	591786	4.43E+00	0.0897	3.97E+01	29.5	U	8.28E-06
041M64100	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0897	3.93E+01	29.5	U	8.36E-06
041M64100	Acetone	11/16/1995	67641	1.34E+01	0.0897	1.20E+02	150		1.39E-05
041M64100	Benzene	11/16/1995	71432	6.46E+00	0.0897	5.80E+01	29.5	U	5.67E-06
041M64100	Bromodichloromethane	11/16/1995	75274		0.0897		29.5	U	
041M64100	Bromoform	11/16/1995	75252	1.22E+01	0.0897	1.09E+02	29.5	U	3.01E-06
041M64100	Bromomethane	11/16/1995	74839	4.03E+00	0.0897	3.61E+01	29.5	U	9.10E-06
041M64100	Carbon disulfide	11/16/1995	75150		0.0897		29.5	U	
041M64100	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0897	6.94E+01	29.5	U	4.74E-06
041M64100	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0897	5.01E+01	29.5	U	6.56E-06
041M64100	Chloroethane	11/16/1995	75003		0.0897		29.5	U	
041M64100	Chloroform	11/16/1995	67663	5.59E+00	0.0897	5.01E+01	29.5	U	6.56E-06
041M64100	Chloromethane	11/16/1995	74873	2.12E+00	0.0897	1.90E+01	29.5	U	1.73E-05
041M64100	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0897		29.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64100	Dibromochloromethane	11/16/1995	124481		0.0897		29.5	U	
041M64100	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0897	8.64E+01	29.5	U	3.80E-06
041M64100	Methylene chloride	11/16/1995	75092	3.73E+00	0.0897	3.34E+01	29.5	U	9.83E-06
041M64100	Styrene	11/16/1995	100425	9.18E+00	0.0897	8.23E+01	29.5	U	4.00E-06
041M64100	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0897	7.92E+01	29.5	U	4.15E-06
041M64100	Toluene	11/16/1995	108883	8.05E+00	0.0897	7.22E+01	29.5	U	4.56E-06
041M64100	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0897		29.5	U	
041M64100	Trichloroethene	11/16/1995	79016	6.65E+00	0.0897	5.97E+01	29.5	U	5.51E-06
041M64100	Vinyl chloride	11/16/1995	75014		0.0897		9	U	
041M64100	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0897	8.70E+01	29.5	U	3.78E-06
041M64110	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0401	2.61E+01	21	U	2.01E-05
041M64110	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0401	3.26E+01	21	U	1.61E-05
041M64110	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0401	2.50E+01	21	U	2.09E-05
041M64110	1,1-Dichloroethane	11/16/1995	75343		0.0401		21	U	
041M64110	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0401	1.86E+01	21	U	2.81E-05
041M64110	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0401	1.78E+01	21	U	2.95E-05
041M64110	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0401	1.85E+01	21	U	2.83E-05
041M64110	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0401	2.11E+01	21	U	2.48E-05
041M64110	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0401	1.17E+01	21	U	4.46E-05
041M64110	2-Hexanone	11/16/1995	591786	4.43E+00	0.0401	1.78E+01	21	U	2.95E-05
041M64110	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0401	1.76E+01	21	U	2.98E-05
041M64110	Acetone	11/16/1995	67641	1.34E+01	0.0401	5.37E+01	21	U	9.76E-06
041M64110	Benzene	11/16/1995	71432	6.46E+00	0.0401	2.59E+01	21	U	2.02E-05
041M64110	Bromodichloromethane	11/16/1995	75274		0.0401		21	U	
041M64110	Bromoform	11/16/1995	75252	1.22E+01	0.0401	4.89E+01	21	U	1.07E-05
041M64110	Bromomethane	11/16/1995	74839	4.03E+00	0.0401	1.62E+01	21	U	3.24E-05
041M64110	Carbon disulfide	11/16/1995	75150		0.0401		21	U	
041M64110	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0401	3.10E+01	21	U	1.69E-05
041M64110	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0401	2.24E+01	21	U	2.34E-05
041M64110	Chloroethane	11/16/1995	75003		0.0401		21	U	
041M64110	Chloroform	11/16/1995	67663	5.59E+00	0.0401	2.24E+01	21	U	2.34E-05
041M64110	Chloromethane	11/16/1995	74873	2.12E+00	0.0401	8.51E+00	21	U	6.16E-05
041M64110	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0401		21	U	
041M64110	Dibromochloromethane	11/16/1995	124481		0.0401		21	U	
041M64110	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0401	3.86E+01	21	U	1.36E-05
041M64110	Methylene chloride	11/16/1995	75092	3.73E+00	0.0401	1.50E+01	21	U	3.50E-05
041M64110	Styrene	11/16/1995	100425	9.18E+00	0.0401	3.68E+01	21	U	1.42E-05
041M64110	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0401	3.54E+01	21	U	1.48E-05
041M64110	Toluene	11/16/1995	108883	8.05E+00	0.0401	3.23E+01	21	U	1.62E-05
041M64110	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0401		21	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64110	Trichloroethene	11/16/1995	79016	6.65E+00	0.0401	2.67E+01	21	U	1.96E-05
041M64110	Vinyl chloride	11/16/1995	75014		0.0401		6.5	U	
041M64110	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0401	3.89E+01	21	U	1.35E-05
041M64120	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00176	1.14E+00	6	U	2.98E-03
041M64120	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00176	1.43E+00	6	U	2.38E-03
041M64120	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00176	1.10E+00	6	U	3.10E-03
041M64120	1,1-Dichloroethane	11/15/1995	75343		0.00176		6	U	
041M64120	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00176	8.18E-01	6	U	4.17E-03
041M64120	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00176	7.79E-01	6	U	4.37E-03
041M64120	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00176	8.12E-01	6	U	4.20E-03
041M64120	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00176	9.27E-01	6	U	3.68E-03
041M64120	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00176	5.15E-01	6	U	6.61E-03
041M64120	2-Hexanone	11/15/1995	591786	4.43E+00	0.00176	7.80E-01	6	UJ	4.37E-03
041M64120	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00176	7.71E-01	6	U	4.42E-03
041M64120	Acetone	11/15/1995	67641	1.34E+01	0.00176	2.36E+00	6	U	1.45E-03
041M64120	Benzene	11/15/1995	71432	6.46E+00	0.00176	1.14E+00	6	U	3.00E-03
041M64120	Bromodichloromethane	11/15/1995	75274		0.00176		6	U	
041M64120	Bromoform	11/15/1995	75252	1.22E+01	0.00176	2.14E+00	6	U	1.59E-03
041M64120	Bromomethane	11/15/1995	74839	4.03E+00	0.00176	7.09E-01	6	U	4.81E-03
041M64120	Carbon disulfide	11/15/1995	75150		0.00176		6	U	
041M64120	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00176	1.36E+00	6	U	2.50E-03
041M64120	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00176	9.83E-01	6	U	3.47E-03
041M64120	Chloroethane	11/15/1995	75003		0.00176		6	U	
041M64120	Chloroform	11/15/1995	67663	5.59E+00	0.00176	9.83E-01	6	U	3.47E-03
041M64120	Chloromethane	11/15/1995	74873	2.12E+00	0.00176	3.73E-01	6	U	9.13E-03
041M64120	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00176		6	U	
041M64120	Dibromochloromethane	11/15/1995	124481		0.00176		6	U	
041M64120	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00176	1.70E+00	6	U	2.01E-03
041M64120	Methylene chloride	11/15/1995	75092	3.73E+00	0.00176	6.56E-01	8	U	6.93E-03
041M64120	Styrene	11/15/1995	100425	9.18E+00	0.00176	1.61E+00	6	U	2.11E-03
041M64120	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00176	1.55E+00	6	U	2.19E-03
041M64120	Toluene	11/15/1995	108883	8.05E+00	0.00176	1.42E+00	6	U	2.41E-03
041M64120	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00176		6	U	
041M64120	Trichloroethene	11/15/1995	79016	6.65E+00	0.00176	1.17E+00	6	U	2.91E-03
041M64120	Vinyl chloride	11/15/1995	75014		0.00176		2	U	
041M64120	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00176	1.71E+00	6	U	2.00E-03
041M64130	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0761	4.95E+01	35.5	U	9.42E-06
041M64130	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0761	6.19E+01	35.5	U	7.54E-06
041M64130	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0761	4.75E+01	35.5	U	9.82E-06
041M64130	1,1-Dichloroethane	11/16/1995	75343		0.0761		35.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64130	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0761	3.54E+01	35.5	U	1.32E-05
041M64130	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0761	3.37E+01	35.5	U	1.38E-05
041M64130	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0761	3.51E+01	35.5	U	1.33E-05
041M64130	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0761	4.01E+01	35.5	U	1.16E-05
041M64130	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0761	2.23E+01	35.5	U	2.09E-05
041M64130	2-Hexanone	11/16/1995	591786	4.43E+00	0.0761	3.37E+01	35.5	U	1.38E-05
041M64130	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0761	3.34E+01	35.5	U	1.40E-05
041M64130	Acetone	11/16/1995	67641	1.34E+01	0.0761	1.02E+02	91		1.17E-05
041M64130	Benzene	11/16/1995	71432	6.46E+00	0.0761	4.92E+01	35.5	U	9.49E-06
041M64130	Bromodichloromethane	11/16/1995	75274		0.0761		35.5	U	
041M64130	Bromoform	11/16/1995	75252	1.22E+01	0.0761	9.27E+01	35.5	U	5.03E-06
041M64130	Bromomethane	11/16/1995	74839	4.03E+00	0.0761	3.07E+01	35.5	U	1.52E-05
041M64130	Carbon disulfide	11/16/1995	75150		0.0761		35.5	U	
041M64130	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0761	5.89E+01	35.5	U	7.93E-06
041M64130	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0761	4.25E+01	35.5	U	1.10E-05
041M64130	Chloroethane	11/16/1995	75003		0.0761		35.5	U	
041M64130	Chloroform	11/16/1995	67663	5.59E+00	0.0761	4.25E+01	35.5	U	1.10E-05
041M64130	Chloromethane	11/16/1995	74873	2.12E+00	0.0761	1.61E+01	35.5	U	2.89E-05
041M64130	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0761		35.5	U	
041M64130	Dibromochloromethane	11/16/1995	124481		0.0761		35.5	U	
041M64130	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0761	7.33E+01	35.5	U	6.36E-06
041M64130	Methylene chloride	11/16/1995	75092	3.73E+00	0.0761	2.84E+01	55	U	2.55E-05
041M64130	Styrene	11/16/1995	100425	9.18E+00	0.0761	6.98E+01	35.5	U	6.68E-06
041M64130	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0761	6.72E+01	35.5	U	6.95E-06
041M64130	Toluene	11/16/1995	108883	8.05E+00	0.0761	6.12E+01	35.5	U	7.62E-06
041M64130	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0761		35.5	U	
041M64130	Trichloroethene	11/16/1995	79016	6.65E+00	0.0761	5.06E+01	35.5	U	9.21E-06
041M64130	Vinyl chloride	11/16/1995	75014		0.0761		10.5	U	
041M64130	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0761	7.38E+01	35.5	U	6.32E-06
041M64140	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0687	4.47E+01	28	U	9.12E-06
041M64140	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0687	5.59E+01	28	U	7.29E-06
041M64140	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0687	4.29E+01	28	U	9.50E-06
041M64140	1,1-Dichloroethane	11/16/1995	75343		0.0687		28	U	
041M64140	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0687	3.19E+01	28	U	1.28E-05
041M64140	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0687	3.04E+01	28	U	1.34E-05
041M64140	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0687	3.17E+01	28	U	1.29E-05
041M64140	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0687	3.62E+01	28	U	1.13E-05
041M64140	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0687	2.01E+01	28	U	2.03E-05
041M64140	2-Hexanone	11/16/1995	591786	4.43E+00	0.0687	3.04E+01	28	U	1.34E-05
041M64140	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0687	3.01E+01	28	U	1.35E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64140	Acetone	11/16/1995	67641	1.34E+01	0.0687	9.20E+01	420		6.65E-05
041M64140	Benzene	11/16/1995	71432	6.46E+00	0.0687	4.44E+01	28	U	9.18E-06
041M64140	Bromodichloromethane	11/16/1995	75274		0.0687		28	U	
041M64140	Bromoform	11/16/1995	75252	1.22E+01	0.0687	8.37E+01	28	U	4.87E-06
041M64140	Bromomethane	11/16/1995	74839	4.03E+00	0.0687	2.77E+01	28	U	1.47E-05
041M64140	Carbon disulfide	11/16/1995	75150		0.0687		28	U	
041M64140	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0687	5.31E+01	28	U	7.67E-06
041M64140	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0687	3.84E+01	28	U	1.06E-05
041M64140	Chloroethane	11/16/1995	75003		0.0687		28	U	
041M64140	Chloroform	11/16/1995	67663	5.59E+00	0.0687	3.84E+01	28	U	1.06E-05
041M64140	Chloromethane	11/16/1995	74873	2.12E+00	0.0687	1.46E+01	28	U	2.80E-05
041M64140	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0687	—	28	U	
041M64140	Dibromochloromethane	11/16/1995	124481		0.0687		28	U	
041M64140	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0687	6.62E+01	28	U	6.16E-06
041M64140	Methylene chloride	11/16/1995	75092	3.73E+00	0.0687	2.56E+01	400	J	2.27E-04
041M64140	Styrene	11/16/1995	100425	9.18E+00	0.0687	6.30E+01	28	U	6.47E-06
041M64140	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0687	6.06E+01	28	U	6.72E-06
041M64140	Toluene	11/16/1995	108883	8.05E+00	0.0687	5.53E+01	28	U	7.37E-06
041M64140	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0687		28	U	
041M64140	Trichloroethene	11/16/1995	79016	6.65E+00	0.0687	4.57E+01	28	U	8.92E-06
041M64140	Vinyl chloride	11/16/1995	75014		0.0687		8.5	U	
041M64140	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0687	6.66E+01	28	U	6.12E-06
041M64150	1,1,1-Trichloroethane	11/15/1995	71556	6.50E+00	0.00199	1.29E+00	7	U	2.72E-03
041M64150	1,1,2,2-Tetrachloroethane	11/15/1995	79345	8.13E+00	0.00199	1.62E+00	7	U	2.17E-03
041M64150	1,1,2-Trichloroethane	11/15/1995	79005	6.24E+00	0.00199	1.24E+00	7	U	2.83E-03
041M64150	1,1-Dichloroethane	11/15/1995	75343		0.00199		7	U	
041M64150	1,1-Dichloroethene	11/15/1995	75354	4.65E+00	0.00199	9.25E-01	7	U	3.80E-03
041M64150	1,2-Dichloroethane	11/15/1995	107062	4.43E+00	0.00199	8.81E-01	7	U	3.99E-03
041M64150	1,2-Dichloroethene (total)	11/15/1995	540590	4.61E+00	0.00199	9.18E-01	7	U	3.83E-03
041M64150	1,2-Dichloropropane	11/15/1995	78875	5.26E+00	0.00199	1.05E+00	7	U	3.36E-03
041M64150	2-Butanone (MEK)	11/15/1995	78933	2.93E+00	0.00199	5.83E-01	7	U	6.04E-03
041M64150	2-Hexanone	11/15/1995	591786	4.43E+00	0.00199	8.81E-01	7	U	3.99E-03
041M64150	4-Methyl-2-Pentanone (MIBK)	11/15/1995	108101	4.38E+00	0.00199	8.72E-01	7	U	4.03E-03
041M64150	Acetone	11/15/1995	67641	1.34E+01	0.00199	2.66E+00	14	J	2.64E-03
041M64150	Benzene	11/15/1995	71432	6.46E+00	0.00199	1.29E+00	7	U	2.74E-03
041M64150	Bromodichloromethane	11/15/1995	75274		0.00199		7	U	
041M64150	Bromoform	11/15/1995	75252	1.22E+01	0.00199	2.42E+00	7	U	1.45E-03
041M64150	Bromomethane	11/15/1995	74839	4.03E+00	0.00199	8.02E-01	7	U	4.39E-03
041M64150	Carbon disulfide	11/15/1995	75150		0.00199		7	U	
041M64150	Carbon tetrachloride	11/15/1995	56235	7.73E+00	0.00199	1.54E+00	7	U	2.29E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64150	Chlorobenzene	11/15/1995	108907	5.59E+00	0.00199	1.11E+00	7	U	3.16E-03
041M64150	Chloroethane	11/15/1995	75003		0.00199		7	U	
041M64150	Chloroform	11/15/1995	67663	5.59E+00	0.00199	1.11E+00	7	U	3.16E-03
041M64150	Chloromethane	11/15/1995	74873	2.12E+00	0.00199	4.22E-01	7	U	8.33E-03
041M64150	cis-1,3-Dichloropropene	11/15/1995	10061015		0.00199		7	U	
041M64150	Dibromochloromethane	11/15/1995	124481		0.00199		7	U	
041M64150	Ethylbenzene	11/15/1995	100414	9.64E+00	0.00199	1.92E+00	7	U	1.83E-03
041M64150	Methylene chloride	11/15/1995	75092	3.73E+00	0.00199	7.42E-01	7	U	4.74E-03
041M64150	Styrene	11/15/1995	100425	9.18E+00	0.00199	1.83E+00	7	U	1.93E-03
041M64150	Tetrachloroethene	11/15/1995	127184	8.83E+00	0.00199	1.76E+00	7	U	2.00E-03
041M64150	Toluene	11/15/1995	108883	8.05E+00	0.00199	1.60E+00	7	U	2.20E-03
041M64150	trans-1,3-Dichloropropene	11/15/1995	10061026		0.00199		7	U	
041M64150	Trichloroethene	11/15/1995	79016	6.65E+00	0.00199	1.32E+00	7	U	2.66E-03
041M64150	Vinyl chloride	11/15/1995	75014		0.00199		2	U	
041M64150	Xylene (Total)	11/15/1995	1330207	9.70E+00	0.00199	1.93E+00	7	U	1.82E-03
041M64160	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0675	4.39E+01	28	U	9.45E-06
041M64160	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0675	5.49E+01	28	U	7.55E-06
041M64160	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0675	4.21E+01	28	U	9.84E-06
041M64160	1,1-Dichloroethane	11/16/1995	75343		0.0675		28	U	
041M64160	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0675	3.14E+01	28	U	1.32E-05
041M64160	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0675	2.99E+01	28	U	1.39E-05
041M64160	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0675	3.11E+01	28	U	1.33E-05
041M64160	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0675	3.55E+01	28	U	1.17E-05
041M64160	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0675	1.98E+01	28	U	2.10E-05
041M64160	2-Hexanone	11/16/1995	591786	4.43E+00	0.0675	2.99E+01	28	U	1.39E-05
041M64160	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0675	2.96E+01	28	U	1.40E-05
041M64160	Acetone	11/16/1995	67641	1.34E+01	0.0675	9.04E+01	180		2.95E-05
041M64160	Benzene	11/16/1995	71432	6.46E+00	0.0675	4.36E+01	28	U	9.51E-06
041M64160	Bromodichloromethane	11/16/1995	75274		0.0675		28	U	
041M64160	Bromoform	11/16/1995	75252	1.22E+01	0.0675	8.22E+01	28	U	5.04E-06
041M64160	Bromomethane	11/16/1995	74839	4.03E+00	0.0675	2.72E+01	28	U	1.53E-05
041M64160	Carbon disulfide	11/16/1995	75150		0.0675		11	J	
041M64160	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0675	5.22E+01	28	U	7.95E-06
041M64160	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0675	3.77E+01	28	U	1.10E-05
041M64160	Chloroethane	11/16/1995	75003		0.0675		28	U	
041M64160	Chloroform	11/16/1995	67663	5.59E+00	0.0675	3.77E+01	28	U	1.10E-05
041M64160	Chloromethane	11/16/1995	74873	2.12E+00	0.0675	1.43E+01	28	U	2.90E-05
041M64160	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0675		28	U	
041M64160	Dibromochloromethane	11/16/1995	124481		0.0675		28	U	
041M64160	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0675	6.50E+01	28	U	6.38E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64160	Methylene chloride	11/16/1995	75092	3.73E+00	0.0675	2.52E+01	270	J	1.59E-04
041M64160	Styrene	11/16/1995	100425	9.18E+00	0.0675	6.19E+01	28	U	6.70E-06
041M64160	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0675	5.96E+01	28	U	6.96E-06
041M64160	Toluene	11/16/1995	108883	8.05E+00	0.0675	5.43E+01	28	U	7.64E-06
041M64160	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0675		28	U	
041M64160	Trichloroethene	11/16/1995	79016	6.65E+00	0.0675	4.49E+01	28	U	9.24E-06
041M64160	Vinyl chloride	11/16/1995	75014		0.0675		8.5	U	
041M64160	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0675	6.54E+01	28	U	6.34E-06
041M64170	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0146	9.50E+00	10	U	7.21E-05
041M64170	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0146	1.19E+01	10	U	5.77E-05
041M64170	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0146	9.11E+00	10	U	7.51E-05
041M64170	1,1-Dichloroethane	11/16/1995	75343		0.0146	—	10	U	
041M64170	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0146	6.79E+00	10	U	1.01E-04
041M64170	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0146	6.47E+00	10	U	1.06E-04
041M64170	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0146	6.73E+00	10	U	1.02E-04
041M64170	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0146	7.69E+00	10	U	8.91E-05
041M64170	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0146	4.28E+00	10	U	1.60E-04
041M64170	2-Hexanone	11/16/1995	591786	4.43E+00	0.0146	6.47E+00	10	U	1.06E-04
041M64170	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0146	6.40E+00	10	U	1.07E-04
041M64170	Acetone	11/16/1995	67641	1.34E+01	0.0146	1.95E+01	10	U	3.50E-05
041M64170	Benzene	11/16/1995	71432	6.46E+00	0.0146	9.43E+00	10	U	7.26E-05
041M64170	Bromodichloromethane	11/16/1995	75274		0.0146		10	U	
041M64170	Bromoform	11/16/1995	75252	1.22E+01	0.0146	1.78E+01	10	U	3.85E-05
041M64170	Bromomethane	11/16/1995	74839	4.03E+00	0.0146	5.88E+00	10	U	1.16E-04
041M64170	Carbon disulfide	11/16/1995	75150		0.0146		10	U	
041M64170	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0146	1.13E+01	10	U	6.07E-05
041M64170	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0146	8.15E+00	10	U	8.40E-05
041M64170	Chloroethane	11/16/1995	75003		0.0146		10	U	
041M64170	Chloroform	11/16/1995	67663	5.59E+00	0.0146	8.16E+00	10	U	8.40E-05
041M64170	Chloromethane	11/16/1995	74873	2.12E+00	0.0146	3.10E+00	10	U	2.21E-04
041M64170	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0146		10	U	
041M64170	Dibromochloromethane	11/16/1995	124481		0.0146		10	U	
041M64170	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0146	1.41E+01	10	U	4.87E-05
041M64170	Methylene chloride	11/16/1995	75092	3.73E+00	0.0146	5.44E+00	110	J	1.38E-03
041M64170	Styrene	11/16/1995	100425	9.18E+00	0.0146	1.34E+01	10	U	5.11E-05
041M64170	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0146	1.29E+01	10	U	5.32E-05
041M64170	Toluene	11/16/1995	108883	8.05E+00	0.0146	1.17E+01	10	U	5.83E-05
041M64170	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0146		10	U	
041M64170	Trichloroethene	11/16/1995	79016	6.65E+00	0.0146	9.71E+00	10	U	7.05E-05
041M64170	Vinyl chloride	11/16/1995	75014		0.0146		3	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64170	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0146	1.42E+01	10	U	4.84E-05
041M64180	1,1,1-Trichloroethane	2/6/1996	71556	6.50E+00	0.00368	2.39E+00	6	U	6.81E-04
041M64180	1,1,2,2-Tetrachloroethane	2/6/1996	79345	8.13E+00	0.00368	2.99E+00	6	U	5.45E-04
041M64180	1,1,2-Trichloroethane	2/6/1996	79005	6.24E+00	0.00368	2.30E+00	6	U	7.10E-04
041M64180	1,1-Dichloroethane	2/6/1996	75343		0.00368		6	U	
041M64180	1,1-Dichloroethene	2/6/1996	75354	4.65E+00	0.00368	1.71E+00	6	U	9.53E-04
041M64180	1,2-Dichloroethane	2/6/1996	107062	4.43E+00	0.00368	1.63E+00	6	U	1.00E-03
041M64180	1,2-Dichloroethene (total)	2/6/1996	540590	4.61E+00	0.00368	1.70E+00	6	U	9.61E-04
041M64180	1,2-Dichloropropane	2/6/1996	78875	5.26E+00	0.00368	1.94E+00	6	U	8.42E-04
041M64180	2-Butanone (MEK)	2/6/1996	78933	2.93E+00	0.00368	1.08E+00	6	U	1.51E-03
041M64180	2-Hexanone	2/6/1996	591786	4.43E+00	0.00368	1.63E+00	6	U	1.00E-03
041M64180	4-Methyl-2-Pentanone (MIBK)	2/6/1996	108101	4.38E+00	0.00368	1.61E+00	6	U	1.01E-03
041M64180	Acetone	2/6/1996	67641	1.34E+01	0.00368	4.93E+00	6	U	3.31E-04
041M64180	Benzene	2/6/1996	71432	6.46E+00	0.00368	2.38E+00	6	U	6.86E-04
041M64180	Bromodichloromethane	2/6/1996	75274		0.00368		6	U	
041M64180	Bromoform	2/6/1996	75252	1.22E+01	0.00368	4.48E+00	6	U	3.64E-04
041M64180	Bromomethane	2/6/1996	74839	4.03E+00	0.00368	1.48E+00	6	U	1.10E-03
041M64180	Carbon disulfide	2/6/1996	75150		0.00368		6	U	
041M64180	Carbon tetrachloride	2/6/1996	56235	7.73E+00	0.00368	2.85E+00	6	U	5.73E-04
041M64180	Chlorobenzene	2/6/1996	108907	5.59E+00	0.00368	2.06E+00	6	U	7.93E-04
041M64180	Chloroethane	2/6/1996	75003		0.00368		6	U	
041M64180	Chloroform	2/6/1996	67663	5.59E+00	0.00368	2.06E+00	6	U	7.93E-04
041M64180	Chloromethane	2/6/1996	74873	2.12E+00	0.00368	7.81E-01	6	U	2.09E-03
041M64180	cis-1,3-Dichloropropene	2/6/1996	10061015		0.00368		6	U	
041M64180	Dibromochloromethane	2/6/1996	124481		0.00368		6	U	
041M64180	Ethylbenzene	2/6/1996	100414	9.64E+00	0.00368	3.55E+00	6	U	4.60E-04
041M64180	Methylene chloride	2/6/1996	75092	3.73E+00	0.00368	1.37E+00	6	U	1.19E-03
041M64180	Styrene	2/6/1996	100425	9.18E+00	0.00368	3.38E+00	6	U	4.83E-04
041M64180	Tetrachloroethene	2/6/1996	127184	8.83E+00	0.00368	3.25E+00	6	U	5.02E-04
041M64180	Toluene	2/6/1996	108883	8.05E+00	0.00368	2.96E+00	6	U	5.51E-04
041M64180	trans-1,3-Dichloropropene	2/6/1996	10061026		0.00368		6	U	
041M64180	Trichloroethene	2/6/1996	79016	6.65E+00	0.00368	2.45E+00	6	U	6.66E-04
041M64180	Vinyl chloride	2/6/1996	75014		0.00368		2	U	
041M64180	Xylene (Total)	2/6/1996	1330207	9.70E+00	0.00368	3.57E+00	6	U	4.57E-04
041M64190	1,1,1-Trichloroethane	2/1/1996	71556	6.50E+00	0.064	4.16E+01	29.5	U	1.11E-05
041M64190	1,1,2,2-Tetrachloroethane	2/1/1996	79345	8.13E+00	0.064	5.21E+01	29.5	UJ	8.85E-06
041M64190	1,1,2-Trichloroethane	2/1/1996	79005	6.24E+00	0.064	4.00E+01	29.5	U	1.15E-05
041M64190	1,1-Dichloroethane	2/1/1996	75343		0.064		29.5	U	
041M64190	1,1-Dichloroethene	2/1/1996	75354	4.65E+00	0.064	2.98E+01	29.5	U	1.55E-05
041M64190	1,2-Dichloroethane	2/1/1996	107062	4.43E+00	0.064	2.83E+01	29.5	U	1.63E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 **Phase: 2** **Wetland: 64** **Fresh/Salt: S**

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64190	1,2-Dichloroethene (total)	2/1/1996	540590	4.61E+00	0.064	2.95E+01	29.5	U	1.56E-05
041M64190	1,2-Dichloropropane	2/1/1996	78875	5.26E+00	0.064	3.37E+01	29.5	U	1.37E-05
041M64190	2-Butanone (MEK)	2/1/1996	78933	2.93E+00	0.064	1.87E+01	29.5	U	2.46E-05
041M64190	2-Hexanone	2/1/1996	591786	4.43E+00	0.064	2.83E+01	29.5	UJ	1.63E-05
041M64190	4-Methyl-2-Pentanone (MIBK)	2/1/1996	108101	4.38E+00	0.064	2.81E+01	29.5	U	1.64E-05
041M64190	Acetone	2/1/1996	67641	1.34E+01	0.064	8.57E+01	220		4.01E-05
041M64190	Benzene	2/1/1996	71432	6.46E+00	0.064	4.14E+01	29.5	U	1.11E-05
041M64190	Bromodichloromethane	2/1/1996	75274		0.064		29.5	U	
041M64190	Bromoform	2/1/1996	75252	1.22E+01	0.064	7.80E+01	29.5	U	5.91E-06
041M64190	Bromomethane	2/1/1996	74839	4.03E+00	0.064	2.58E+01	29.5	U	1.79E-05
041M64190	Carbon disulfide	2/1/1996	75150		0.064		29.5	U	
041M64190	Carbon tetrachloride	2/1/1996	56235	7.73E+00	0.064	4.95E+01	29.5	U	9.31E-06
041M64190	Chlorobenzene	2/1/1996	108907	5.59E+00	0.064	3.57E+01	29.5	UJ	1.29E-05
041M64190	Chloroethane	2/1/1996	75003		0.064		29.5	UJ	
041M64190	Chloroform	2/1/1996	67663	5.59E+00	0.064	3.58E+01	29.5	U	1.29E-05
041M64190	Chloromethane	2/1/1996	74873	2.12E+00	0.064	1.36E+01	29.5	U	3.40E-05
041M64190	cis-1,3-Dichloropropene	2/1/1996	10061015		0.064		29.5	U	
041M64190	Dibromochloromethane	2/1/1996	124481		0.064		29.5	U	
041M64190	Ethylbenzene	2/1/1996	100414	9.64E+00	0.064	6.17E+01	29.5	UJ	7.47E-06
041M64190	Methylene chloride	2/1/1996	75092	3.73E+00	0.064	2.39E+01	72		4.71E-05
041M64190	Styrene	2/1/1996	100425	9.18E+00	0.064	5.87E+01	29.5	UJ	7.85E-06
041M64190	Tetrachloroethene	2/1/1996	127184	8.83E+00	0.064	5.65E+01	29.5	UJ	8.16E-06
041M64190	Toluene	2/1/1996	108883	8.05E+00	0.064	5.15E+01	29.5	UJ	8.95E-06
041M64190	trans-1,3-Dichloropropene	2/1/1996	10061026		0.064		29.5	U	
041M64190	Trichloroethene	2/1/1996	79016	6.65E+00	0.064	4.26E+01	29.5	U	1.08E-05
041M64190	Vinyl chloride	2/1/1996	75014		0.064		9	U	
041M64190	Xylene (Total)	2/1/1996	1330207	9.70E+00	0.064	6.21E+01	29.5	UJ	7.43E-06
041M64200	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.0042	2.73E+00	6.5	U	5.66E-04
041M64200	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.0042	3.42E+00	6.5	U	4.53E-04
041M64200	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.0042	2.62E+00	6.5	U	5.90E-04
041M64200	1,1-Dichloroethane	11/16/1995	75343		0.0042		6.5	U	
041M64200	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.0042	1.95E+00	6.5	U	7.93E-04
041M64200	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.0042	1.86E+00	6.5	U	8.32E-04
041M64200	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.0042	1.94E+00	6.5	U	7.99E-04
041M64200	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.0042	2.21E+00	6.5	U	7.00E-04
041M64200	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.0042	1.23E+00	6.5	U	1.26E-03
041M64200	2-Hexanone	11/16/1995	591786	4.43E+00	0.0042	1.86E+00	6.5	U	8.32E-04
041M64200	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.0042	1.84E+00	6.5	U	8.41E-04
041M64200	Acetone	11/16/1995	67641	1.34E+01	0.0042	5.62E+00	6.5	U	2.75E-04
041M64200	Benzene	11/16/1995	71432	6.46E+00	0.0042	2.71E+00	6.5	U	5.70E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64200	Bromodichloromethane	11/16/1995	75274		0.0042		6.5	U	
041M64200	Bromoform	11/16/1995	75252	1.22E+01	0.0042	5.12E+00	6.5	U	3.02E-04
041M64200	Bromomethane	11/16/1995	74839	4.03E+00	0.0042	1.69E+00	6.5	U	9.15E-04
041M64200	Carbon disulfide	11/16/1995	75150		0.0042		6.5	U	
041M64200	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.0042	3.25E+00	6.5	U	4.76E-04
041M64200	Chlorobenzene	11/16/1995	108907	5.59E+00	0.0042	2.35E+00	6.5	U	6.60E-04
041M64200	Chloroethane	11/16/1995	75003		0.0042		6.5	U	
041M64200	Chloroform	11/16/1995	67663	5.59E+00	0.0042	2.35E+00	6.5	U	6.60E-04
041M64200	Chloromethane	11/16/1995	74873	2.12E+00	0.0042	8.91E-01	6.5	U	1.74E-03
041M64200	cis-1,3-Dichloropropene	11/16/1995	10061015		0.0042		6.5	U	
041M64200	Dibromochloromethane	11/16/1995	124481		0.0042		6.5	U	
041M64200	Ethylbenzene	11/16/1995	100414	9.64E+00	0.0042	4.05E+00	6.5	U	3.82E-04
041M64200	Methylene chloride	11/16/1995	75092	3.73E+00	0.0042	1.57E+00	64	J	9.73E-03
041M64200	Styrene	11/16/1995	100425	9.18E+00	0.0042	3.85E+00	6.5	U	4.02E-04
041M64200	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.0042	3.71E+00	6.5	U	4.18E-04
041M64200	Toluene	11/16/1995	108883	8.05E+00	0.0042	3.38E+00	6.5	U	4.58E-04
041M64200	trans-1,3-Dichloropropene	11/16/1995	10061026		0.0042		6.5	U	
041M64200	Trichloroethene	11/16/1995	79016	6.65E+00	0.0042	2.79E+00	6.5	U	5.54E-04
041M64200	Vinyl chloride	11/16/1995	75014		0.0042		2	U	
041M64200	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.0042	4.07E+00	6.5	U	3.80E-04
041M64210	1,1,1-Trichloroethane	11/16/1995	71556	6.50E+00	0.00138	8.98E-01	7	U	5.65E-03
041M64210	1,1,2,2-Tetrachloroethane	11/16/1995	79345	8.13E+00	0.00138	1.12E+00	7	U	4.52E-03
041M64210	1,1,2-Trichloroethane	11/16/1995	79005	6.24E+00	0.00138	8.61E-01	7	U	5.89E-03
041M64210	1,1-Dichloroethane	11/16/1995	75343		0.00138		7	U	
041M64210	1,1-Dichloroethene	11/16/1995	75354	4.65E+00	0.00138	6.42E-01	7	U	7.91E-03
041M64210	1,2-Dichloroethane	11/16/1995	107062	4.43E+00	0.00138	6.11E-01	7	U	8.30E-03
041M64210	1,2-Dichloroethene (total)	11/16/1995	540590	4.61E+00	0.00138	6.37E-01	7	U	7.97E-03
041M64210	1,2-Dichloropropane	11/16/1995	78875	5.26E+00	0.00138	7.27E-01	7	U	6.98E-03
041M64210	2-Butanone (MEK)	11/16/1995	78933	2.93E+00	0.00138	4.04E-01	7	U	1.26E-02
041M64210	2-Hexanone	11/16/1995	591786	4.43E+00	0.00138	6.11E-01	7	U	8.30E-03
041M64210	4-Methyl-2-Pentanone (MIBK)	11/16/1995	108101	4.38E+00	0.00138	6.05E-01	7	U	8.39E-03
041M64210	Acetone	11/16/1995	67641	1.34E+01	0.00138	1.85E+00	7	U	2.75E-03
041M64210	Benzene	11/16/1995	71432	6.46E+00	0.00138	8.92E-01	7	U	5.69E-03
041M64210	Bromodichloromethane	11/16/1995	75274		0.00138		7	U	
041M64210	Bromoform	11/16/1995	75252	1.22E+01	0.00138	1.68E+00	7	U	3.02E-03
041M64210	Bromomethane	11/16/1995	74839	4.03E+00	0.00138	5.56E-01	7	U	9.12E-03
041M64210	Carbon disulfide	11/16/1995	75150		0.00138		7	U	
041M64210	Carbon tetrachloride	11/16/1995	56235	7.73E+00	0.00138	1.07E+00	7	U	4.75E-03
041M64210	Chlorobenzene	11/16/1995	108907	5.59E+00	0.00138	7.71E-01	7	U	6.58E-03
041M64210	Chloroethane	11/16/1995	75003		0.00138		7	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64210	Chloroform	11/16/1995	67663	5.59E+00	0.00138	7.71E-01	7	U	6.58E-03
041M64210	Chloromethane	11/16/1995	74873	2.12E+00	0.00138	2.93E-01	7	U	1.73E-02
041M64210	cis-1,3-Dichloropropene	11/16/1995	10061015		0.00138		7	U	
041M64210	Dibromochloromethane	11/16/1995	124481		0.00138		7	U	
041M64210	Ethylbenzene	11/16/1995	100414	9.64E+00	0.00138	1.33E+00	7	U	3.81E-03
041M64210	Methylene chloride	11/16/1995	75092	3.73E+00	0.00138	5.15E-01	7	U	9.86E-03
041M64210	Styrene	11/16/1995	100425	9.18E+00	0.00138	1.27E+00	7	U	4.01E-03
041M64210	Tetrachloroethene	11/16/1995	127184	8.83E+00	0.00138	1.22E+00	7	U	4.16E-03
041M64210	Toluene	11/16/1995	108883	8.05E+00	0.00138	1.11E+00	7	U	4.57E-03
041M64210	trans-1,3-Dichloropropene	11/16/1995	10061026		0.00138		7	U	
041M64210	Trichloroethene	11/16/1995	79016	6.65E+00	0.00138	9.18E-01	7	U	5.53E-03
041M64210	Vinyl chloride	11/16/1995	75014		0.00138	---	2	U	
041M64210	Xylene (Total)	11/16/1995	1330207	9.70E+00	0.00138	1.34E+00	7	U	3.79E-03
041M64220	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.00927	6.03E+00	7	U	1.25E-04
041M64220	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.00927	7.54E+00	7	U	1.00E-04
041M64220	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.00927	5.79E+00	7	U	1.30E-04
041M64220	1,1-Dichloroethane	11/17/1995	75343		0.00927		7	U	
041M64220	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.00927	4.31E+00	7	U	1.75E-04
041M64220	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.00927	4.11E+00	7	U	1.84E-04
041M64220	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.00927	4.28E+00	7	U	1.77E-04
041M64220	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.00927	4.88E+00	7	U	1.55E-04
041M64220	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.00927	2.71E+00	7	U	2.78E-04
041M64220	2-Hexanone	11/17/1995	591786	4.43E+00	0.00927	4.11E+00	7	U	1.84E-04
041M64220	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.00927	4.06E+00	7	U	1.86E-04
041M64220	Acetone	11/17/1995	67641	1.34E+01	0.00927	1.24E+01	9	J	7.82E-05
041M64220	Benzene	11/17/1995	71432	6.46E+00	0.00927	5.99E+00	7	U	1.26E-04
041M64220	Bromodichloromethane	11/17/1995	75274		0.00927		7	U	
041M64220	Bromoform	11/17/1995	75252	1.22E+01	0.00927	1.13E+01	7	U	6.69E-05
041M64220	Bromomethane	11/17/1995	74839	4.03E+00	0.00927	3.73E+00	7	U	2.02E-04
041M64220	Carbon disulfide	11/17/1995	75150		0.00927		7	U	
041M64220	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.00927	7.17E+00	7	U	1.05E-04
041M64220	Chlorobenzene	11/17/1995	108907	5.59E+00	0.00927	5.18E+00	7	U	1.46E-04
041M64220	Chloroethane	11/17/1995	75003		0.00927		7	U	
041M64220	Chloroform	11/17/1995	67663	5.59E+00	0.00927	5.18E+00	7	U	1.46E-04
041M64220	Chloromethane	11/17/1995	74873	2.12E+00	0.00927	1.97E+00	7	U	3.84E-04
041M64220	cis-1,3-Dichloropropene	11/17/1995	10061015		0.00927		7	U	
041M64220	Dibromochloromethane	11/17/1995	124481		0.00927		7	U	
041M64220	Ethylbenzene	11/17/1995	100414	9.64E+00	0.00927	8.93E+00	7	U	8.45E-05
041M64220	Methylene chloride	11/17/1995	75092	3.73E+00	0.00927	3.46E+00	7	U	2.18E-04
041M64220	Styrene	11/17/1995	100425	9.18E+00	0.00927	8.51E+00	7	U	8.88E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 Phase: 2 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64220	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.00927	8.18E+00	7	U	9.23E-05
041M64220	Toluene	11/17/1995	108883	8.05E+00	0.00927	7.46E+00	7	U	1.01E-04
041M64220	trans-1,3-Dichloropropene	11/17/1995	10061026		0.00927		7	U	
041M64220	Trichloroethene	11/17/1995	79016	6.65E+00	0.00927	6.17E+00	7	U	1.22E-04
041M64220	Vinyl chloride	11/17/1995	75014		0.00927		2	U	
041M64220	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.00927	8.99E+00	7	U	8.40E-05
041M64230	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.00404	2.63E+00	7	U	6.59E-04
041M64230	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.00404	3.29E+00	7	U	5.27E-04
041M64230	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.00404	2.52E+00	7	U	6.87E-04
041M64230	1,1-Dichloroethane	11/17/1995	75343		0.00404		7	U	
041M64230	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.00404	1.88E+00	7	U	9.23E-04
041M64230	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.00404	1.79E+00	7	U	9.68E-04
041M64230	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.00404	1.86E+00	7	U	9.30E-04
041M64230	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.00404	2.13E+00	7	U	8.15E-04
041M64230	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.00404	1.18E+00	7	U	1.46E-03
041M64230	2-Hexanone	11/17/1995	591786	4.43E+00	0.00404	1.79E+00	7	U	9.68E-04
041M64230	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.00404	1.77E+00	7	U	9.78E-04
041M64230	Acetone	11/17/1995	67641	1.34E+01	0.00404	5.41E+00	7	U	3.20E-04
041M64230	Benzene	11/17/1995	71432	6.46E+00	0.00404	2.61E+00	7	U	6.64E-04
041M64230	Bromodichloromethane	11/17/1995	75274		0.00404		7	U	
041M64230	Bromoform	11/17/1995	75252	1.22E+01	0.00404	4.92E+00	7	U	3.52E-04
041M64230	Bromomethane	11/17/1995	74839	4.03E+00	0.00404	1.63E+00	7	U	1.06E-03
041M64230	Carbon disulfide	11/17/1995	75150		0.00404		7	U	
041M64230	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.00404	3.12E+00	7	U	5.55E-04
041M64230	Chlorobenzene	11/17/1995	108907	5.59E+00	0.00404	2.26E+00	7	U	7.68E-04
041M64230	Chloroethane	11/17/1995	75003		0.00404		7	U	
041M64230	Chloroform	11/17/1995	67663	5.59E+00	0.00404	2.26E+00	7	U	7.68E-04
041M64230	Chloromethane	11/17/1995	74873	2.12E+00	0.00404	8.57E-01	7	U	2.02E-03
041M64230	cis-1,3-Dichloropropene	11/17/1995	10061015		0.00404		7	U	
041M64230	Dibromochloromethane	11/17/1995	124481		0.00404		7	U	
041M64230	Ethylbenzene	11/17/1995	100414	9.64E+00	0.00404	3.89E+00	7	U	4.45E-04
041M64230	Methylene chloride	11/17/1995	75092	3.73E+00	0.00404	1.51E+00	8	U	1.31E-03
041M64230	Styrene	11/17/1995	100425	9.18E+00	0.00404	3.71E+00	7	U	4.67E-04
041M64230	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.00404	3.57E+00	7	U	4.86E-04
041M64230	Toluene	11/17/1995	108883	8.05E+00	0.00404	3.25E+00	7	U	5.33E-04
041M64230	trans-1,3-Dichloropropene	11/17/1995	10061026		0.00404		7	U	
041M64230	Trichloroethene	11/17/1995	79016	6.65E+00	0.00404	2.69E+00	7	U	6.45E-04
041M64230	Vinyl chloride	11/17/1995	75014		0.00404		2	U	
041M64230	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.00404	3.92E+00	7	U	4.42E-04
041M64240	1,1,1-Trichloroethane	11/17/1995	71556	6.50E+00	0.000739	4.81E-01	6.5	U	1.83E-02

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 26 **Phase: 2** **Wetland: 64** **Fresh/Salt: S**

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64240	1,1,2,2-Tetrachloroethane	11/17/1995	79345	8.13E+00	0.000739	6.01E-01	6.5	U	1.46E-02
041M64240	1,1,2-Trichloroethane	11/17/1995	79005	6.24E+00	0.000739	4.61E-01	6.5	U	1.91E-02
041M64240	1,1-Dichloroethane	11/17/1995	75343		0.000739		6.5	U	
041M64240	1,1-Dichloroethene	11/17/1995	75354	4.65E+00	0.000739	3.44E-01	6.5	U	2.56E-02
041M64240	1,2-Dichloroethane	11/17/1995	107062	4.43E+00	0.000739	3.27E-01	6.5	U	2.69E-02
041M64240	1,2-Dichloroethene (total)	11/17/1995	540590	4.61E+00	0.000739	3.41E-01	6.5	U	2.58E-02
041M64240	1,2-Dichloropropane	11/17/1995	78875	5.26E+00	0.000739	3.89E-01	6.5	U	2.26E-02
041M64240	2-Butanone (MEK)	11/17/1995	78933	2.93E+00	0.000739	2.16E-01	6.5	U	4.06E-02
041M64240	2-Hexanone	11/17/1995	591786	4.43E+00	0.000739	3.27E-01	6.5	U	2.69E-02
041M64240	4-Methyl-2-Pentanone (MIBK)	11/17/1995	108101	4.38E+00	0.000739	3.24E-01	6.5	U	2.72E-02
041M64240	Acetone	11/17/1995	67641	1.34E+01	0.000739	9.89E-01	6.5	U	8.89E-03
041M64240	Benzene	11/17/1995	71432	6.46E+00	0.000739	4.78E-01	6.5	U	1.84E-02
041M64240	Bromodichloromethane	11/17/1995	75274		0.000739		6.5	U	
041M64240	Bromoform	11/17/1995	75252	1.22E+01	0.000739	9.00E-01	6.5	U	9.77E-03
041M64240	Bromomethane	11/17/1995	74839	4.03E+00	0.000739	2.98E-01	6.5	U	2.95E-02
041M64240	Carbon disulfide	11/17/1995	75150		0.000739		6.5	U	
041M64240	Carbon tetrachloride	11/17/1995	56235	7.73E+00	0.000739	5.72E-01	6.5	U	1.54E-02
041M64240	Chlorobenzene	11/17/1995	108907	5.59E+00	0.000739	4.13E-01	6.5	U	2.13E-02
041M64240	Chloroethane	11/17/1995	75003		0.000739		6.5	U	
041M64240	Chloroform	11/17/1995	67663	5.59E+00	0.000739	4.13E-01	6.5	U	2.13E-02
041M64240	Chloromethane	11/17/1995	74873	2.12E+00	0.000739	1.57E-01	6.5	U	5.61E-02
041M64240	cis-1,3-Dichloropropene	11/17/1995	10061015		0.000739		6.5	U	
041M64240	Dibromochloromethane	11/17/1995	124481		0.000739		6.5	U	
041M64240	Ethylbenzene	11/17/1995	100414	9.64E+00	0.000739	7.12E-01	6.5	U	1.24E-02
041M64240	Methylene chloride	11/17/1995	75092	3.73E+00	0.000739	2.76E-01	6.5	U	3.19E-02
041M64240	Styrene	11/17/1995	100425	9.18E+00	0.000739	6.78E-01	6.5	U	1.30E-02
041M64240	Tetrachloroethene	11/17/1995	127184	8.83E+00	0.000739	6.52E-01	6.5	U	1.35E-02
041M64240	Toluene	11/17/1995	108883	8.05E+00	0.000739	5.95E-01	6.5	U	1.48E-02
041M64240	trans-1,3-Dichloropropene	11/17/1995	10061026		0.000739		6.5	U	
041M64240	Trichloroethene	11/17/1995	79016	6.65E+00	0.000739	4.92E-01	6.5	U	1.79E-02
041M64240	Vinyl chloride	11/17/1995	75014		0.000739		2	U	
041M64240	Xylene (Total)	11/17/1995	1330207	9.70E+00	0.000739	7.17E-01	6.5	U	1.23E-02

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 27 Phase: 2 Wetland: 72 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M72010	1,1,1-Trichloroethane	11/29/1995	71556	6.50E+00	0.00294	1.91E+00	800	U	1.42E-01
041M72010	1,1,2,2-Tetrachloroethane	11/29/1995	79345	8.13E+00	0.00294	2.39E+00	800	U	1.14E-01
041M72010	1,1,2-Trichloroethane	11/29/1995	79005	6.24E+00	0.00294	1.84E+00	800	U	1.48E-01
041M72010	1,1-Dichloroethane	11/29/1995	75343		0.00294		800	U	
041M72010	1,1-Dichloroethene	11/29/1995	75354	4.65E+00	0.00294	1.37E+00	800	U	1.99E-01
041M72010	1,2-Dichloroethane	11/29/1995	107062	4.43E+00	0.00294	1.30E+00	800	U	2.09E-01
041M72010	1,2-Dichloroethene (total)	11/29/1995	540590	4.61E+00	0.00294	1.36E+00	800	U	2.01E-01
041M72010	1,2-Dichloropropane	11/29/1995	78875	5.26E+00	0.00294	1.55E+00	800	U	1.76E-01
041M72010	2-Butanone (MEK)	11/29/1995	78933	2.93E+00	0.00294	8.61E-01	800	U	3.16E-01
041M72010	2-Hexanone	11/29/1995	591786	4.43E+00	0.00294	1.30E+00	800	U	2.09E-01
041M72010	4-Methyl-2-Pentanone (MIBK)	11/29/1995	108101	4.38E+00	0.00294	1.29E+00	800	U	2.11E-01
041M72010	Acetone	11/29/1995	67641	1.34E+01	0.00294	3.94E+00	800	UJ	6.91E-02
041M72010	Benzene	11/29/1995	71432	6.46E+00	0.00294	1.90E+00	800	U	1.43E-01
041M72010	Bromodichloromethane	11/29/1995	75274		0.00294		800	U	
041M72010	Bromoform	11/29/1995	75252	1.22E+01	0.00294	3.58E+00	800	U	7.60E-02
041M72010	Bromomethane	11/29/1995	74839	4.03E+00	0.00294	1.18E+00	800	U	2.30E-01
041M72010	Carbon disulfide	11/29/1995	75150		0.00294		800	U	
041M72010	Carbon tetrachloride	11/29/1995	56235	7.73E+00	0.00294	2.27E+00	800	U	1.20E-01
041M72010	Chlorobenzene	11/29/1995	108907	5.59E+00	0.00294	1.64E+00	800	U	1.66E-01
041M72010	Chloroethane	11/29/1995	75003		0.00294		800	U	
041M72010	Chloroform	11/29/1995	67663	5.59E+00	0.00294	1.64E+00	800	U	1.66E-01
041M72010	Chloromethane	11/29/1995	74873	2.12E+00	0.00294	6.24E-01	800	U	4.36E-01
041M72010	cis-1,3-Dichloropropene	11/29/1995	10061015		0.00294		800	U	
041M72010	Dibromochloromethane	11/29/1995	124481		0.00294		800	U	
041M72010	Ethylbenzene	11/29/1995	100414	9.64E+00	0.00294	2.83E+00	800	U	9.60E-02
041M72010	Methylene chloride	11/29/1995	75092	3.73E+00	0.00294	1.10E+00	740	J	2.30E-01
041M72010	Styrene	11/29/1995	100425	9.18E+00	0.00294	2.70E+00	800	U	1.01E-01
041M72010	Tetrachloroethene	11/29/1995	127184	8.83E+00	0.00294	2.59E+00	800	U	1.05E-01
041M72010	Toluene	11/29/1995	108883	8.05E+00	0.00294	2.37E+00	800	U	1.15E-01
041M72010	trans-1,3-Dichloropropene	11/29/1995	10061026		0.00294		800	U	
041M72010	Trichloroethene	11/29/1995	79016	6.65E+00	0.00294	1.96E+00	800	U	1.39E-01
041M72010	Vinyl chloride	11/29/1995	75014		0.00294		235	U	
041M72010	Xylene (Total)	11/29/1995	1330207	9.70E+00	0.00294	2.85E+00	800	U	9.55E-02
041M72020	1,1,1-Trichloroethane	11/29/1995	71556	6.50E+00	0.00164	1.07E+00	6	U	3.43E-03
041M72020	1,1,2,2-Tetrachloroethane	11/29/1995	79345	8.13E+00	0.00164	1.33E+00	6	U	2.74E-03
041M72020	1,1,2-Trichloroethane	11/29/1995	79005	6.24E+00	0.00164	1.02E+00	6	U	3.57E-03
041M72020	1,1-Dichloroethane	11/29/1995	75343		0.00164		6	U	
041M72020	1,1-Dichloroethene	11/29/1995	75354	4.65E+00	0.00164	7.62E-01	6	U	4.80E-03
041M72020	1,2-Dichloroethane	11/29/1995	107062	4.43E+00	0.00164	7.26E-01	6	U	5.04E-03
041M72020	1,2-Dichloroethene (total)	11/29/1995	540590	4.61E+00	0.00164	7.56E-01	6	U	4.84E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 27 **Phase: 2** **Wetland: 72** **Fresh/Salt: F**

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M72020	1,2-Dichloropropane	11/29/1995	78875	5.26E+00	0.00164	8.63E-01	6	U	4.24E-03
041M72020	2-Butanone (MEK)	11/29/1995	78933	2.93E+00	0.00164	4.80E-01	6	U	7.62E-03
041M72020	2-Hexanone	11/29/1995	591786	4.43E+00	0.00164	7.26E-01	6	U	5.04E-03
041M72020	4-Methyl-2-Pentanone (MIBK)	11/29/1995	108101	4.38E+00	0.00164	7.19E-01	6	U	5.09E-03
041M72020	Acetone	11/29/1995	67641	1.34E+01	0.00164	2.20E+00	32		8.89E-03
041M72020	Benzene	11/29/1995	71432	6.46E+00	0.00164	1.06E+00	6	U	3.45E-03
041M72020	Bromodichloromethane	11/29/1995	75274		0.00164		6	U	
041M72020	Bromoform	11/29/1995	75252	1.22E+01	0.00164	2.00E+00	6	U	1.83E-03
041M72020	Bromomethane	11/29/1995	74839	4.03E+00	0.00164	6.61E-01	6	U	5.54E-03
041M72020	Carbon disulfide	11/29/1995	75150		0.00164		6	U	
041M72020	Carbon tetrachloride	11/29/1995	56235	7.73E+00	0.00164	1.27E+00	6	U	2.88E-03
041M72020	Chlorobenzene	11/29/1995	108907	5.59E+00	0.00164	9.16E-01	6	U	3.99E-03
041M72020	Chloroethane	11/29/1995	75003		0.00164		6	U	
041M72020	Chloroform	11/29/1995	67663	5.59E+00	0.00164	9.16E-01	6	U	3.99E-03
041M72020	Chloromethane	11/29/1995	74873	2.12E+00	0.00164	3.48E-01	6	U	1.05E-02
041M72020	cis-1,3-Dichloropropene	11/29/1995	10061015		0.00164		6	U	
041M72020	Dibromochloromethane	11/29/1995	124481		0.00164		6	U	
041M72020	Ethylbenzene	11/29/1995	100414	9.64E+00	0.00164	1.58E+00	6	U	2.31E-03
041M72020	Methylene chloride	11/29/1995	75092	3.73E+00	0.00164	6.11E-01	6	U	5.98E-03
041M72020	Styrene	11/29/1995	100425	9.18E+00	0.00164	1.50E+00	6	U	2.43E-03
041M72020	Tetrachloroethene	11/29/1995	127184	8.83E+00	0.00164	1.45E+00	6	U	2.53E-03
041M72020	Toluene	11/29/1995	108883	8.05E+00	0.00164	1.32E+00	6	U	2.77E-03
041M72020	trans-1,3-Dichloropropene	11/29/1995	10061026		0.00164		6	U	
041M72020	Trichloroethene	11/29/1995	79016	6.65E+00	0.00164	1.09E+00	6	U	3.35E-03
041M72020	Vinyl chloride	11/29/1995	75014		0.00164		2	U	
041M72020	Xylene (Total)	11/29/1995	1330207	9.70E+00	0.00164	1.59E+00	6	U	2.30E-03

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 28 Phase: 2 Wetland: W1 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
003M00010	1,1,1-Trichloroethane	8/9/1995	71556	6.50E+00	0.0197	1.28E+01	22.5	U	8.91E-05
003M00010	1,1,2,2-Tetrachloroethane	8/9/1995	79345	8.13E+00	0.0197	1.60E+01	22.5	U	7.13E-05
003M00010	1,1,2-Trichloroethane	8/9/1995	79005	6.24E+00	0.0197	1.23E+01	22.5	U	9.29E-05
003M00010	1,1-Dichloroethane	8/9/1995	75343		0.0197		22.5	U	
003M00010	1,1-Dichloroethene	8/9/1995	75354	4.65E+00	0.0197	9.16E+00	22.5	U	1.25E-04
003M00010	1,2-Dichloroethane	8/9/1995	107062	4.43E+00	0.0197	8.72E+00	22.5	U	1.31E-04
003M00010	1,2-Dichloroethene (total)	8/9/1995	540590	4.61E+00	0.0197	9.09E+00	9	J	5.03E-05
003M00010	1,2-Dichloropropane	8/9/1995	78875	5.26E+00	0.0197	1.04E+01	22.5	U	1.10E-04
003M00010	2-Butanone (MEK)	8/9/1995	78933	2.93E+00	0.0197	5.77E+00	22.5	U	1.98E-04
003M00010	2-Hexanone	8/9/1995	591786	4.43E+00	0.0197	8.73E+00	22.5	U	1.31E-04
003M00010	4-Methyl-2-Pentanone (MIBK)	8/9/1995	108101	4.38E+00	0.0197	8.63E+00	22.5	U	1.32E-04
003M00010	Acetone	8/9/1995	67641	1.34E+01	0.0197	2.64E+01	39	U	7.51E-05
003M00010	Benzene	8/9/1995	71432	6.46E+00	0.0197	1.27E+01	120		4.79E-04
003M00010	Bromodichloromethane	8/9/1995	75274		0.0197		22.5	U	
003M00010	Bromoform	8/9/1995	75252	1.22E+01	0.0197	2.40E+01	22.5	U	4.76E-05
003M00010	Bromomethane	8/9/1995	74839	4.03E+00	0.0197	7.94E+00	22.5	U	1.44E-04
003M00010	Carbon disulfide	8/9/1995	75150		0.0197		22.5	U	
003M00010	Carbon tetrachloride	8/9/1995	56235	7.73E+00	0.0197	1.52E+01	22.5	U	7.50E-05
003M00010	Chlorobenzene	8/9/1995	108907	5.59E+00	0.0197	1.10E+01	22.5	U	1.04E-04
003M00010	Chloroethane	8/9/1995	75003		0.0197		22.5	U	
003M00010	Chloroform	8/9/1995	67663	5.59E+00	0.0197	1.10E+01	22.5	U	1.04E-04
003M00010	Chloromethane	8/9/1995	74873	2.12E+00	0.0197	4.18E+00	22.5	U	2.73E-04
003M00010	cis-1,3-Dichloropropene	8/9/1995	10061015		0.0197		22.5	U	
003M00010	Dibromochloromethane	8/9/1995	124481		0.0197		22.5	U	
003M00010	Ethylbenzene	8/9/1995	100414	9.64E+00	0.0197	1.90E+01	290		7.75E-04
003M00010	Methylene chloride	8/9/1995	75092	3.73E+00	0.0197	7.35E+00	85	U	5.87E-04
003M00010	Styrene	8/9/1995	100425	9.18E+00	0.0197	1.81E+01	22.5	U	6.32E-05
003M00010	Tetrachloroethene	8/9/1995	127184	8.83E+00	0.0197	1.74E+01	22.5	U	6.57E-05
003M00010	Toluene	8/9/1995	108883	8.05E+00	0.0197	1.59E+01	200		6.40E-04
003M00010	trans-1,3-Dichloropropene	8/9/1995	10061026		0.0197		22.5	U	
003M00010	Trichloroethene	8/9/1995	79016	6.65E+00	0.0197	1.31E+01	22.5	U	8.72E-05
003M00010	Vinyl chloride	8/9/1995	75014		0.0197		22.5	U	
003M00010	Xylene (Total)	8/9/1995	1330207	9.70E+00	0.0197	1.91E+01	2000		5.32E-03
003M00020	1,1,1-Trichloroethane	8/9/1995	71556	6.50E+00	0.00276	1.80E+00	6.5	U	1.31E-03
003M00020	1,1,2,2-Tetrachloroethane	8/9/1995	79345	8.13E+00	0.00276	2.25E+00	6.5	U	1.05E-03
003M00020	1,1,2-Trichloroethane	8/9/1995	79005	6.24E+00	0.00276	1.72E+00	6.5	U	1.37E-03
003M00020	1,1-Dichloroethane	8/9/1995	75343		0.00276		6.5	U	
003M00020	1,1-Dichloroethene	8/9/1995	75354	4.65E+00	0.00276	1.28E+00	6.5	U	1.84E-03
003M00020	1,2-Dichloroethane	8/9/1995	107062	4.43E+00	0.00276	1.22E+00	6.5	U	1.93E-03
003M00020	1,2-Dichloroethene (total)	8/9/1995	540590	4.61E+00	0.00276	1.27E+00	6.5	U	1.85E-03

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 28 Phase: 2 Wetland: W1 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
003M00020	1,2-Dichloropropane	8/9/1995	78875	5.26E+00	0.00276	1.45E+00	6.5	U	1.62E-03
003M00020	2-Butanone (MEK)	8/9/1995	78933	2.93E+00	0.00276	8.08E-01	6.5	U	2.91E-03
003M00020	2-Hexanone	8/9/1995	591786	4.43E+00	0.00276	1.22E+00	6.5	U	1.93E-03
003M00020	4-Methyl-2-Pentanone (MIBK)	8/9/1995	108101	4.38E+00	0.00276	1.21E+00	6.5	U	1.95E-03
003M00020	Acetone	8/9/1995	67641	1.34E+01	0.00276	3.69E+00	6	U	5.88E-04
003M00020	Benzene	8/9/1995	71432	6.46E+00	0.00276	1.78E+00	6.5	U	1.32E-03
003M00020	Bromodichloromethane	8/9/1995	75274		0.00276		6.5	U	
003M00020	Bromoform	8/9/1995	75252	1.22E+01	0.00276	3.36E+00	6.5	U	7.00E-04
003M00020	Bromomethane	8/9/1995	74839	4.03E+00	0.00276	1.11E+00	6.5	U	2.12E-03
003M00020	Carbon disulfide	8/9/1995	75150		0.00276		6.5	U	
003M00020	Carbon tetrachloride	8/9/1995	56235	7.73E+00	0.00276	2.13E+00	6.5	U	1.10E-03
003M00020	Chlorobenzene	8/9/1995	108907	5.59E+00	0.00276	1.54E+00	6.5	U	1.53E-03
003M00020	Chloroethane	8/9/1995	75003		0.00276		6.5	U	
003M00020	Chloroform	8/9/1995	67663	5.59E+00	0.00276	1.54E+00	6.5	U	1.53E-03
003M00020	Chloromethane	8/9/1995	74873	2.12E+00	0.00276	5.85E-01	6.5	U	4.02E-03
003M00020	cis-1,3-Dichloropropene	8/9/1995	10061015		0.00276		6.5	U	
003M00020	Dibromochloromethane	8/9/1995	124481		0.00276		6.5	U	
003M00020	Ethylbenzene	8/9/1995	100414	9.64E+00	0.00276	2.66E+00	6.5	U	8.85E-04
003M00020	Methylene chloride	8/9/1995	75092	3.73E+00	0.00276	1.03E+00	10.5	U	3.70E-03
003M00020	Styrene	8/9/1995	100425	9.18E+00	0.00276	2.53E+00	6.5	U	9.30E-04
003M00020	Tetrachloroethene	8/9/1995	127184	8.83E+00	0.00276	2.44E+00	6.5	U	9.67E-04
003M00020	Toluene	8/9/1995	108883	8.05E+00	0.00276	2.22E+00	6.5	U	1.06E-03
003M00020	trans-1,3-Dichloropropene	8/9/1995	10061026		0.00276		6.5	U	
003M00020	Trichloroethene	8/9/1995	79016	6.65E+00	0.00276	1.84E+00	6.5	U	1.28E-03
003M00020	Vinyl chloride	8/9/1995	75014		0.00276		6.5	U	
003M00020	Xylene (Total)	8/9/1995	1330207	9.70E+00	0.00276	2.68E+00	6.5	U	8.80E-04
003M00030	1,1,1-Trichloroethane	8/9/1995	71556	6.50E+00	0.004455	2.90E+00	7	U	5.42E-04
003M00030	1,1,2,2-Tetrachloroethane	8/9/1995	79345	8.13E+00	0.004455	3.62E+00	7	U	4.34E-04
003M00030	1,1,2-Trichloroethane	8/9/1995	79005	6.24E+00	0.004455	2.78E+00	7	U	5.65E-04
003M00030	1,1-Dichloroethane	8/9/1995	75343		0.004455		7	U	
003M00030	1,1-Dichloroethene	8/9/1995	75354	4.65E+00	0.004455	2.07E+00	7	U	7.59E-04
003M00030	1,2-Dichloroethane	8/9/1995	107062	4.43E+00	0.004455	1.97E+00	7	U	7.96E-04
003M00030	1,2-Dichloroethene (total)	8/9/1995	540590	4.61E+00	0.004455	2.05E+00	7	U	7.65E-04
003M00030	1,2-Dichloropropane	8/9/1995	78875	5.26E+00	0.004455	2.35E+00	7	U	6.70E-04
003M00030	2-Butanone (MEK)	8/9/1995	78933	2.93E+00	0.004455	1.30E+00	7	U	1.20E-03
003M00030	2-Hexanone	8/9/1995	591786	4.43E+00	0.004455	1.97E+00	7	U	7.96E-04
003M00030	4-Methyl-2-Pentanone (MIBK)	8/9/1995	108101	4.38E+00	0.004455	1.95E+00	7	U	8.05E-04
003M00030	Acetone	8/9/1995	67641	1.34E+01	0.004455	5.96E+00	7	U	2.63E-04
003M00030	Benzene	8/9/1995	71432	6.46E+00	0.004455	2.88E+00	7	U	5.46E-04
003M00030	Bromodichloromethane	8/9/1995	75274		0.004455		7	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 28 Phase: 2 Wetland: W1 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
003M00030	Bromoform	8/9/1995	75252	1.22E+01	0.004455	5.43E+00	7	U	2.89E-04
003M00030	Bromomethane	8/9/1995	74839	4.03E+00	0.004455	1.79E+00	7	U	8.75E-04
003M00030	Carbon disulfide	8/9/1995	75150		0.004455		7	U	
003M00030	Carbon tetrachloride	8/9/1995	56235	7.73E+00	0.004455	3.45E+00	7	U	4.56E-04
003M00030	Chlorobenzene	8/9/1995	108907	5.59E+00	0.004455	2.49E+00	7	U	6.31E-04
003M00030	Chloroethane	8/9/1995	75003		0.004455		7	U	
003M00030	Chloroform	8/9/1995	67663	5.59E+00	0.004455	2.49E+00	7	U	6.31E-04
003M00030	Chloromethane	8/9/1995	74873	2.12E+00	0.004455	9.45E-01	7	U	1.66E-03
003M00030	cis-1,3-Dichloropropene	8/9/1995	10061015		0.004455		7	U	
003M00030	Dibromochloromethane	8/9/1995	124481		0.004455		7	U	
003M00030	Ethylbenzene	8/9/1995	100414	9.64E+00	0.004455	4.29E+00	7	U	3.66E-04
003M00030	Methylene chloride	8/9/1995	75092	3.73E+00	0.004455	1.66E+00	14.5	U	1.96E-03
003M00030	Styrene	8/9/1995	100425	9.18E+00	0.004455	4.09E+00	7	U	3.84E-04
003M00030	Tetrachloroethene	8/9/1995	127184	8.83E+00	0.004455	3.93E+00	7	U	4.00E-04
003M00030	Toluene	8/9/1995	108883	8.05E+00	0.004455	3.59E+00	7	U	4.38E-04
003M00030	trans-1,3-Dichloropropene	8/9/1995	10061026		0.004455		7	U	
003M00030	Trichloroethene	8/9/1995	79016	6.65E+00	0.004455	2.96E+00	7	U	5.30E-04
003M00030	Vinyl chloride	8/9/1995	75014		0.004455		7	U	
003M00030	Xylene (Total)	8/9/1995	1330207	9.70E+00	0.004455	4.32E+00	7	U	3.64E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 29 Phase: 2 Wetland: W2 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041MW201	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.0168	1.09E+01	15.5	U	8.44E-05
041MW201	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.0168	1.37E+01	15.5	U	6.75E-05
041MW201	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.0168	1.05E+01	15.5	U	8.80E-05
041MW201	1,1-Dichloroethane	1/24/1996	75343		0.0168		15.5	U	
041MW201	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.0168	7.81E+00	15.5	U	1.18E-04
041MW201	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.0168	7.44E+00	15.5	U	1.24E-04
041MW201	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.0168	7.75E+00	15.5	U	1.19E-04
041MW201	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.0168	8.84E+00	15.5	U	1.04E-04
041MW201	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.0168	4.92E+00	15.5	U	1.88E-04
041MW201	2-Hexanone	1/24/1996	591786	4.43E+00	0.0168	7.44E+00	15.5	U	1.24E-04
041MW201	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.0168	7.36E+00	15.5	U	1.25E-04
041MW201	Acetone	1/24/1996	67641	1.34E+01	0.0168	2.25E+01	27	U	7.15E-05
041MW201	Benzene	1/24/1996	71432	6.46E+00	0.0168	1.09E+01	15.5	U	8.50E-05
041MW201	Bromodichloromethane	1/24/1996	75274		0.0168		15.5	U	
041MW201	Bromoform	1/24/1996	75252	1.22E+01	0.0168	2.05E+01	15.5	U	4.51E-05
041MW201	Bromomethane	1/24/1996	74839	4.03E+00	0.0168	6.77E+00	15.5	U	1.36E-04
041MW201	Carbon disulfide	1/24/1996	75150		0.0168		15.5	U	
041MW201	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.0168	1.30E+01	15.5	U	7.10E-05
041MW201	Chlorobenzene	1/24/1996	108907	5.59E+00	0.0168	9.38E+00	15.5	U	9.83E-05
041MW201	Chloroethane	1/24/1996	75003		0.0168		15.5	U	
041MW201	Chloroform	1/24/1996	67663	5.59E+00	0.0168	9.39E+00	15.5	U	9.83E-05
041MW201	Chloromethane	1/24/1996	74873	2.12E+00	0.0168	3.56E+00	15.5	U	2.59E-04
041MW201	cis-1,3-Dichloropropene	1/24/1996	10061015		0.0168		15.5	U	
041MW201	Dibromochloromethane	1/24/1996	124481		0.0168		15.5	U	
041MW201	Ethylbenzene	1/24/1996	100414	9.64E+00	0.0168	1.62E+01	15.5	U	5.70E-05
041MW201	Methylene chloride	1/24/1996	75092	3.73E+00	0.0168	6.26E+00	15.5	U	1.47E-04
041MW201	Styrene	1/24/1996	100425	9.18E+00	0.0168	1.54E+01	15.5	U	5.98E-05
041MW201	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.0168	1.48E+01	15.5	U	6.22E-05
041MW201	Toluene	1/24/1996	108883	8.05E+00	0.0168	1.35E+01	15.5	U	6.82E-05
041MW201	trans-1,3-Dichloropropene	1/24/1996	10061026		0.0168		15.5	U	
041MW201	Trichloroethene	1/24/1996	79016	6.65E+00	0.0168	1.12E+01	15.5	U	8.26E-05
041MW201	Vinyl chloride	1/24/1996	75014		0.0168		4.5	U	
041MW201	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.0168	1.63E+01	15.5	U	5.66E-05
041MW202	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.00511	3.32E+00	6.5	U	3.83E-04
041MW202	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.00511	4.16E+00	6.5	U	3.06E-04
041MW202	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.00511	3.19E+00	6.5	U	3.99E-04
041MW202	1,1-Dichloroethane	1/24/1996	75343		0.00511		6.5	U	
041MW202	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.00511	2.38E+00	6.5	U	5.35E-04
041MW202	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.00511	2.26E+00	6.5	U	5.62E-04
041MW202	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.00511	2.36E+00	6.5	U	5.40E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 29 Phase: 2 Wetland: W2 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041MW202	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.00511	2.69E+00	6.5	U	4.73E-04
041MW202	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.00511	1.50E+00	6.5	U	8.50E-04
041MW202	2-Hexanone	1/24/1996	591786	4.43E+00	0.00511	2.26E+00	6.5	U	5.62E-04
041MW202	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.00511	2.24E+00	6.5	U	5.68E-04
041MW202	Acetone	1/24/1996	67641	1.34E+01	0.00511	6.84E+00	14	U	4.01E-04
041MW202	Benzene	1/24/1996	71432	6.46E+00	0.00511	3.30E+00	6.5	U	3.85E-04
041MW202	Bromodichloromethane	1/24/1996	75274		0.00511		6.5	U	
041MW202	Bromoform	1/24/1996	75252	1.22E+01	0.00511	6.23E+00	6.5	U	2.04E-04
041MW202	Bromomethane	1/24/1996	74839	4.03E+00	0.00511	2.06E+00	6.5	U	6.18E-04
041MW202	Carbon disulfide	1/24/1996	75150		0.00511		6.5	U	
041MW202	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.00511	3.95E+00	6.5	U	3.22E-04
041MW202	Chlorobenzene	1/24/1996	108907	5.59E+00	0.00511	2.85E+00	6.5	U	4.46E-04
041MW202	Chloroethane	1/24/1996	75003		0.00511		6.5	U	
041MW202	Chloroform	1/24/1996	67663	5.59E+00	0.00511	2.85E+00	6.5	U	4.46E-04
041MW202	Chloromethane	1/24/1996	74873	2.12E+00	0.00511	1.08E+00	6.5	U	1.17E-03
041MW202	cis-1,3-Dichloropropene	1/24/1996	10061015		0.00511		6.5	U	
041MW202	Dibromochloromethane	1/24/1996	124481		0.00511		6.5	U	
041MW202	Ethylbenzene	1/24/1996	100414	9.64E+00	0.00511	4.92E+00	6.5	U	2.58E-04
041MW202	Methylene chloride	1/24/1996	75092	3.73E+00	0.00511	1.91E+00	6.5	U	6.68E-04
041MW202	Styrene	1/24/1996	100425	9.18E+00	0.00511	4.69E+00	6.5	U	2.71E-04
041MW202	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.00511	4.51E+00	6.5	U	2.82E-04
041MW202	Toluene	1/24/1996	108883	8.05E+00	0.00511	4.11E+00	6.5	U	3.09E-04
041MW202	trans-1,3-Dichloropropene	1/24/1996	10061026		0.00511		6.5	U	
041MW202	Trichloroethene	1/24/1996	79016	6.65E+00	0.00511	3.40E+00	6.5	U	3.74E-04
041MW202	Vinyl chloride	1/24/1996	75014		0.00511		2	U	
041MW202	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.00511	4.95E+00	6.5	U	2.57E-04
041MW203	1,1,1-Trichloroethane	1/24/1996	71556	6.50E+00	0.165	1.07E+02	24	U	1.36E-06
041MW203	1,1,2,2-Tetrachloroethane	1/24/1996	79345	8.13E+00	0.165	1.34E+02	24	U	1.08E-06
041MW203	1,1,2-Trichloroethane	1/24/1996	79005	6.24E+00	0.165	1.03E+02	24	U	1.41E-06
041MW203	1,1-Dichloroethane	1/24/1996	75343		0.165		24	U	
041MW203	1,1-Dichloroethene	1/24/1996	75354	4.65E+00	0.165	7.67E+01	24	U	1.90E-06
041MW203	1,2-Dichloroethane	1/24/1996	107062	4.43E+00	0.165	7.31E+01	24	U	1.99E-06
041MW203	1,2-Dichloroethene (total)	1/24/1996	540590	4.61E+00	0.165	7.61E+01	24	U	1.91E-06
041MW203	1,2-Dichloropropane	1/24/1996	78875	5.26E+00	0.165	8.69E+01	24	U	1.67E-06
041MW203	2-Butanone (MEK)	1/24/1996	78933	2.93E+00	0.165	4.83E+01	24	U	3.01E-06
041MW203	2-Hexanone	1/24/1996	591786	4.43E+00	0.165	7.31E+01	24	U	1.99E-06
041MW203	4-Methyl-2-Pentanone (MIBK)	1/24/1996	108101	4.38E+00	0.165	7.23E+01	24	U	2.01E-06
041MW203	Acetone	1/24/1996	67641	1.34E+01	0.165	2.21E+02	210		5.76E-06
041MW203	Benzene	1/24/1996	71432	6.46E+00	0.165	1.07E+02	24	U	1.36E-06
041MW203	Bromodichloromethane	1/24/1996	75274		0.165		24	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 29 Phase: 2 Wetland: W2 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041MW203	Bromoform	1/24/1996	75252	1.22E+01	0.165	2.01E+02	24	U	7.24E-07
041MW203	Bromomethane	1/24/1996	74839	4.03E+00	0.165	6.65E+01	24	U	2.19E-06
041MW203	Carbon disulfide	1/24/1996	75150		0.165		24	U	
041MW203	Carbon tetrachloride	1/24/1996	56235	7.73E+00	0.165	1.28E+02	24	U	1.14E-06
041MW203	Chlorobenzene	1/24/1996	108907	5.59E+00	0.165	9.22E+01	24	U	1.58E-06
041MW203	Chloroethane	1/24/1996	75003		0.165		24	U	
041MW203	Chloroform	1/24/1996	67663	5.59E+00	0.165	9.22E+01	24	U	1.58E-06
041MW203	Chloromethane	1/24/1996	74873	2.12E+00	0.165	3.50E+01	24	U	4.16E-06
041MW203	cis-1,3-Dichloropropene	1/24/1996	10061015		0.165		24	U	
041MW203	Dibromochloromethane	1/24/1996	124481		0.165		24	U	
041MW203	Ethylbenzene	1/24/1996	100414	9.64E+00	0.165	1.59E+02	24	U	9.15E-07
041MW203	Methylene chloride	1/24/1996	75092	3.73E+00	0.165	6.15E+01	24	U	2.36E-06
041MW203	Styrene	1/24/1996	100425	9.18E+00	0.165	1.51E+02	24	U	9.61E-07
041MW203	Tetrachloroethene	1/24/1996	127184	8.83E+00	0.165	1.46E+02	24	U	9.99E-07
041MW203	Toluene	1/24/1996	108883	8.05E+00	0.165	1.33E+02	24	U	1.10E-06
041MW203	trans-1,3-Dichloropropene	1/24/1996	10061026		0.165		24	U	
041MW203	Trichloroethene	1/24/1996	79016	6.65E+00	0.165	1.10E+02	24	U	1.33E-06
041MW203	Vinyl chloride	1/24/1996	75014		0.165		7	U	
041MW203	Xylene (Total)	1/24/1996	1330207	9.70E+00	0.165	1.60E+02	24	U	9.09E-07

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 3 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03020	1,1,1-Trichloroethane	8/27/1997	71556	6.50E+00	0.1	6.50E+01	12.5	U	1.92E-06
041M03020	1,1,2,2-Tetrachloroethane	8/27/1997	79345	8.13E+00	0.1	8.13E+01	12.5	U	1.54E-06
041M03020	1,1,2-Trichloroethane	8/27/1997	79005	6.24E+00	0.1	6.24E+01	12.5	U	2.00E-06
041M03020	1,1-Dichloroethane	8/27/1997	75343		0.1		12.5	U	
041M03020	1,1-Dichloroethene	8/27/1997	75354	4.65E+00	0.1	4.65E+01	12.5	U	2.69E-06
041M03020	1,2-Dichloroethane	8/27/1997	107062	4.43E+00	0.1	4.43E+01	12.5	U	2.82E-06
041M03020	1,2-Dichloroethene (total)	8/27/1997	540590	4.61E+00	0.1	4.61E+01	12.5	U	2.71E-06
041M03020	1,2-Dichloropropane	8/27/1997	78875	5.26E+00	0.1	5.26E+01	12.5	U	2.37E-06
041M03020	2-Butanone (MEK)	8/27/1997	78933	2.93E+00	0.1	2.93E+01	120		4.10E-05
041M03020	2-Hexanone	8/27/1997	591786	4.43E+00	0.1	4.43E+01	25	U	5.64E-06
041M03020	4-Methyl-2-Pentanone (MIBK)	8/27/1997	108101	4.38E+00	0.1	4.38E+01	25	U	5.70E-06
041M03020	Acetone	8/27/1997	67641	1.34E+01	0.1	1.34E+02	770	J	5.75E-05
041M03020	Benzene	8/27/1997	71432	6.46E+00	0.1	6.46E+01	12.5	U	1.93E-06
041M03020	Bromodichloromethane	8/27/1997	75274		0.1		12.5	U	
041M03020	Bromoform	8/27/1997	75252	1.22E+01	0.1	1.22E+02	12.5	U	1.03E-06
041M03020	Bromomethane	8/27/1997	74839	4.03E+00	0.1	4.03E+01	25	U	6.21E-06
041M03020	Carbon disulfide	8/27/1997	75150		0.1		17	J	
041M03020	Carbon tetrachloride	8/27/1997	56235	7.73E+00	0.1	7.73E+01	12.5	U	1.62E-06
041M03020	Chlorobenzene	8/27/1997	108907	5.59E+00	0.1	5.59E+01	12.5	U	2.24E-06
041M03020	Chloroethane	8/27/1997	75003		0.1		25	U	
041M03020	Chloroform	8/27/1997	67663	5.59E+00	0.1	5.59E+01	12.5	U	2.24E-06
041M03020	Chloromethane	8/27/1997	74873	2.12E+00	0.1	2.12E+01	25	U	1.18E-05
041M03020	cis-1,3-Dichloropropene	8/27/1997	10061015		0.1		12.5	U	
041M03020	Dibromochloromethane	8/27/1997	124481		0.1		12.5	U	
041M03020	Ethylbenzene	8/27/1997	100414	9.64E+00	0.1	9.64E+01	12.5	U	1.30E-06
041M03020	Methylene chloride	8/27/1997	75092	3.73E+00	0.1	3.73E+01	12.5	U	3.35E-06
041M03020	Styrene	8/27/1997	100425	9.18E+00	0.1	9.18E+01	12.5	U	1.36E-06
041M03020	Tetrachloroethene	8/27/1997	127184	8.83E+00	0.1	8.83E+01	12.5	U	1.42E-06
041M03020	Toluene	8/27/1997	108883	8.05E+00	0.1	8.05E+01	12.5	U	1.55E-06
041M03020	trans-1,3-Dichloropropene	8/27/1997	10061026		0.1		12.5	U	
041M03020	Trichloroethene	8/27/1997	79016	6.65E+00	0.1	6.65E+01	12.5	U	1.88E-06
041M03020	Vinyl chloride	8/27/1997	75014		0.1		25	U	
041M03020	Xylene (Total)	8/27/1997	1330207	9.70E+00	0.1	9.70E+01	12.5	U	1.29E-06
041M03070	1,1,1-Trichloroethane	8/27/1997	71556	6.50E+00	0.012	7.81E+00	5.5	U	5.87E-05
041M03070	1,1,2,2-Tetrachloroethane	8/27/1997	79345	8.13E+00	0.012	9.76E+00	5.5	U	4.70E-05
041M03070	1,1,2-Trichloroethane	8/27/1997	79005	6.24E+00	0.012	7.49E+00	5.5	U	6.12E-05
041M03070	1,1-Dichloroethane	8/27/1997	75343		0.012		5.5	U	
041M03070	1,1-Dichloroethene	8/27/1997	75354	4.65E+00	0.012	5.58E+00	5.5	U	8.22E-05
041M03070	1,2-Dichloroethane	8/27/1997	107062	4.43E+00	0.012	5.31E+00	5.5	U	8.62E-05
041M03070	1,2-Dichloroethene (total)	8/27/1997	540590	4.61E+00	0.012	5.54E+00	5.5	U	8.28E-05

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 3 Wetland: 3 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M03070	1,2-Dichloropropane	8/27/1997	78875	5.26E+00	0.012	6.32E+00	5.5	U	7.26E-05
041M03070	2-Butanone (MEK)	8/27/1997	78933	2.93E+00	0.012	3.51E+00	38		9.01E-04
041M03070	2-Hexanone	8/27/1997	591786	4.43E+00	0.012	5.32E+00	10.5	U	1.65E-04
041M03070	4-Methyl-2-Pentanone (MIBK)	8/27/1997	108101	4.38E+00	0.012	5.26E+00	10.5	U	1.66E-04
041M03070	Acetone	8/27/1997	67641	1.34E+01	0.012	1.61E+01	240		1.25E-03
041M03070	Benzene	8/27/1997	71432	6.46E+00	0.012	7.75E+00	5.5	U	5.91E-05
041M03070	Bromodichloromethane	8/27/1997	75274		0.012		5.5	U	
041M03070	Bromoform	8/27/1997	75252	1.22E+01	0.012	1.46E+01	5.5	U	3.13E-05
041M03070	Bromomethane	8/27/1997	74839	4.03E+00	0.012	4.83E+00	10.5	U	1.81E-04
041M03070	Carbon disulfide	8/27/1997	75150		0.012		5.5	U	
041M03070	Carbon tetrachloride	8/27/1997	56235	7.73E+00	0.012	9.28E+00	5.5	U	4.94E-05
041M03070	Chlorobenzene	8/27/1997	108907	5.59E+00	0.012	6.70E+00	5.5	U	6.84E-05
041M03070	Chloroethane	8/27/1997	75003		0.012		10.5	U	
041M03070	Chloroform	8/27/1997	67663	5.59E+00	0.012	6.70E+00	5.5	U	6.84E-05
041M03070	Chloromethane	8/27/1997	74873	2.12E+00	0.012	2.55E+00	10.5	U	3.44E-04
041M03070	cis-1,3-Dichloropropene	8/27/1997	10061015		0.012		5.5	U	
041M03070	Dibromochloromethane	8/27/1997	124481		0.012		5.5	U	
041M03070	Ethylbenzene	8/27/1997	100414	9.64E+00	0.012	1.16E+01	5.5	U	3.96E-05
041M03070	Methylene chloride	8/27/1997	75092	3.73E+00	0.012	4.47E+00	5.5	U	1.02E-04
041M03070	Styrene	8/27/1997	100425	9.18E+00	0.012	1.10E+01	5.5	U	4.16E-05
041M03070	Tetrachloroethene	8/27/1997	127184	8.83E+00	0.012	1.06E+01	5.5	U	4.33E-05
041M03070	Toluene	8/27/1997	108883	8.05E+00	0.012	9.66E+00	5.5	U	4.75E-05
041M03070	trans-1,3-Dichloropropene	8/27/1997	10061026		0.012		5.5	U	
041M03070	Trichloroethene	8/27/1997	79016	6.65E+00	0.012	7.98E+00	5.5	U	5.74E-05
041M03070	Vinyl chloride	8/27/1997	75014		0.012		10.5	U	
041M03070	Xylene (Total)	8/27/1997	1330207	9.70E+00	0.012	1.16E+01	5.5	U	3.94E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 3 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A04	1,1,1-Trichloroethane	8/28/1997	71556	6.50E+00	0.007	4.55E+00	3.8	U	1.19E-04
041M5A04	1,1,2,2-Tetrachloroethane	8/28/1997	79345	8.13E+00	0.007	5.69E+00	3.8	U	9.53E-05
041M5A04	1,1,2-Trichloroethane	8/28/1997	79005	6.24E+00	0.007	4.37E+00	3.8	U	1.24E-04
041M5A04	1,1-Dichloroethane	8/28/1997	75343		0.007		3.8	U	
041M5A04	1,1-Dichloroethene	8/28/1997	75354	4.65E+00	0.007	3.25E+00	3.8	U	1.67E-04
041M5A04	1,2-Dichloroethane	8/28/1997	107062	4.43E+00	0.007	3.10E+00	3.8	U	1.75E-04
041M5A04	1,2-Dichloroethene (total)	8/28/1997	540590	4.61E+00	0.007	3.23E+00	3.8	U	1.68E-04
041M5A04	1,2-Dichloropropane	8/28/1997	78875	5.26E+00	0.007	3.69E+00	3.8	U	1.47E-04
041M5A04	2-Butanone (MEK)	8/28/1997	78933	2.93E+00	0.007	2.05E+00	7.5	U	5.23E-04
041M5A04	2-Hexanone	8/28/1997	591786	4.43E+00	0.007	3.10E+00	7.5	U	3.46E-04
041M5A04	4-Methyl-2-Pentanone (MIBK)	8/28/1997	108101	4.38E+00	0.007	3.07E+00	7.5	U	3.49E-04
041M5A04	Acetone	8/28/1997	67641	1.34E+01	0.007	9.37E+00	7.5	U	1.14E-04
041M5A04	Benzene	8/28/1997	71432	6.46E+00	0.007	4.52E+00	3.8	U	1.20E-04
041M5A04	Bromodichloromethane	8/28/1997	75274		0.007		3.8	U	
041M5A04	Bromoform	8/28/1997	75252	1.22E+01	0.007	8.53E+00	3.8	U	6.36E-05
041M5A04	Bromomethane	8/28/1997	74839	4.03E+00	0.007	2.82E+00	7.5	U	3.80E-04
041M5A04	Carbon disulfide	8/28/1997	75150		0.007		3.8	U	
041M5A04	Carbon tetrachloride	8/28/1997	56235	7.73E+00	0.007	5.41E+00	3.8	U	1.00E-04
041M5A04	Chlorobenzene	8/28/1997	108907	5.59E+00	0.007	3.91E+00	3.8	U	1.39E-04
041M5A04	Chloroethane	8/28/1997	75003		0.007		7.5	U	
041M5A04	Chloroform	8/28/1997	67663	5.59E+00	0.007	3.91E+00	3.8	U	1.39E-04
041M5A04	Chloromethane	8/28/1997	74873	2.12E+00	0.007	1.48E+00	7.5	U	7.22E-04
041M5A04	cis-1,3-Dichloropropene	8/28/1997	10061015		0.007		3.8	U	
041M5A04	Dibromochloromethane	8/28/1997	124481		0.007		3.8	U	
041M5A04	Ethylbenzene	8/28/1997	100414	9.64E+00	0.007	6.75E+00	3.8	U	8.05E-05
041M5A04	Methylene chloride	8/28/1997	75092	3.73E+00	0.007	2.61E+00	3.8	U	2.08E-04
041M5A04	Styrene	8/28/1997	100425	9.18E+00	0.007	6.42E+00	3.8	U	8.45E-05
041M5A04	Tetrachloroethene	8/28/1997	127184	8.83E+00	0.007	6.18E+00	3.8	U	8.79E-05
041M5A04	Toluene	8/28/1997	108883	8.05E+00	0.007	5.63E+00	3.8	U	9.64E-05
041M5A04	trans-1,3-Dichloropropene	8/28/1997	10061026		0.007		3.8	U	
041M5A04	Trichloroethene	8/28/1997	79016	6.65E+00	0.007	4.66E+00	3.8	U	1.17E-04
041M5A04	Vinyl chloride	8/28/1997	75014		0.007		7.5	U	
041M5A04	Xylene (Total)	8/28/1997	1330207	9.70E+00	0.007	6.79E+00	3.8	U	8.00E-05
041M5A05	1,1,1-Trichloroethane	8/28/1997	71556	6.50E+00	0.0074	4.81E+00	3.95	U	1.11E-04
041M5A05	1,1,2,2-Tetrachloroethane	8/28/1997	79345	8.13E+00	0.0074	6.02E+00	3.95	U	8.87E-05
041M5A05	1,1,2-Trichloroethane	8/28/1997	79005	6.24E+00	0.0074	4.62E+00	3.95	U	1.16E-04
041M5A05	1,1-Dichloroethane	8/28/1997	75343		0.0074		3.95	U	
041M5A05	1,1-Dichloroethene	8/28/1997	75354	4.65E+00	0.0074	3.44E+00	3.95	U	1.55E-04
041M5A05	1,2-Dichloroethane	8/28/1997	107062	4.43E+00	0.0074	3.28E+00	3.95	U	1.63E-04
041M5A05	1,2-Dichloroethene (total)	8/28/1997	540590	4.61E+00	0.0074	3.41E+00	3.95	U	1.56E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 3 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A05	1,2-Dichloropropane	8/28/1997	78875	5.26E+00	0.0074	3.90E+00	3.95	U	1.37E-04
041M5A05	2-Butanone (MEK)	8/28/1997	78933	2.93E+00	0.0074	2.17E+00	8	U	4.99E-04
041M5A05	2-Hexanone	8/28/1997	591786	4.43E+00	0.0074	3.28E+00	8	U	3.30E-04
041M5A05	4-Methyl-2-Pentanone (MIBK)	8/28/1997	108101	4.38E+00	0.0074	3.24E+00	8	U	3.33E-04
041M5A05	Acetone	8/28/1997	67641	1.34E+01	0.0074	9.91E+00	8	U	1.09E-04
041M5A05	Benzene	8/28/1997	71432	6.46E+00	0.0074	4.78E+00	3.95	U	1.12E-04
041M5A05	Bromodichloromethane	8/28/1997	75274		0.0074		3.95	U	
041M5A05	Bromoform	8/28/1997	75252	1.22E+01	0.0074	9.02E+00	3.95	U	5.92E-05
041M5A05	Bromomethane	8/28/1997	74839	4.03E+00	0.0074	2.98E+00	8	U	3.63E-04
041M5A05	Carbon disulfide	8/28/1997	75150		0.0074		3.95	U	
041M5A05	Carbon tetrachloride	8/28/1997	56235	7.73E+00	0.0074	5.72E+00	3.95	U	9.33E-05
041M5A05	Chlorobenzene	8/28/1997	108907	5.59E+00	0.0074	4.13E+00	3.95	U	1.29E-04
041M5A05	Chloroethane	8/28/1997	75003		0.0074		8	U	
041M5A05	Chloroform	8/28/1997	67663	5.59E+00	0.0074	4.13E+00	3.95	U	1.29E-04
041M5A05	Chloromethane	8/28/1997	74873	2.12E+00	0.0074	1.57E+00	8	U	6.89E-04
041M5A05	cis-1,3-Dichloropropene	8/28/1997	10061015		0.0074		3.95	U	
041M5A05	Dibromochloromethane	8/28/1997	124481		0.0074		3.95	U	
041M5A05	Ethylbenzene	8/28/1997	100414	9.64E+00	0.0074	7.13E+00	3.95	U	7.49E-05
041M5A05	Methylene chloride	8/28/1997	75092	3.73E+00	0.0074	2.76E+00	3.95	U	1.93E-04
041M5A05	Styrene	8/28/1997	100425	9.18E+00	0.0074	6.79E+00	3.95	U	7.86E-05
041M5A05	Tetrachloroethene	8/28/1997	127184	8.83E+00	0.0074	6.53E+00	3.95	U	8.17E-05
041M5A05	Toluene	8/28/1997	108883	8.05E+00	0.0074	5.95E+00	3.95	U	8.96E-05
041M5A05	trans-1,3-Dichloropropene	8/28/1997	10061026		0.0074		3.95	U	
041M5A05	Trichloroethene	8/28/1997	79016	6.65E+00	0.0074	4.92E+00	3.95	U	1.08E-04
041M5A05	Vinyl chloride	8/28/1997	75014		0.0074		8	U	
041M5A05	Xylene (Total)	8/28/1997	1330207	9.70E+00	0.0074	7.17E+00	3.95	U	7.44E-05
041M5A06	1,1,1-Trichloroethane	8/28/1997	71556	6.50E+00	0.01	6.50E+00	4.1	U	6.30E-05
041M5A06	1,1,2,2-Tetrachloroethane	8/28/1997	79345	8.13E+00	0.01	8.13E+00	4.1	U	5.04E-05
041M5A06	1,1,2-Trichloroethane	8/28/1997	79005	6.24E+00	0.01	6.24E+00	4.1	U	6.57E-05
041M5A06	1,1-Dichloroethane	8/28/1997	75343		0.01		4.1	U	
041M5A06	1,1-Dichloroethene	8/28/1997	75354	4.65E+00	0.01	4.65E+00	4.1	U	8.82E-05
041M5A06	1,2-Dichloroethane	8/28/1997	107062	4.43E+00	0.01	4.43E+00	4.1	U	9.26E-05
041M5A06	1,2-Dichloroethene (total)	8/28/1997	540590	4.61E+00	0.01	4.61E+00	4.1	U	8.89E-05
041M5A06	1,2-Dichloropropane	8/28/1997	78875	5.26E+00	0.01	5.26E+00	4.1	U	7.79E-05
041M5A06	2-Butanone (MEK)	8/28/1997	78933	2.93E+00	0.01	2.93E+00	8	U	2.73E-04
041M5A06	2-Hexanone	8/28/1997	591786	4.43E+00	0.01	4.43E+00	8	U	1.81E-04
041M5A06	4-Methyl-2-Pentanone (MIBK)	8/28/1997	108101	4.38E+00	0.01	4.38E+00	8	U	1.83E-04
041M5A06	Acetone	8/28/1997	67641	1.34E+01	0.01	1.34E+01	8	U	5.98E-05
041M5A06	Benzene	8/28/1997	71432	6.46E+00	0.01	6.46E+00	4.1	U	6.35E-05
041M5A06	Bromodichloromethane	8/28/1997	75274		0.01		4.1	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 3 Wetland: 5A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5A06	Bromoform	8/28/1997	75252	1.22E+01	0.01	1.22E+01	4.1	U	3.37E-05
041M5A06	Bromomethane	8/28/1997	74839	4.03E+00	0.01	4.03E+00	8	U	1.99E-04
041M5A06	Carbon disulfide	8/28/1997	75150		0.01		4.1	U	
041M5A06	Carbon tetrachloride	8/28/1997	56235	7.73E+00	0.01	7.73E+00	4.1	U	5.30E-05
041M5A06	Chlorobenzene	8/28/1997	108907	5.59E+00	0.01	5.59E+00	4.1	U	7.34E-05
041M5A06	Chloroethane	8/28/1997	75003		0.01		8	U	
041M5A06	Chloroform	8/28/1997	67663	5.59E+00	0.01	5.59E+00	4.1	U	7.34E-05
041M5A06	Chloromethane	8/28/1997	74873	2.12E+00	0.01	2.12E+00	8	U	3.77E-04
041M5A06	cis-1,3-Dichloropropene	8/28/1997	10061015		0.01		4.1	U	
041M5A06	Dibromochloromethane	8/28/1997	124481		0.01		4.1	U	
041M5A06	Ethylbenzene	8/28/1997	100414	9.64E+00	0.01	9.64E+00	4.1	U	4.25E-05
041M5A06	Methylene chloride	8/28/1997	75092	3.73E+00	0.01	3.73E+00	4.1	U	1.10E-04
041M5A06	Styrene	8/28/1997	100425	9.18E+00	0.01	9.18E+00	4.1	U	4.47E-05
041M5A06	Tetrachloroethene	8/28/1997	127184	8.83E+00	0.01	8.83E+00	4.1	U	4.65E-05
041M5A06	Toluene	8/28/1997	108883	8.05E+00	0.01	8.05E+00	4.1	U	5.09E-05
041M5A06	trans-1,3-Dichloropropene	8/28/1997	10061026		0.01		4.1	U	
041M5A06	Trichloroethene	8/28/1997	79016	6.65E+00	0.01	6.65E+00	4.1	U	6.16E-05
041M5A06	Vinyl chloride	8/28/1997	75014		0.01		8	U	
041M5A06	Xylene (Total)	8/28/1997	1330207	9.70E+00	0.01	9.70E+00	4.1	U	4.23E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 3 Phase: 3 Wetland: 16 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M16030	1,1,1-Trichloroethane	9/4/1997	71556	6.50E+00	0.017	1.11E+01	6.5	U	3.46E-05
041M16030	1,1,2,2-Tetrachloroethane	9/4/1997	79345	8.13E+00	0.017	1.38E+01	6.5	U	2.76E-05
041M16030	1,1,2-Trichloroethane	9/4/1997	79005	6.24E+00	0.017	1.06E+01	6.5	U	3.60E-05
041M16030	1,1-Dichloroethane	9/4/1997	75343		0.017		6.5	U	
041M16030	1,1-Dichloroethene	9/4/1997	75354	4.65E+00	0.017	7.90E+00	6.5	U	4.84E-05
041M16030	1,2-Dichloroethane	9/4/1997	107062	4.43E+00	0.017	7.53E+00	6.5	U	5.08E-05
041M16030	1,2-Dichloroethene (total)	9/4/1997	540590	4.61E+00	0.017	7.84E+00	6.5	U	4.88E-05
041M16030	1,2-Dichloropropane	9/4/1997	78875	5.26E+00	0.017	8.95E+00	6.5	U	4.27E-05
041M16030	2-Butanone (MEK)	9/4/1997	78933	2.93E+00	0.017	4.98E+00	13	U	1.54E-04
041M16030	2-Hexanone	9/4/1997	591786	4.43E+00	0.017	7.53E+00	13	U	1.02E-04
041M16030	4-Methyl-2-Pentanone (MIBK)	9/4/1997	108101	4.38E+00	0.017	7.45E+00	13	U	1.03E-04
041M16030	Acetone	9/4/1997	67641	1.34E+01	0.017	2.28E+01	13	U	3.36E-05
041M16030	Benzene	9/4/1997	71432	6.46E+00	0.017	1.10E+01	6.5	U	3.48E-05
041M16030	Bromodichloromethane	9/4/1997	75274		0.017		6.5	U	
041M16030	Bromoform	9/4/1997	75252	1.22E+01	0.017	2.07E+01	6.5	U	1.85E-05
041M16030	Bromomethane	9/4/1997	74839	4.03E+00	0.017	6.85E+00	13	U	1.12E-04
041M16030	Carbon disulfide	9/4/1997	75150		0.017		6.5	U	
041M16030	Carbon tetrachloride	9/4/1997	56235	7.73E+00	0.017	1.31E+01	6.5	U	2.91E-05
041M16030	Chlorobenzene	9/4/1997	108907	5.59E+00	0.017	9.50E+00	6.5	U	4.03E-05
041M16030	Chloroethane	9/4/1997	75003		0.017		13	U	
041M16030	Chloroform	9/4/1997	67663	5.59E+00	0.017	9.50E+00	6.5	U	4.03E-05
041M16030	Chloromethane	9/4/1997	74873	2.12E+00	0.017	3.61E+00	13	U	2.12E-04
041M16030	cis-1,3-Dichloropropene	9/4/1997	10061015		0.017		6.5	U	
041M16030	Dibromochloromethane	9/4/1997	124481		0.017		6.5	U	
041M16030	Ethylbenzene	9/4/1997	100414	9.64E+00	0.017	1.64E+01	6.5	U	2.33E-05
041M16030	Methylene chloride	9/4/1997	75092	3.73E+00	0.017	6.34E+00	6.5	U	6.03E-05
041M16030	Styrene	9/4/1997	100425	9.18E+00	0.017	1.56E+01	6.5	U	2.45E-05
041M16030	Tetrachloroethene	9/4/1997	127184	8.83E+00	0.017	1.50E+01	6.5	U	2.55E-05
041M16030	Toluene	9/4/1997	108883	8.05E+00	0.017	1.37E+01	6.5	U	2.79E-05
041M16030	trans-1,3-Dichloropropene	9/4/1997	10061026		0.017		6.5	U	
041M16030	Trichloroethene	9/4/1997	79016	6.65E+00	0.017	1.13E+01	6.5	U	3.38E-05
041M16030	Vinyl chloride	9/4/1997	75014		0.017		13	U	
041M16030	Xylene (Total)	9/4/1997	1330207	9.70E+00	0.017	1.65E+01	6.5	U	2.32E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 4 Phase: 3 Wetland: 18B Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M18B1	1,1,1-Trichloroethane	8/29/1997	71556	6.50E+00	0.009	5.85E+00	5	U	9.49E-05
041M18B1	1,1,2,2-Tetrachloroethane	8/29/1997	79345	8.13E+00	0.009	7.32E+00	5	U	7.59E-05
041M18B1	1,1,2-Trichloroethane	8/29/1997	79005	6.24E+00	0.009	5.62E+00	5	U	9.89E-05
041M18B1	1,1-Dichloroethane	8/29/1997	75343		0.009		5	U	
041M18B1	1,1-Dichloroethene	8/29/1997	75354	4.65E+00	0.009	4.18E+00	5	U	1.33E-04
041M18B1	1,2-Dichloroethane	8/29/1997	107062	4.43E+00	0.009	3.99E+00	5	U	1.39E-04
041M18B1	1,2-Dichloroethene (total)	8/29/1997	540590	4.61E+00	0.009	4.15E+00	5	U	1.34E-04
041M18B1	1,2-Dichloropropane	8/29/1997	78875	5.26E+00	0.009	4.74E+00	5	U	1.17E-04
041M18B1	2-Butanone (MEK)	8/29/1997	78933	2.93E+00	0.009	2.64E+00	10	U	4.22E-04
041M18B1	2-Hexanone	8/29/1997	591786	4.43E+00	0.009	3.99E+00	10	U	2.79E-04
041M18B1	4-Methyl-2-Pentanone (MIBK)	8/29/1997	108101	4.38E+00	0.009	3.94E+00	10	U	2.82E-04
041M18B1	Acetone	8/29/1997	67641	1.34E+01	0.009	1.20E+01	53		4.89E-04
041M18B1	Benzene	8/29/1997	71432	6.46E+00	0.009	5.82E+00	5	U	9.55E-05
041M18B1	Bromodichloromethane	8/29/1997	75274		0.009		5	U	
041M18B1	Bromoform	8/29/1997	75252	1.22E+01	0.009	1.10E+01	5	U	5.07E-05
041M18B1	Bromomethane	8/29/1997	74839	4.03E+00	0.009	3.63E+00	10	U	3.06E-04
041M18B1	Carbon disulfide	8/29/1997	75150		0.009		5	U	
041M18B1	Carbon tetrachloride	8/29/1997	56235	7.73E+00	0.009	6.96E+00	5	U	7.98E-05
041M18B1	Chlorobenzene	8/29/1997	108907	5.59E+00	0.009	5.03E+00	5	U	1.11E-04
041M18B1	Chloroethane	8/29/1997	75003		0.009		10	U	
041M18B1	Chloroform	8/29/1997	67663	5.59E+00	0.009	5.03E+00	5	U	1.10E-04
041M18B1	Chloromethane	8/29/1997	74873	2.12E+00	0.009	1.91E+00	10	U	5.82E-04
041M18B1	cis-1,3-Dichloropropene	8/29/1997	10061015		0.009		5	U	
041M18B1	Dibromochloromethane	8/29/1997	124481		0.009		5	U	
041M18B1	Ethylbenzene	8/29/1997	100414	9.64E+00	0.009	8.67E+00	5	U	6.41E-05
041M18B1	Methylene chloride	8/29/1997	75092	3.73E+00	0.009	3.36E+00	5	U	1.66E-04
041M18B1	Styrene	8/29/1997	100425	9.18E+00	0.009	8.26E+00	5	U	6.73E-05
041M18B1	Tetrachloroethene	8/29/1997	127184	8.83E+00	0.009	7.94E+00	5	U	6.99E-05
041M18B1	Toluene	8/29/1997	108883	8.05E+00	0.009	7.24E+00	5	U	7.67E-05
041M18B1	trans-1,3-Dichloropropene	8/29/1997	10061026		0.009		5	U	
041M18B1	Trichloroethene	8/29/1997	79016	6.65E+00	0.009	5.99E+00	5	U	9.28E-05
041M18B1	Vinyl chloride	8/29/1997	75014		0.009		10	U	
041M18B1	Xylene (Total)	8/29/1997	1330207	9.70E+00	0.009	8.73E+00	5	U	6.37E-05

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 3 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64040	1,1,1-Trichloroethane	9/4/1997	71556	6.50E+00	0.07	4.55E+01	10	U	3.14E-06
041M64040	1,1,2,2-Tetrachloroethane	9/4/1997	79345	8.13E+00	0.07	5.69E+01	10	U	2.51E-06
041M64040	1,1,2-Trichloroethane	9/4/1997	79005	6.24E+00	0.07	4.37E+01	10	U	3.27E-06
041M64040	1,1-Dichloroethane	9/4/1997	75343		0.07		10	U	
041M64040	1,1-Dichloroethene	9/4/1997	75354	4.65E+00	0.07	3.25E+01	10	U	4.39E-06
041M64040	1,2-Dichloroethane	9/4/1997	107062	4.43E+00	0.07	3.10E+01	10	U	4.61E-06
041M64040	1,2-Dichloroethene (total)	9/4/1997	540590	4.61E+00	0.07	3.23E+01	10	U	4.42E-06
041M64040	1,2-Dichloropropane	9/4/1997	78875	5.26E+00	0.07	3.69E+01	10	U	3.88E-06
041M64040	2-Butanone (MEK)	9/4/1997	78933	2.93E+00	0.07	2.05E+01	20	U	1.39E-05
041M64040	2-Hexanone	9/4/1997	591786	4.43E+00	0.07	3.10E+01	20	U	9.21E-06
041M64040	4-Methyl-2-Pentanone (MIBK)	9/4/1997	108101	4.38E+00	0.07	3.07E+01	20	U	9.31E-06
041M64040	Acetone	9/4/1997	67641	1.34E+01	0.07	9.37E+01	32	J	4.88E-06
041M64040	Benzene	9/4/1997	71432	6.46E+00	0.07	4.52E+01	10	U	3.16E-06
041M64040	Bromodichloromethane	9/4/1997	75274		0.07		10	U	
041M64040	Bromoform	9/4/1997	75252	1.22E+01	0.07	8.53E+01	10	U	1.67E-06
041M64040	Bromomethane	9/4/1997	74839	4.03E+00	0.07	2.82E+01	20	U	1.01E-05
041M64040	Carbon disulfide	9/4/1997	75150		0.07		10	U	
041M64040	Carbon tetrachloride	9/4/1997	56235	7.73E+00	0.07	5.41E+01	10	U	2.64E-06
041M64040	Chlorobenzene	9/4/1997	108907	5.59E+00	0.07	3.91E+01	10	U	3.65E-06
041M64040	Chloroethane	9/4/1997	75003		0.07		20	U	
041M64040	Chloroform	9/4/1997	67663	5.59E+00	0.07	3.91E+01	10	U	3.65E-06
041M64040	Chloromethane	9/4/1997	74873	2.12E+00	0.07	1.48E+01	20	U	1.92E-05
041M64040	cis-1,3-Dichloropropene	9/4/1997	10061015		0.07		10	U	
041M64040	Dibromochloromethane	9/4/1997	124481		0.07		10	U	
041M64040	Ethylbenzene	9/4/1997	100414	9.64E+00	0.07	6.75E+01	10	U	2.12E-06
041M64040	Methylene chloride	9/4/1997	75092	3.73E+00	0.07	2.61E+01	10	U	5.47E-06
041M64040	Styrene	9/4/1997	100425	9.18E+00	0.07	6.42E+01	10	U	2.22E-06
041M64040	Tetrachloroethene	9/4/1997	127184	8.83E+00	0.07	6.18E+01	10	U	2.31E-06
041M64040	Toluene	9/4/1997	108883	8.05E+00	0.07	5.63E+01	10	U	2.54E-06
041M64040	trans-1,3-Dichloropropene	9/4/1997	10061026		0.07		10	U	
041M64040	Trichloroethene	9/4/1997	79016	6.65E+00	0.07	4.66E+01	10	U	3.07E-06
041M64040	Vinyl chloride	9/4/1997	75014		0.07		20	U	
041M64040	Xylene (Total)	9/4/1997	1330207	9.70E+00	0.07	6.79E+01	10	U	2.10E-06
041M64050	1,1,1-Trichloroethane	9/4/1997	71556	6.50E+00	0.06	3.90E+01	6.5	U	2.78E-06
041M64050	1,1,2,2-Tetrachloroethane	9/4/1997	79345	8.13E+00	0.06	4.88E+01	6.5	U	2.22E-06
041M64050	1,1,2-Trichloroethane	9/4/1997	79005	6.24E+00	0.06	3.75E+01	6.5	U	2.89E-06
041M64050	1,1-Dichloroethane	9/4/1997	75343		0.06		6.5	U	
041M64050	1,1-Dichloroethene	9/4/1997	75354	4.65E+00	0.06	2.79E+01	6.5	U	3.88E-06
041M64050	1,2-Dichloroethane	9/4/1997	107062	4.43E+00	0.06	2.66E+01	6.5	U	4.08E-06
041M64050	1,2-Dichloroethene (total)	9/4/1997	540590	4.61E+00	0.06	2.77E+01	6.5	U	3.91E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 3 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64050	1,2-Dichloropropane	9/4/1997	78875	5.26E+00	0.06	3.16E+01	6.5	U	3.43E-06
041M64050	2-Butanone (MEK)	9/4/1997	78933	2.93E+00	0.06	1.76E+01	13	U	1.23E-05
041M64050	2-Hexanone	9/4/1997	591786	4.43E+00	0.06	2.66E+01	13	U	8.15E-06
041M64050	4-Methyl-2-Pentanone (MIBK)	9/4/1997	108101	4.38E+00	0.06	2.63E+01	13	U	8.24E-06
041M64050	Acetone	9/4/1997	67641	1.34E+01	0.06	8.03E+01	32	J	6.64E-06
041M64050	Benzene	9/4/1997	71432	6.46E+00	0.06	3.88E+01	6.5	U	2.79E-06
041M64050	Bromodichloromethane	9/4/1997	75274		0.06		6.5	U	
041M64050	Bromoform	9/4/1997	75252	1.22E+01	0.06	7.31E+01	6.5	U	1.48E-06
041M64050	Bromomethane	9/4/1997	74839	4.03E+00	0.06	2.42E+01	13	U	8.96E-06
041M64050	Carbon disulfide	9/4/1997	75150		0.06		6.5	U	
041M64050	Carbon tetrachloride	9/4/1997	56235	7.73E+00	0.06	4.64E+01	6.5	U	2.33E-06
041M64050	Chlorobenzene	9/4/1997	108907	5.59E+00	0.06	3.35E+01	6.5	U	3.23E-06
041M64050	Chloroethane	9/4/1997	75003		0.06		13	U	
041M64050	Chloroform	9/4/1997	67663	5.59E+00	0.06	3.35E+01	6.5	U	3.23E-06
041M64050	Chloromethane	9/4/1997	74873	2.12E+00	0.06	1.27E+01	13	U	1.70E-05
041M64050	cis-1,3-Dichloropropene	9/4/1997	10061015		0.06		6.5	U	
041M64050	Dibromochloromethane	9/4/1997	124481		0.06		6.5	U	
041M64050	Ethylbenzene	9/4/1997	100414	9.64E+00	0.06	5.78E+01	6.5	U	1.87E-06
041M64050	Methylene chloride	9/4/1997	75092	3.73E+00	0.06	2.24E+01	6.5	U	4.84E-06
041M64050	Styrene	9/4/1997	100425	9.18E+00	0.06	5.51E+01	6.5	U	1.97E-06
041M64050	Tetrachloroethene	9/4/1997	127184	8.83E+00	0.06	5.30E+01	6.5	U	2.05E-06
041M64050	Toluene	9/4/1997	108883	8.05E+00	0.06	4.83E+01	6.5	U	2.24E-06
041M64050	trans-1,3-Dichloropropene	9/4/1997	10061026		0.06		6.5	U	
041M64050	Trichloroethene	9/4/1997	79016	6.65E+00	0.06	3.99E+01	6.5	U	2.71E-06
041M64050	Vinyl chloride	9/4/1997	75014		0.06		13	U	
041M64050	Xylene (Total)	9/4/1997	1330207	9.70E+00	0.06	5.82E+01	6.5	U	1.86E-06
041M64060	1,1,1-Trichloroethane	9/3/1997	71556	6.50E+00	0.086	5.59E+01	14.5	U	3.01E-06
041M64060	1,1,2,2-Tetrachloroethane	9/3/1997	79345	8.13E+00	0.086	7.00E+01	14.5	U	2.41E-06
041M64060	1,1,2-Trichloroethane	9/3/1997	79005	6.24E+00	0.086	5.37E+01	14.5	U	3.14E-06
041M64060	1,1-Dichloroethane	9/3/1997	75343		0.086		14.5	U	
041M64060	1,1-Dichloroethene	9/3/1997	75354	4.65E+00	0.086	4.00E+01	14.5	U	4.22E-06
041M64060	1,2-Dichloroethane	9/3/1997	107062	4.43E+00	0.086	3.81E+01	14.5	U	4.43E-06
041M64060	1,2-Dichloroethene (total)	9/3/1997	540590	4.61E+00	0.086	3.97E+01	14.5	U	4.25E-06
041M64060	1,2-Dichloropropane	9/3/1997	78875	5.26E+00	0.086	4.53E+01	14.5	U	3.72E-06
041M64060	2-Butanone (MEK)	9/3/1997	78933	2.93E+00	0.086	2.52E+01	29.5	U	1.36E-05
041M64060	2-Hexanone	9/3/1997	591786	4.43E+00	0.086	3.81E+01	29.5	U	9.00E-06
041M64060	4-Methyl-2-Pentanone (MIBK)	9/3/1997	108101	4.38E+00	0.086	3.77E+01	29.5	U	9.10E-06
041M64060	Acetone	9/3/1997	67641	1.34E+01	0.086	1.15E+02	29.5	U	2.98E-06
041M64060	Benzene	9/3/1997	71432	6.46E+00	0.086	5.56E+01	14.5	U	3.03E-06
041M64060	Bromodichloromethane	9/3/1997	75274		0.086		14.5	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 5 Phase: 3 Wetland: 64 Fresh/Salt: S

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M64060	Bromoform	9/3/1997	75252	1.22E+01	0.086	1.05E+02	14.5	U	1.61E-06
041M64060	Bromomethane	9/3/1997	74839	4.03E+00	0.086	3.46E+01	29.5	U	9.90E-06
041M64060	Carbon disulfide	9/3/1997	75150		0.086		14.5	U	
041M64060	Carbon tetrachloride	9/3/1997	56235	7.73E+00	0.086	6.65E+01	14.5	U	2.54E-06
041M64060	Chlorobenzene	9/3/1997	108907	5.59E+00	0.086	4.80E+01	14.5	U	3.51E-06
041M64060	Chloroethane	9/3/1997	75003		0.086		29.5	U	
041M64060	Chloroform	9/3/1997	67663	5.59E+00	0.086	4.80E+01	14.5	U	3.51E-06
041M64060	Chloromethane	9/3/1997	74873	2.12E+00	0.086	1.82E+01	29.5	U	1.88E-05
041M64060	cis-1,3-Dichloropropene	9/3/1997	10061015		0.086		14.5	U	
041M64060	Dibromochloromethane	9/3/1997	124481		0.086		14.5	U	
041M64060	Ethylbenzene	9/3/1997	100414	9.64E+00	0.086	8.29E+01	14.5	U	2.03E-06
041M64060	Methylene chloride	9/3/1997	75092	3.73E+00	0.086	3.21E+01	14.5	U	5.26E-06
041M64060	Styrene	9/3/1997	100425	9.18E+00	0.086	7.89E+01	14.5	U	2.14E-06
041M64060	Tetrachloroethene	9/3/1997	127184	8.83E+00	0.086	7.59E+01	14.5	U	2.22E-06
041M64060	Toluene	9/3/1997	108883	8.05E+00	0.086	6.92E+01	14.5	U	2.44E-06
041M64060	trans-1,3-Dichloropropene	9/3/1997	10061026		0.086		14.5	U	
041M64060	Trichloroethene	9/3/1997	79016	6.65E+00	0.086	5.72E+01	14.5	U	2.95E-06
041M64060	Vinyl chloride	9/3/1997	75014		0.086		29.5	U	
041M64060	Xylene (Total)	9/3/1997	1330207	9.70E+00	0.086	8.34E+01	14.5	U	2.02E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 6 Phase: 3 Wetland: 75 Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M75010	1,1,1-Trichloroethane	8/28/1997	71556	6.50E+00	0.041	2.67E+01	4.15	U	3.80E-06
041M75010	1,1,2,2-Tetrachloroethane	8/28/1997	79345	8.13E+00	0.041	3.34E+01	4.15	U	3.03E-06
041M75010	1,1,2-Trichloroethane	8/28/1997	79005	6.24E+00	0.041	2.56E+01	4.15	U	3.95E-06
041M75010	1,1-Dichloroethane	8/28/1997	75343		0.041		4.15	U	
041M75010	1,1-Dichloroethene	8/28/1997	75354	4.65E+00	0.041	1.91E+01	4.15	U	5.31E-06
041M75010	1,2-Dichloroethane	8/28/1997	107062	4.43E+00	0.041	1.82E+01	4.15	U	5.57E-06
041M75010	1,2-Dichloroethene (total)	8/28/1997	540590	4.61E+00	0.041	1.89E+01	4.15	U	5.35E-06
041M75010	1,2-Dichloropropane	8/28/1997	78875	5.26E+00	0.041	2.16E+01	4.15	U	4.69E-06
041M75010	2-Butanone (MEK)	8/28/1997	78933	2.93E+00	0.041	1.20E+01	8.5	U	1.73E-05
041M75010	2-Hexanone	8/28/1997	591786	4.43E+00	0.041	1.82E+01	8.5	U	1.14E-05
041M75010	4-Methyl-2-Pentanone (MIBK)	8/28/1997	108101	4.38E+00	0.041	1.80E+01	8.5	U	1.15E-05
041M75010	Acetone	8/28/1997	67641	1.34E+01	0.041	5.49E+01	16	J	7.11E-06
041M75010	Benzene	8/28/1997	71432	6.46E+00	0.041	2.65E+01	4.15	U	3.82E-06
041M75010	Bromodichloromethane	8/28/1997	75274		0.041		4.15	U	
041M75010	Bromoform	8/28/1997	75252	1.22E+01	0.041	5.00E+01	4.15	U	2.03E-06
041M75010	Bromomethane	8/28/1997	74839	4.03E+00	0.041	1.65E+01	8.5	U	1.26E-05
041M75010	Carbon disulfide	8/28/1997	75150		0.041		4.15	U	
041M75010	Carbon tetrachloride	8/28/1997	56235	7.73E+00	0.041	3.17E+01	4.15	U	3.19E-06
041M75010	Chlorobenzene	8/28/1997	108907	5.59E+00	0.041	2.29E+01	4.15	U	4.42E-06
041M75010	Chloroethane	8/28/1997	75003		0.041		8.5	U	
041M75010	Chloroform	8/28/1997	67663	5.59E+00	0.041	2.29E+01	4.15	U	4.42E-06
041M75010	Chloromethane	8/28/1997	74873	2.12E+00	0.041	8.70E+00	8.5	U	2.38E-05
041M75010	cis-1,3-Dichloropropene	8/28/1997	10061015		0.041		4.15	U	
041M75010	Dibromochloromethane	8/28/1997	124481		0.041		4.15	U	
041M75010	Ethylbenzene	8/28/1997	100414	9.64E+00	0.041	3.95E+01	4.15	U	2.56E-06
041M75010	Methylene chloride	8/28/1997	75092	3.73E+00	0.041	1.53E+01	4.15	U	6.62E-06
041M75010	Styrene	8/28/1997	100425	9.18E+00	0.041	3.76E+01	4.15	U	2.69E-06
041M75010	Tetrachloroethene	8/28/1997	127184	8.83E+00	0.041	3.62E+01	4.15	U	2.80E-06
041M75010	Toluene	8/28/1997	108883	8.05E+00	0.041	3.30E+01	4.15	U	3.07E-06
041M75010	trans-1,3-Dichloropropene	8/28/1997	10061026		0.041		4.15	U	
041M75010	Trichloroethene	8/28/1997	79016	6.65E+00	0.041	2.73E+01	4.15	U	3.71E-06
041M75010	Vinyl chloride	8/28/1997	75014		0.041		8.5	U	
041M75010	Xylene (Total)	8/28/1997	1330207	9.70E+00	0.041	3.98E+01	4.15	U	2.55E-06

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 4 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B02	1,1,1-Trichloroethane	4/6/2004	71556	6.50E+00	0.015	9.76E+00	0.9	U	6.15E-06
041M5B02	1,1,2,2-Tetrachloroethane	4/6/2004	79345	8.13E+00	0.015	1.22E+01	2.2	U	1.20E-05
041M5B02	1,1,2-Trichloroethane	4/6/2004	79005	6.24E+00	0.015	9.36E+00	1.95	U	1.39E-05
041M5B02	1,1-Dichloroethane	4/6/2004	75343		0.015		1.1	U	
041M5B02	1,1-Dichloroethene	4/6/2004	75354	4.65E+00	0.015	6.97E+00	1.85	U	1.77E-05
041M5B02	1,2-Dichloroethane	4/6/2004	107062	4.43E+00	0.015	6.64E+00	1.65	U	1.66E-05
041M5B02	1,2-Dichloropropane	4/6/2004	78875	5.26E+00	0.015	7.90E+00	1.3	U	1.10E-05
041M5B02	2-Butanone (MEK)	4/6/2004	78933	2.93E+00	0.015	4.39E+00	5	U	7.59E-05
041M5B02	2-Hexanone	4/6/2004	591786	4.43E+00	0.015	6.64E+00	5.5	U	5.52E-05
041M5B02	4-Methyl-2-Pentanone (MIBK)	4/6/2004	108101	4.38E+00	0.015	6.57E+00	5.5	U	5.58E-05
041M5B02	Acetone	4/6/2004	67641	1.34E+01	0.015	2.01E+01	28	I	9.30E-05
041M5B02	Benzene	4/6/2004	71432	6.46E+00	0.015	9.69E+00	1.2	U	8.25E-06
041M5B02	Bromodichloromethane	4/6/2004	75274		0.015		1.4	U	
041M5B02	Bromoform	4/6/2004	75252	1.22E+01	0.015	1.83E+01	1.85	U	6.75E-06
041M5B02	Bromomethane	4/6/2004	74839	4.03E+00	0.015	6.04E+00	3.7	U	4.08E-05
041M5B02	Carbon disulfide	4/6/2004	75150		0.015		2.2	U	
041M5B02	Carbon tetrachloride	4/6/2004	56235	7.73E+00	0.015	1.16E+01	1	U	5.75E-06
041M5B02	Chlorobenzene	4/6/2004	108907	5.59E+00	0.015	8.38E+00	1.4	U	1.11E-05
041M5B02	Chloroethane	4/6/2004	75003		0.015		1.85	U	
041M5B02	Chloroform	4/6/2004	67663	5.59E+00	0.015	8.38E+00	1.3	U	1.03E-05
041M5B02	Chloromethane	4/6/2004	74873	2.12E+00	0.015	3.18E+00	1.5	U	3.14E-05
041M5B02	cis-1,2-Dichloroethene	4/6/2004	156592	4.61E+00	0.015	6.92E+00	1.2	U	1.16E-05
041M5B02	cis-1,3-Dichloropropene	4/6/2004	10061015		0.015		1.3	U	
041M5B02	Dibromochloromethane	4/6/2004	124481		0.015		1.5	U	
041M5B02	Ethylbenzene	4/6/2004	100414	9.64E+00	0.015	1.45E+01	1.1	U	5.07E-06
041M5B02	Methylene chloride	4/6/2004	75092	3.73E+00	0.015	5.59E+00	2.6	U	3.10E-05
041M5B02	Styrene	4/6/2004	100425	9.18E+00	0.015	1.38E+01	1.2	U	5.81E-06
041M5B02	Tetrachloroethene	4/6/2004	127184	8.83E+00	0.015	1.32E+01	1.65	U	8.31E-06
041M5B02	Toluene	4/6/2004	108883	8.05E+00	0.015	1.21E+01	1.95	U	1.08E-05
041M5B02	trans-1,2-Dichloroethene	4/6/2004	156605	4.61E+00	0.015	6.92E+00	1.3	U	1.25E-05
041M5B02	trans-1,3-Dichloropropene	4/6/2004	10061026		0.015		1.75	U	
041M5B02	Trichloroethene	4/6/2004	79016	6.65E+00	0.015	9.98E+00	1.2	U	8.02E-06
041M5B02	Vinyl chloride	4/6/2004	75014		0.015		3.7	I	
041M5B02	Xylene (Total)	4/6/2004	1330207	9.70E+00	0.015	1.45E+01	3.25	U	1.49E-05
041M5B03	1,1,1-Trichloroethane	4/6/2004	71556	6.50E+00	0.0038	2.47E+00	0.7	U	7.45E-05
041M5B03	1,1,2,2-Tetrachloroethane	4/6/2004	79345	8.13E+00	0.0038	3.09E+00	1.75	U	1.49E-04
041M5B03	1,1,2-Trichloroethane	4/6/2004	79005	6.24E+00	0.0038	2.37E+00	1.6	U	1.77E-04
041M5B03	1,1-Dichloroethane	4/6/2004	75343		0.0038		0.9	U	
041M5B03	1,1-Dichloroethene	4/6/2004	75354	4.65E+00	0.0038	1.77E+00	1.5	U	2.23E-04
041M5B03	1,2-Dichloroethane	4/6/2004	107062	4.43E+00	0.0038	1.68E+00	1.3	U	2.03E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 4 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B03	1,2-Dichloropropane	4/6/2004	78875	5.26E+00	0.0038	2.00E+00	1.05	U	1.38E-04
041M5B03	2-Butanone (MEK)	4/6/2004	78933	2.93E+00	0.0038	1.11E+00	4.1	U	9.70E-04
041M5B03	2-Hexanone	4/6/2004	591786	4.43E+00	0.0038	1.68E+00	4.45	U	6.96E-04
041M5B03	4-Methyl-2-Pentanone (MIBK)	4/6/2004	108101	4.38E+00	0.0038	1.67E+00	4.4	U	6.95E-04
041M5B03	Acetone	4/6/2004	67641	1.34E+01	0.0038	5.09E+00	21	I	1.09E-03
041M5B03	Benzene	4/6/2004	71432	6.46E+00	0.0038	2.46E+00	0.95	U	1.02E-04
041M5B03	Bromodichloromethane	4/6/2004	75274		0.0038		1.15	U	
041M5B03	Bromoform	4/6/2004	75252	1.22E+01	0.0038	4.63E+00	1.5	U	8.53E-05
041M5B03	Bromomethane	4/6/2004	74839	4.03E+00	0.0038	1.53E+00	3	U	5.16E-04
041M5B03	Carbon disulfide	4/6/2004	75150		0.0038		1.75	U	
041M5B03	Carbon tetrachloride	4/6/2004	56235	7.73E+00	0.0038	2.94E+00	0.8	U	7.16E-05
041M5B03	Chlorobenzene	4/6/2004	108907	5.59E+00	0.0038	2.12E+00	1.15	U	1.43E-04
041M5B03	Chloroethane	4/6/2004	75003		0.0038		1.5	U	
041M5B03	Chloroform	4/6/2004	67663	5.59E+00	0.0038	2.12E+00	1.05	U	1.30E-04
041M5B03	Chloromethane	4/6/2004	74873	2.12E+00	0.0038	8.06E-01	1.2	U	3.92E-04
041M5B03	cis-1,2-Dichloroethene	4/6/2004	156592	4.61E+00	0.0038	1.75E+00	0.95	U	1.43E-04
041M5B03	cis-1,3-Dichloropropene	4/6/2004	10061015		0.0038		1.05	U	
041M5B03	Dibromochloromethane	4/6/2004	124481		0.0038		1.2	U	
041M5B03	Ethylbenzene	4/6/2004	100414	9.64E+00	0.0038	3.66E+00	0.9	U	6.47E-05
041M5B03	Methylene chloride	4/6/2004	75092	3.73E+00	0.0038	1.42E+00	2.1	U	3.90E-04
041M5B03	Styrene	4/6/2004	100425	9.18E+00	0.0038	3.49E+00	0.95	U	7.17E-05
041M5B03	Tetrachloroethene	4/6/2004	127184	8.83E+00	0.0038	3.35E+00	1.3	U	1.02E-04
041M5B03	Toluene	4/6/2004	108883	8.05E+00	0.0038	3.06E+00	1.6	U	1.38E-04
041M5B03	trans-1,2-Dichloroethene	4/6/2004	156605	4.61E+00	0.0038	1.75E+00	1.05	U	1.58E-04
041M5B03	trans-1,3-Dichloropropene	4/6/2004	10061026		0.0038		1.4	U	
041M5B03	Trichloroethene	4/6/2004	79016	6.65E+00	0.0038	2.53E+00	0.95	U	9.89E-05
041M5B03	Vinyl chloride	4/6/2004	75014		0.0038		1.2	U	
041M5B03	Xylene (Total)	4/6/2004	1330207	9.70E+00	0.0038	3.68E+00	2.6	U	1.86E-04
041M5B04	1,1,1-Trichloroethane	4/6/2004	71556	6.50E+00	0.0035	2.28E+00	0.6	U	7.53E-05
041M5B04	1,1,2,2-Tetrachloroethane	4/6/2004	79345	8.13E+00	0.0035	2.85E+00	1.5	U	1.51E-04
041M5B04	1,1,2-Trichloroethane	4/6/2004	79005	6.24E+00	0.0035	2.18E+00	1.35	U	1.77E-04
041M5B04	1,1-Dichloroethane	4/6/2004	75343		0.0035		0.75	U	
041M5B04	1,1-Dichloroethene	4/6/2004	75354	4.65E+00	0.0035	1.63E+00	1.3	U	2.28E-04
041M5B04	1,2-Dichloroethane	4/6/2004	107062	4.43E+00	0.0035	1.55E+00	1.15	U	2.12E-04
041M5B04	1,2-Dichloropropane	4/6/2004	78875	5.26E+00	0.0035	1.84E+00	0.9	U	1.40E-04
041M5B04	2-Butanone (MEK)	4/6/2004	78933	2.93E+00	0.0035	1.02E+00	3.55	U	9.90E-04
041M5B04	2-Hexanone	4/6/2004	591786	4.43E+00	0.0035	1.55E+00	3.85	U	7.10E-04
041M5B04	4-Methyl-2-Pentanone (MIBK)	4/6/2004	108101	4.38E+00	0.0035	1.53E+00	3.75	U	6.98E-04
041M5B04	Acetone	4/6/2004	67641	1.34E+01	0.0035	4.68E+00	6	U	3.66E-04
041M5B04	Benzene	4/6/2004	71432	6.46E+00	0.0035	2.26E+00	0.85	U	1.07E-04

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 4 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B04	Bromodichloromethane	4/6/2004	75274		0.0035		1	U	
041M5B04	Bromoform	4/6/2004	75252	1.22E+01	0.0035	4.26E+00	1.3	U	8.71E-05
041M5B04	Bromomethane	4/6/2004	74839	4.03E+00	0.0035	1.41E+00	2.55	U	5.17E-04
041M5B04	Carbon disulfide	4/6/2004	75150		0.0035		1.5	U	
041M5B04	Carbon tetrachloride	4/6/2004	56235	7.73E+00	0.0035	2.71E+00	0.7	U	7.39E-05
041M5B04	Chlorobenzene	4/6/2004	108907	5.59E+00	0.0035	1.95E+00	1	U	1.46E-04
041M5B04	Chloroethane	4/6/2004	75003		0.0035		1.3	U	
041M5B04	Chloroform	4/6/2004	67663	5.59E+00	0.0035	1.96E+00	0.9	U	1.32E-04
041M5B04	Chloromethane	4/6/2004	74873	2.12E+00	0.0035	7.42E-01	1.05	U	4.04E-04
041M5B04	cis-1,2-Dichloroethene	4/6/2004	156592	4.61E+00	0.0035	1.61E+00	0.85	U	1.50E-04
041M5B04	cis-1,3-Dichloropropene	4/6/2004	10061015		0.0035		0.9	U	
041M5B04	Dibromochloromethane	4/6/2004	124481		0.0035	—	1.05	U	
041M5B04	Ethylbenzene	4/6/2004	100414	9.64E+00	0.0035	3.37E+00	0.75	U	6.35E-05
041M5B04	Methylene chloride	4/6/2004	75092	3.73E+00	0.0035	1.30E+00	1.8	U	3.94E-04
041M5B04	Styrene	4/6/2004	100425	9.18E+00	0.0035	3.21E+00	0.85	U	7.56E-05
041M5B04	Tetrachloroethene	4/6/2004	127184	8.83E+00	0.0035	3.09E+00	1.15	U	1.06E-04
041M5B04	Toluene	4/6/2004	108883	8.05E+00	0.0035	2.82E+00	3.5	J	3.55E-04
041M5B04	trans-1,2-Dichloroethene	4/6/2004	156605	4.61E+00	0.0035	1.61E+00	0.9	U	1.59E-04
041M5B04	trans-1,3-Dichloropropene	4/6/2004	10061026		0.0035		1.2	U	
041M5B04	Trichloroethene	4/6/2004	79016	6.65E+00	0.0035	2.33E+00	0.85	U	1.04E-04
041M5B04	Vinyl chloride	4/6/2004	75014		0.0035		1.05	U	
041M5B04	Xylene (Total)	4/6/2004	1330207	9.70E+00	0.0035	3.39E+00	2.25	U	1.89E-04
041M5B05	1,1,1-Trichloroethane	4/6/2004	71556	6.50E+00	0.014	9.11E+00	0.65	U	5.10E-06
041M5B05	1,1,2,2-Tetrachloroethane	4/6/2004	79345	8.13E+00	0.014	1.14E+01	1.65	U	1.03E-05
041M5B05	1,1,2-Trichloroethane	4/6/2004	79005	6.24E+00	0.014	8.74E+00	1.45	U	1.19E-05
041M5B05	1,1-Dichloroethane	4/6/2004	75343		0.014		0.8	U	
041M5B05	1,1-Dichloroethene	4/6/2004	75354	4.65E+00	0.014	6.51E+00	1.4	U	1.54E-05
041M5B05	1,2-Dichloroethane	4/6/2004	107062	4.43E+00	0.014	6.20E+00	1.2	U	1.38E-05
041M5B05	1,2-Dichloropropane	4/6/2004	78875	5.26E+00	0.014	7.37E+00	1	U	9.69E-06
041M5B05	2-Butanone (MEK)	4/6/2004	78933	2.93E+00	0.014	4.10E+00	3.85	U	6.71E-05
041M5B05	2-Hexanone	4/6/2004	591786	4.43E+00	0.014	6.20E+00	4.15	U	4.78E-05
041M5B05	4-Methyl-2-Pentanone (MIBK)	4/6/2004	108101	4.38E+00	0.014	6.14E+00	4.1	U	4.77E-05
041M5B05	Acetone	4/6/2004	67641	1.34E+01	0.014	1.87E+01	6.5	U	2.48E-05
041M5B05	Benzene	4/6/2004	71432	6.46E+00	0.014	9.05E+00	0.9	U	7.11E-06
041M5B05	Bromodichloromethane	4/6/2004	75274		0.014		1.05	U	
041M5B05	Bromoform	4/6/2004	75252	1.22E+01	0.014	1.71E+01	1.4	U	5.86E-06
041M5B05	Bromomethane	4/6/2004	74839	4.03E+00	0.014	5.64E+00	2.8	U	3.55E-05
041M5B05	Carbon disulfide	4/6/2004	75150		0.014		1.65	U	
041M5B05	Carbon tetrachloride	4/6/2004	56235	7.73E+00	0.014	1.08E+01	0.75	U	4.95E-06
041M5B05	Chlorobenzene	4/6/2004	108907	5.59E+00	0.014	7.82E+00	1.05	U	9.59E-06

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 4 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B05	Chloroethane	4/6/2004	75003		0.014		1.4	U	
041M5B05	Chloroform	4/6/2004	67663	5.59E+00	0.014	7.82E+00	1	U	9.13E-06
041M5B05	Chloromethane	4/6/2004	74873	2.12E+00	0.014	2.97E+00	1.15	U	2.77E-05
041M5B05	cis-1,2-Dichloroethene	4/6/2004	156592	4.61E+00	0.014	6.46E+00	0.9	U	9.96E-06
041M5B05	cis-1,3-Dichloropropene	4/6/2004	10061015		0.014		1	U	
041M5B05	Dibromochloromethane	4/6/2004	124481		0.014		1.15	U	
041M5B05	Ethylbenzene	4/6/2004	100414	9.64E+00	0.014	1.35E+01	0.8	U	4.24E-06
041M5B05	Methylene chloride	4/6/2004	75092	3.73E+00	0.014	5.22E+00	1.95	U	2.67E-05
041M5B05	Styrene	4/6/2004	100425	9.18E+00	0.014	1.28E+01	0.9	U	5.00E-06
041M5B05	Tetrachloroethene	4/6/2004	127184	8.83E+00	0.014	1.24E+01	1.2	U	6.94E-06
041M5B05	Toluene	4/6/2004	108883	8.05E+00	0.014	1.13E+01	1.45	U	9.19E-06
041M5B05	trans-1,2-Dichloroethene	4/6/2004	156605	4.61E+00	0.014	6.46E+00	1	U	1.11E-05
041M5B05	trans-1,3-Dichloropropene	4/6/2004	10061026		0.014		1.3	U	
041M5B05	Trichloroethene	4/6/2004	79016	6.65E+00	0.014	9.31E+00	0.9	U	6.90E-06
041M5B05	Vinyl chloride	4/6/2004	75014		0.014		1.15	U	
041M5B05	Xylene (Total)	4/6/2004	1330207	9.70E+00	0.014	1.36E+01	2.45	U	1.29E-05
041M5B06	1,1,1-Trichloroethane	4/6/2004	71556	6.50E+00	0.0041	2.67E+00	1	U	9.15E-05
041M5B06	1,1,2,2-Tetrachloroethane	4/6/2004	79345	8.13E+00	0.0041	3.34E+00	2.5	U	1.83E-04
041M5B06	1,1,2-Trichloroethane	4/6/2004	79005	6.24E+00	0.0041	2.56E+00	2.25	U	2.14E-04
041M5B06	1,1-Dichloroethane	4/6/2004	75343		0.0041		1.25	U	
041M5B06	1,1-Dichloroethene	4/6/2004	75354	4.65E+00	0.0041	1.91E+00	2.15	U	2.75E-04
041M5B06	1,2-Dichloroethane	4/6/2004	107062	4.43E+00	0.0041	1.82E+00	1.9	U	2.55E-04
041M5B06	1,2-Dichloropropane	4/6/2004	78875	5.26E+00	0.0041	2.16E+00	1.5	U	1.69E-04
041M5B06	2-Butanone (MEK)	4/6/2004	78933	2.93E+00	0.0041	1.20E+00	6	U	1.22E-03
041M5B06	2-Hexanone	4/6/2004	591786	4.43E+00	0.0041	1.82E+00	6.5	U	8.73E-04
041M5B06	4-Methyl-2-Pentanone (MIBK)	4/6/2004	108101	4.38E+00	0.0041	1.80E+00	6.5	U	8.82E-04
041M5B06	Acetone	4/6/2004	67641	1.34E+01	0.0041	5.49E+00	10	U	4.44E-04
041M5B06	Benzene	4/6/2004	71432	6.46E+00	0.0041	2.65E+00	1.4	U	1.29E-04
041M5B06	Bromodichloromethane	4/6/2004	75274		0.0041		1.65	U	
041M5B06	Bromoform	4/6/2004	75252	1.22E+01	0.0041	5.00E+00	2.15	U	1.05E-04
041M5B06	Bromomethane	4/6/2004	74839	4.03E+00	0.0041	1.65E+00	4.3	U	6.35E-04
041M5B06	Carbon disulfide	4/6/2004	75150		0.0041		2.5	U	
041M5B06	Carbon tetrachloride	4/6/2004	56235	7.73E+00	0.0041	3.17E+00	1.2	U	9.23E-05
041M5B06	Chlorobenzene	4/6/2004	108907	5.59E+00	0.0041	2.29E+00	1.65	U	1.76E-04
041M5B06	Chloroethane	4/6/2004	75003		0.0041		2.15	U	
041M5B06	Chloroform	4/6/2004	67663	5.59E+00	0.0041	2.29E+00	1.5	U	1.60E-04
041M5B06	Chloromethane	4/6/2004	74873	2.12E+00	0.0041	8.70E-01	1.75	U	4.91E-04
041M5B06	cis-1,2-Dichloroethene	4/6/2004	156592	4.61E+00	0.0041	1.89E+00	7.7	I	9.93E-04
041M5B06	cis-1,3-Dichloropropene	4/6/2004	10061015		0.0041		1.5	U	
041M5B06	Dibromochloromethane	4/6/2004	124481		0.0041		1.75	U	

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 1 Phase: 4 Wetland: 5B Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M5B06	Ethylbenzene	4/6/2004	100414	9.64E+00	0.0041	3.95E+00	1.25	U	7.72E-05
041M5B06	Methylene chloride	4/6/2004	75092	3.73E+00	0.0041	1.53E+00	3.05	U	4.87E-04
041M5B06	Styrene	4/6/2004	100425	9.18E+00	0.0041	3.76E+00	1.4	U	9.08E-05
041M5B06	Tetrachloroethene	4/6/2004	127184	8.83E+00	0.0041	3.62E+00	1.9	U	1.28E-04
041M5B06	Toluene	4/6/2004	108883	8.05E+00	0.0041	3.30E+00	2.25	U	1.66E-04
041M5B06	trans-1,2-Dichloroethene	4/6/2004	156605	4.61E+00	0.0041	1.89E+00	1.5	U	1.93E-04
041M5B06	trans-1,3-Dichloropropene	4/6/2004	10061026		0.0041		2	U	
041M5B06	Trichloroethene	4/6/2004	79016	6.65E+00	0.0041	2.73E+00	1.4	U	1.25E-04
041M5B06	Vinyl chloride	4/6/2004	75014		0.0041		1.75	U	
041M5B06	Xylene (Total)	4/6/2004	1330207	9.70E+00	0.0041	3.98E+00	3.8	U	2.33E-04

Footnotes:

Q = Data Qualifier
J = Estimated
U and UJ = Not Detected, or estimated not detected
D = Sample diluted
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
TOC = Total Organic Carbon
OC = Organic Carbon
HQ = Hazard Quotient

- Di Toro Sediment Quality Guidance values were adjusted for sample-specific TOC concentrations; however, if no corresponding sample TOC result was available, the minimum TOC value for the wetland was used.

- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix L:
VOCs - Di Toro Sediment Quality Guidance

Table: 2 Phase: 4 Wetland: 19A Fresh/Salt: F

Sample ID	Parameter	Sample Date	CAS Num	CS, 1%OC (mg/kg)	TOC Value Decimal %	Sample-Specific Di Toro SQG (mg/kg)	Result 1/2 SQL (ug/kg)	Q	Di Toro HQ
041M19A1	1,1,1-Trichloroethane	4/8/2004	71556	6.50E+00	0.0017	1.11E+00	0.5	U	2.66E-04
041M19A1	1,1,2,2-Tetrachloroethane	4/8/2004	79345	8.13E+00	0.0017	1.38E+00	1.25	U	5.32E-04
041M19A1	1,1,2-Trichloroethane	4/8/2004	79005	6.24E+00	0.0017	1.06E+00	1.1	U	6.10E-04
041M19A1	1,1-Dichloroethane	4/8/2004	75343		0.0017		0.6	U	
041M19A1	1,1-Dichloroethene	4/8/2004	75354	4.65E+00	0.0017	7.90E-01	1.05	U	7.81E-04
041M19A1	1,2-Dichloroethane	4/8/2004	107062	4.43E+00	0.0017	7.53E-01	0.95	U	7.42E-04
041M19A1	1,2-Dichloropropane	4/8/2004	78875	5.26E+00	0.0017	8.95E-01	0.75	U	4.93E-04
041M19A1	2-Butanone (MEK)	4/8/2004	78933	2.93E+00	0.0017	4.98E-01	2.9	U	3.43E-03
041M19A1	2-Hexanone	4/8/2004	591786	4.43E+00	0.0017	7.53E-01	3.15	U	2.46E-03
041M19A1	4-Methyl-2-Pentanone (MIBK)	4/8/2004	108101	4.38E+00	0.0017	7.45E-01	3.1	U	2.45E-03
041M19A1	Acetone	4/8/2004	67641	1.34E+01	0.0017	2.28E+00	4.95	U	1.28E-03
041M19A1	Benzene	4/8/2004	71432	6.46E+00	0.0017	1.10E+00	0.7	U	3.75E-04
041M19A1	Bromodichloromethane	4/8/2004	75274		0.0017		0.8	U	
041M19A1	Bromoform	4/8/2004	75252	1.22E+01	0.0017	2.07E+00	1.05	U	2.98E-04
041M19A1	Bromomethane	4/8/2004	74839	4.03E+00	0.0017	6.85E-01	2.1	U	1.80E-03
041M19A1	Carbon disulfide	4/8/2004	75150		0.0017		1.25	U	
041M19A1	Carbon tetrachloride	4/8/2004	56235	7.73E+00	0.0017	1.31E+00	2.3	1	1.03E-03
041M19A1	Chlorobenzene	4/8/2004	108907	5.59E+00	0.0017	9.50E-01	0.8	U	4.96E-04
041M19A1	Chloroethane	4/8/2004	75003		0.0017		1.05	U	
041M19A1	Chloroform	4/8/2004	67663	5.59E+00	0.0017	9.50E-01	3.4	1	2.11E-03
041M19A1	Chloromethane	4/8/2004	74873	2.12E+00	0.0017	3.61E-01	0.85	U	1.39E-03
041M19A1	cis-1,2-Dichloroethene	4/8/2004	156592	4.61E+00	0.0017	7.84E-01	0.7	U	5.25E-04
041M19A1	cis-1,3-Dichloropropene	4/8/2004	10061015		0.0017		0.75	U	
041M19A1	Dibromochloromethane	4/8/2004	124481		0.0017		0.85	U	
041M19A1	Ethylbenzene	4/8/2004	100414	9.64E+00	0.0017	1.64E+00	0.6	U	2.15E-04
041M19A1	Methylene chloride	4/8/2004	75092	3.73E+00	0.0017	6.34E-01	1.5	U	1.39E-03
041M19A1	Styrene	4/8/2004	100425	9.18E+00	0.0017	1.56E+00	0.7	U	2.64E-04
041M19A1	Tetrachloroethene	4/8/2004	127184	8.83E+00	0.0017	1.50E+00	0.95	U	3.72E-04
041M19A1	Toluene	4/8/2004	108883	8.05E+00	0.0017	1.37E+00	1.1	U	4.73E-04
041M19A1	trans-1,2-Dichloroethene	4/8/2004	156605	4.61E+00	0.0017	7.84E-01	0.75	U	5.63E-04
041M19A1	trans-1,3-Dichloropropene	4/8/2004	10061026		0.0017		1	U	
041M19A1	Trichloroethene	4/8/2004	79016	6.65E+00	0.0017	1.13E+00	0.7	U	3.64E-04
041M19A1	Vinyl chloride	4/8/2004	75014		0.0017		0.85	U	
041M19A1	Xylene (Total)	4/8/2004	1330207	9.70E+00	0.0017	1.65E+00	1.85	U	6.60E-04

Footnotes:

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HQ = Hazard Quotient

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- trans-1,2-Dichloroethene = surrogate for cis-1,2-dichloroethene and 1,2-dichloroethene (total)

-o-Xylene = surrogate for xylene (total)

Appendix M

Food Chain Modeling Data

Sediment Data

OU 1 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	Units	VQUAL	Sample ID	SAMPLE DATI
15	2	Total BHC	0	1.16	µg/kg	U	041M150401	12/6/1995
15	2	Total BHC	1	3.19	µg/kg		041M150101	12/6/1995
15	2	Total BHC	1	3.65	µg/kg		041M150201	12/6/1995
15	2	Total BHC	1	7.39	µg/kg		041M150301	12/6/1995
16	2	Total BHC	0	0.4	µg/kg	U	041M160101	12/7/1995
16	2	Total BHC	0	0.64	µg/kg	U	041M160201	12/7/1995
16	2	Total BHC	0	1.72	µg/kg	U	041M160301	12/7/1995
16	2	Total BHC	0	12.8	µg/kg	U	001M001601	6/29/1994
17	2	Total BHC	0	0.44	µg/kg	U	041M170101	1/15/1996
17	2	Total BHC	1	0.5	µg/kg		041M170201	1/15/1996
17	2	Total BHC	1	0.792	µg/kg		041M170301	1/15/1996
18A	2	Total BHC	0	3.28	µg/kg	U	041M18A301	12/14/1995
18A	2	Total BHC	0	11.6	µg/kg	U	041M18A101	12/15/1995
18A	2	Total BHC	0	76	µg/kg	U	001M001801	6/29/1994
18A	2	Total BHC	1	4.9	µg/kg		041M18A201	12/15/1995
18B	2	Total BHC	0	96	µg/kg	U	041M18B101	12/14/1995
1A	2	Total BHC	0	0.44	µg/kg	U	041M010101	1/17/1996
1A	2	Total BHC	0	0.8	µg/kg	U	041M010201	1/17/1996
1A	2	Total BHC	0	13.2	µg/kg	U	001M000101	6/29/1994
1B	2	Total BHC	0	0.44	µg/kg	U	041M010301	1/18/1996
3	2	Total BHC	0	0.176	µg/kg	U	041M030701	12/4/1995
3	2	Total BHC	0	2.96	µg/kg	U	041M030201	12/1/1995
3	2	Total BHC	0	9.6	µg/kg	U	001M000301	6/28/1994
3	2	Total BHC	0	10	µg/kg	U	001M000302	6/28/1994
3	2	Total BHC	0	44	µg/kg	U	001M000303	6/28/1994
3	2	Total BHC	1	0.216	µg/kg		041M030401	12/4/1995
3	2	Total BHC	1	0.229	µg/kg		041M030601	12/4/1995
3	2	Total BHC	1	0.85	µg/kg		041M030101	12/1/1995
3	2	Total BHC	1	1.194	µg/kg		041M030301	12/4/1995
3	2	Total BHC	1	1.359	µg/kg		041M030501	12/4/1995
4D	2	Total BHC	0	0.044	µg/kg	U	041M04D501	12/5/1995
4D	2	Total BHC	1	1.07	µg/kg		041M04D301	12/5/1995
4D	2	Total BHC	1	3.102	µg/kg		041M04D201	12/5/1995
4D	2	Total BHC	1	10.117	µg/kg		041M04D401	12/5/1995
4D	2	Total BHC	1	16.508	µg/kg		041M04D101	12/5/1995
		Maximum Detected Total BHC		16.51			041M04D101	
		Average Total BHC	15	5.65				
15	2	Total Chlordane	0	0.58	µg/kg	U	041M150401	12/6/1995
15	2	Total Chlordane	0	1.26	µg/kg	U	041M150301	12/6/1995
15	2	Total Chlordane	0	1.5	µg/kg	U	041M150101	12/6/1995
15	2	Total Chlordane	1	2.15	µg/kg		041M150201	12/6/1995
16	2	Total Chlordane	0	0.2	µg/kg	U	041M160101	12/7/1995
16	2	Total Chlordane	0	0.32	µg/kg	U	041M160201	12/7/1995
16	2	Total Chlordane	0	6.4	µg/kg	U	001M001601	6/29/1994
16	2	Total Chlordane	1	0.9	µg/kg		041M160301	12/7/1995
17	2	Total Chlordane	0	0.188	µg/kg	U	041M170301	1/15/1996
17	2	Total Chlordane	0	0.2	µg/kg	U	041M170201	1/15/1996
17	2	Total Chlordane	0	0.22	µg/kg	U	041M170101	1/15/1996
18A	2	Total Chlordane	0	1.64	µg/kg	U	041M18A301	12/14/1995
18A	2	Total Chlordane	0	5.8	µg/kg	U	041M18A101	12/15/1995
18A	2	Total Chlordane	1	6	µg/kg		041M18A201	12/15/1995
18A	2	Total Chlordane	1	21.5	µg/kg		001M001801	6/29/1994
18B	2	Total Chlordane	0	48	µg/kg	U	041M18B101	12/14/1995
1A	2	Total Chlordane	0	0.22	µg/kg	U	041M010101	1/17/1996
1A	2	Total Chlordane	0	6.6	µg/kg	U	001M000101	6/29/1994
1A	2	Total Chlordane	1	4.6	µg/kg		041M010201	1/17/1996
1B	2	Total Chlordane	1	4.4	µg/kg		041M010301	1/18/1996
1B	2	Total Chlordane	1	15.7	µg/kg		041M010401	1/17/1996
3	2	Total Chlordane	0	0.044	µg/kg	U	041M030301	12/4/1995
3	2	Total Chlordane	0	0.106	µg/kg	U	041M030501	12/4/1995

OU 1 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	Units	VQUAL	Sample ID	SAMPLE D'
3	2	Total Chlordane	1	0.28	µg/kg		041M030401	12/4/19
3	2	Total Chlordane	1	0.494	µg/kg		041M030701	12/4/1995
3	2	Total Chlordane	1	0.88	µg/kg		041M030101	12/1/1995
3	2	Total Chlordane	1	1.23	µg/kg		041M030601	12/4/1995
3	2	Total Chlordane	1	2.49	µg/kg		041M030201	12/1/1995
3	2	Total Chlordane	1	2.96	µg/kg		001M000301	6/28/1994
3	2	Total Chlordane	1	3.01	µg/kg		001M000302	6/28/1994
3	2	Total Chlordane	1	13.2	µg/kg		001M000303	6/28/1994
4D	2	Total Chlordane	0	0.02	µg/kg	U	041M04D301	12/5/1995
4D	2	Total Chlordane	0	0.022	µg/kg	U	041M04D501	12/5/1995
4D	2	Total Chlordane	1	1.034	µg/kg		041M04D201	12/5/1995
4D	2	Total Chlordane	1	1.439	µg/kg		041M04D401	12/5/1995
4D	2	Total Chlordane	1	1.524	µg/kg		041M04D101	12/5/1995
		Maximum Detected Total Chlordane		21.50			001M001801	
		Average Total Chlordane	18	3.35				
15	2	Total DDT	1	11.89	µg/kg		041M150401	12/6/1995
15	2	Total DDT	1	176.3	µg/kg		041M150201	12/6/1995
15	2	Total DDT	1	285	µg/kg		041M150301	12/6/1995
15	2	Total DDT	1	434.9	µg/kg		041M150101	12/6/1995
16	2	Total DDT	1	0.78	µg/kg		041M160101	12/7/1995
16	2	Total DDT	1	4.93	µg/kg		041M160201	12/7/1995
16	2	Total DDT	1	12.61	µg/kg		001M001601	6/29/1994
16	2	Total DDT	1	33.6	µg/kg		041M160301	12/7/1995
17	2	Total DDT	0	0.57	µg/kg	U	041M170301	1/15/1996
17	2	Total DDT	0	0.63	µg/kg	U	041M170201	1/15/1996
17	2	Total DDT	1	0.76	µg/kg		041M170101	1/15/1996
18A	2	Total DDT	1	31.9	µg/kg		041M18A301	12/14/1995
18A	2	Total DDT	1	337	µg/kg		001M001801	6/29/199
18A	2	Total DDT	1	416	µg/kg		041M18A201	12/15/19
18A	2	Total DDT	1	2400	µg/kg		041M18A101	12/15/1995
18B	2	Total DDT	1	2130	µg/kg		041M18B101	12/14/1995
1A	2	Total DDT	0	0.69	µg/kg	U	041M010101	1/17/1996
1A	2	Total DDT	1	10.1	µg/kg		001M000101	6/29/1994
1A	2	Total DDT	1	17.6	µg/kg		041M010201	1/17/1996
1B	2	Total DDT	1	6.88	µg/kg		041M010301	1/18/1996
1B	2	Total DDT	1	39.5	µg/kg		041M010401	1/17/1996
3	2	Total DDT	1	2.62	µg/kg		041M030301	12/4/1995
3	2	Total DDT	1	2.82	µg/kg		041M030401	12/4/1995
3	2	Total DDT	1	5.7	µg/kg		041M030501	12/4/1995
3	2	Total DDT	1	8.62	µg/kg		041M030701	12/4/1995
3	2	Total DDT	1	10	µg/kg		001M000302	6/28/1994
3	2	Total DDT	1	12.1	µg/kg		041M030601	12/4/1995
3	2	Total DDT	1	32.3	µg/kg		001M000301	6/28/1994
3	2	Total DDT	1	33.9	µg/kg		041M030201	12/1/1995
3	2	Total DDT	1	42.5	µg/kg		041M030101	12/1/1995
3	2	Total DDT	1	740	µg/kg		001M000303	6/28/1994
4D	2	Total DDT	1	0.74	µg/kg		041M04D501	12/5/1995
4D	2	Total DDT	1	2.43	µg/kg		041M04D301	12/5/1995
4D	2	Total DDT	1	46.2	µg/kg		041M04D201	12/5/1995
4D	2	Total DDT	1	81.9	µg/kg		041M04D101	12/5/1995
4D	2	Total DDT	1	178.9	µg/kg		041M04D401	12/5/1995
		Maximum Detected Total DDT		2400.00			041M18A101	
		Average Total DDT	33	209.76				
15	2	Total Endrin	1	2.68	µg/kg		041M150401	12/6/1995
15	2	Total Endrin	1	3.9	µg/kg		041M150301	12/6/1995
15	2	Total Endrin	1	11.7	µg/kg		041M150101	12/6/1995
15	2	Total Endrin	1	19	µg/kg		041M150201	12/6/199
16	2	Total Endrin	0	0.63	µg/kg	U	041M160101	12/7/1995
16	2	Total Endrin	0	0.99	µg/kg	U	041M160201	12/7/1995
16	2	Total Endrin	0	2.64	µg/kg	U	041M160301	12/7/1995

OU 1 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	Units	VQUAL	Sample ID	SAMPLE DATE
16	2	Total Endrin	0	18.3	µg/kg	U	001M001601	6/29/1994
17	2	Total Endrin	0	0.57	µg/kg	U	041M170301	1/15/1996
17	2	Total Endrin	0	0.63	µg/kg	U	041M170201	1/15/1996
17	2	Total Endrin	0	0.69	µg/kg	U	041M170101	1/15/1996
18A	2	Total Endrin	0	5.1	µg/kg	U	041M18A301	12/14/1995
18A	2	Total Endrin	0	18	µg/kg	U	041M18A101	12/15/1995
18A	2	Total Endrin	1	11.3	µg/kg		041M18A201	12/15/1995
18A	2	Total Endrin	1	87	µg/kg		001M001801	6/29/1994
18B	2	Total Endrin	0	150	µg/kg	U	041M18B101	12/14/1995
1A	2	Total Endrin	0	0.69	µg/kg	U	041M010101	1/17/1996
1A	2	Total Endrin	0	1.23	µg/kg	U	041M010201	1/17/1996
1A	2	Total Endrin	0	19.2	µg/kg	U	001M000101	6/29/1994
1B	2	Total Endrin	1	1.92	µg/kg		041M010301	1/18/1996
3	2	Total Endrin	0	0.72	µg/kg	U	041M030401	12/4/1995
3	2	Total Endrin	0	0.75	µg/kg	U	041M030601	12/4/1995
3	2	Total Endrin	0	2.64	µg/kg	U	041M030701	12/4/1995
3	2	Total Endrin	0	4.5	µg/kg	U	041M030201	12/1/1995
3	2	Total Endrin	0	14.4	µg/kg	U	001M000302	6/28/1994
3	2	Total Endrin	0	66	µg/kg	U	001M000303	6/28/1994
3	2	Total Endrin	1	1.78	µg/kg		041M030101	12/1/1995
3	2	Total Endrin	1	2.7	µg/kg		041M030301	12/4/1995
3	2	Total Endrin	1	3.8	µg/kg		041M030501	12/4/1995
3	2	Total Endrin	1	9.93	µg/kg		001M000301	6/28/1994
4D	2	Total Endrin	0	0.63	µg/kg	U	041M04D501	12/5/1995
4D	2	Total Endrin	0	0.63	µg/kg	U	041M04D301	12/5/1995
4D	2	Total Endrin	0	1.44	µg/kg	U	041M04D101	12/5/1995
4D	2	Total Endrin	0	2.04	µg/kg	U	041M04D201	12/5/1995
4D	2	Total Endrin	0	2.31	µg/kg	U	041M04D401	12/5/1995
		Maximum Average Total Endrin		87.00			001M001801	
		Average Total Endrin	11	8.95				
15	2	Dieldrin	0	0.59	µg/kg	U	041M150401	12/6/1995
15	2	Dieldrin	0	1.3	µg/kg	U	041M150301	12/6/1995
15	2	Dieldrin	0	1.5	µg/kg	U	041M150101	12/6/1995
15	2	Dieldrin	0	1.5	µg/kg	U	041M150201	12/6/1995
16	2	Dieldrin	0	0.21	µg/kg	U	041M160101	12/7/1995
16	2	Dieldrin	0	6.1	µg/kg	U	001M001601	6/29/1994
16	2	Dieldrin	1	0.35	µg/kg	J	041M160201	12/7/1995
16	2	Dieldrin	1	4.2	µg/kg	J	041M160301	12/7/1995
17	2	Dieldrin	0	0.19	µg/kg	U	041M170301	1/15/1996
17	2	Dieldrin	0	0.21	µg/kg	U	041M170201	1/15/1996
17	2	Dieldrin	0	0.23	µg/kg	U	041M170101	1/15/1996
18A	2	Dieldrin	0	1.7	µg/kg	U	041M18A301	12/14/1995
18A	2	Dieldrin	0	2.4	µg/kg	U	041M18A201	12/15/1995
18A	2	Dieldrin	0	6	µg/kg	U	041M18A101	12/15/1995
18A	2	Dieldrin	0	37	µg/kg	U	001M001801	6/29/1994
18B	2	Dieldrin	0	50	µg/kg	U	041M18B101	12/14/1995
1A	2	Dieldrin	0	0.23	µg/kg	UJ	041M010101	1/17/1996
1A	2	Dieldrin	1	3.7	µg/kg	J	001M000101	6/29/1994
1A	2	Dieldrin	1	6.9	µg/kg	J	041M010201	1/17/1996
1B	2	Dieldrin	0	0.21	µg/kg	UJ	041M010301	1/18/1996
3	2	Dieldrin	0	0.24	µg/kg	U	041M030401	12/4/1995
3	2	Dieldrin	0	0.25	µg/kg	U	041M030601	12/4/1995
3	2	Dieldrin	0	0.4	µg/kg	U	041M030101	12/1/1995
3	2	Dieldrin	0	0.45	µg/kg	UJ	041M030301	12/4/1995
3	2	Dieldrin	0	0.88	µg/kg	U	041M030701	12/4/1995
3	2	Dieldrin	0	1.1	µg/kg	U	041M030501	12/4/1995
3	2	Dieldrin	0	4.7	µg/kg	U	001M000301	6/28/1994
3	2	Dieldrin	0	4.8	µg/kg	U	001M000302	6/28/1994
3	2	Dieldrin	0	22	µg/kg	U	001M000303	6/28/1994
3	2	Dieldrin	1	6	µg/kg	J	041M030201	12/1/1995

OU 1 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	Units	VQUAL	Sample ID	SAMPLE DATE
4D	2	Dieldrin	0	0.21	µg/kg	U	041M04D501	12/5/19
4D	2	Dieldrin	0	0.21	µg/kg	U	041M04D301	12/5/1995
4D	2	Dieldrin	0	0.68	µg/kg	UJ	041M04D201	12/5/1995
4D	2	Dieldrin	1	0.78	µg/kg	J	041M04D101	12/5/1995
4D	2	Dieldrin	1	1.1	µg/kg	J	041M04D401	12/5/1995
		Maximum Detected Dieldrin		6.90			041M010201	
		Average Dieldrin	7	2.73				
15	2	Total PCBs	0	46.4	µg/kg	U	041M150401	12/6/1995
15	2	Total PCBs	1	119	µg/kg		041M150101	12/6/1995
15	2	Total PCBs	1	122	µg/kg		041M150301	12/6/1995
15	2	Total PCBs	1	129	µg/kg		041M150201	12/6/1995
16	2	Total PCBs	0	486	µg/kg	U	001M001601	6/29/1994
16	2	Total PCBs	1	16.6	µg/kg		041M160101	12/7/1995
16	2	Total PCBs	1	33.9	µg/kg		041M160201	12/7/1995
16	2	Total PCBs	1	139	µg/kg		041M160301	12/7/1995
17	2	Total PCBs	1	13.9	µg/kg		041M170301	1/15/1996
17	2	Total PCBs	1	15.37	µg/kg		041M170201	1/15/1996
17	2	Total PCBs	1	18.8	µg/kg		041M170101	1/15/1996
18A	2	Total PCBs	0	135	µg/kg	U	041M18A301	12/14/1995
18A	2	Total PCBs	0	191	µg/kg	U	041M18A201	12/15/1995
18A	2	Total PCBs	0	480	µg/kg	U	041M18A101	12/15/1995
18A	2	Total PCBs	0	2960	µg/kg	U	001M001801	6/29/1994
18B	2	Total PCBs	0	3500	µg/kg	U	041M18B101	12/14/1995
1A	2	Total PCBs	0	18.4	µg/kg	U	041M010101	1/17/1996
1A	2	Total PCBs	0	514	µg/kg	U	001M000101	6/29/1994
1A	2	Total PCBs	1	36.3	µg/kg		041M010201	1/17/1996
1B	2	Total PCBs	1	124.7	µg/kg		041M010301	1/18/1996
1B	2	Total PCBs	1	140	µg/kg		041M010401	1/17/199
3	2	Total PCBs	0	19	µg/kg	U	041M030401	12/4/19
3	2	Total PCBs	0	19.9	µg/kg	U	041M030601	12/4/1995
3	2	Total PCBs	0	31.8	µg/kg	U	041M030101	12/1/1995
3	2	Total PCBs	0	35.7	µg/kg	U	041M030301	12/4/1995
3	2	Total PCBs	0	69.8	µg/kg	U	041M030701	12/4/1995
3	2	Total PCBs	0	86	µg/kg	U	041M030501	12/4/1995
3	2	Total PCBs	0	378	µg/kg	U	001M000301	6/28/1994
3	2	Total PCBs	0	385	µg/kg	U	001M000302	6/28/1994
3	2	Total PCBs	0	1760	µg/kg	U	001M000303	6/28/1994
3	2	Total PCBs	1	455	µg/kg		041M030201	12/1/1995
4D	2	Total PCBs	0	16.6	µg/kg	U	041M04D301	12/5/1995
4D	2	Total PCBs	0	61.2	µg/kg	U	041M04D401	12/5/1995
4D	2	Total PCBs	1	14.82	µg/kg		041M04D501	12/5/1995
4D	2	Total PCBs	1	83.4	µg/kg		041M04D101	12/5/1995
4D	2	Total PCBs	1	89	µg/kg		041M04D201	12/5/1995
		Maximum Detected Total PCBs		455.00			041M030201	
		Average Total PCBs	16	198.55				
15	2	Mercury	0	0.14	mg/kg	UJ	041M150401	12/6/1995
15	2	Mercury	0	0.32	mg/kg	UJ	041M150301	12/6/1995
15	2	Mercury	0	0.35	mg/kg	U	041M150101	12/6/1995
15	2	Mercury	0	0.45	mg/kg	UJ	041M150201	12/6/1995
16	2	Mercury	0	0.05	mg/kg	U	041M160101	12/7/1995
16	2	Mercury	0	0.1	mg/kg	U	041M160201	12/7/1995
16	2	Mercury	0	0.18	mg/kg	U	001M001601	6/29/1994
16	2	Mercury	1	0.41	mg/kg	J	041M160301	12/7/1995
17	2	Mercury	0	0.05	mg/kg	U	041M170101	1/15/1996
17	2	Mercury	0	0.05	mg/kg	U	041M170201	1/15/1996
17	2	Mercury	0	0.06	mg/kg	U	041M170301	1/15/1996
18A	2	Mercury	0	0.3	mg/kg	U	041M18A101	12/15/199
18A	2	Mercury	0	0.48	mg/kg	U	041M18A301	12/14/1995
18A	2	Mercury	0	0.54	mg/kg	U	041M18A201	12/15/1995
18A	2	Mercury	0	1.1	mg/kg	U	001M001801	6/29/1994

OU 1 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	Units	VQUAL	Sample ID	SAMPLE DATI
18B	2	Mercury	0	0.33	mg/kg	U	041M18B101	12/14/1995
1A	2	Mercury	0	0.21	mg/kg	U	001M000101	6/29/1994
1A	2	Mercury	1	0.07	mg/kg	J	041M010101	1/17/1996
1A	2	Mercury	1	0.25	mg/kg		041M010201	1/17/1996
1B	2	Mercury	1	0.17	mg/kg		041M010301	1/18/1996
1B	2	Mercury	1	0.2	mg/kg		041M010401	1/17/1996
3	2	Mercury	0	0.05	mg/kg	U	041M030501	12/4/1995
3	2	Mercury	0	0.06	mg/kg	U	041M030601	12/4/1995
3	2	Mercury	0	0.06	mg/kg	U	041M030101	12/1/1995
3	2	Mercury	0	0.06	mg/kg	U	041M030401	12/4/1995
3	2	Mercury	0	0.13	mg/kg	U	001M000303	6/28/1994
3	2	Mercury	0	0.14	mg/kg	U	001M000301	6/28/1994
3	2	Mercury	0	0.15	mg/kg	U	041M030301	12/4/1995
3	2	Mercury	0	0.15	mg/kg	U	001M000302	6/28/1994
3	2	Mercury	0	0.24	mg/kg	U	041M030701	12/4/1995
3	2	Mercury	0	0.47	mg/kg	U	041M030201	12/1/1995
4D	2	Mercury	0	0.05	mg/kg	U	041M04D501	12/5/1995
4D	2	Mercury	0	0.05	mg/kg	U	041M04D301	12/5/1995
4D	2	Mercury	0	0.15	mg/kg	U	041M04D201	12/5/1995
4D	2	Mercury	1	0.12	mg/kg	J	041M04D101	12/5/1995
4D	2	Mercury	1	0.16	mg/kg	J	041M04D401	12/5/1995
		Maximum Detected Mercury		0.41			041M160301	
		Average Mercury	7	0.13				

OU 1 Wetlands
Phase III
Food Chain Modeling Sediment Data

WETLAND	PHASE	Parameters	Detections	Result	VQUAL	Units	Sample_ID	SAMPLE_ID
3	3	Dieldrin	0	4.1	U	µg/kg	041M030701	8/27/1997
3	3	Dieldrin	0	16	U	µg/kg	041M030201	8/27/1997
16	3	Dieldrin	0	8.7	U	µg/kg	041M160301	9/4/1997
18B	3	Dieldrin	0	6.7	U	µg/kg	041M18B101	8/29/1997
		Maximum Detected Dieldrin		0				
		Average Dieldrin		4.44				
16	3	Total BHC	0	18	U	µg/kg	041M160301	9/4/1997
18B	3	Total BHC	0	14	U	µg/kg	041M18B101	8/29/1997
3	3	Total BHC	0	14.4	U	µg/kg	041M030701	8/27/1997
3	3	Total BHC	0	30.2	U	µg/kg	041M030201	8/27/1997
		Maximum Detected Total BHC		0				
		Average Total BHC	0	9.58				
16	3	Total Chlordane	0	9	U	µg/kg	041M160301	9/4/1997
18B	3	Total Chlordane	0	7	U	µg/kg	041M18B101	8/29/1997
3	3	Total Chlordane	0	17	U	µg/kg	041M030201	8/27/1997
3	3	Total Chlordane	1	4.34		µg/kg	041M030701	8/27/1997
		Maximum Detected Total Chlordane		4.34			041M030701	
		Average Total Chlordane	1	5.21				
16	3	Total DDT	1	27.7		µg/kg	041M160301	9/4/1997
18B	3	Total DDT	1	152.1		µg/kg	041M18B101	8/29/1997
3	3	Total DDT	1	33.7		µg/kg	041M030201	8/27/1997
3	3	Total DDT	1	69.3		µg/kg	041M030701	8/27/1997
		Maximum Detected Total DDT		152.1			041M18B101	
		Average Total DDT	4	70.7				
16	3	Total Endrin	1	18.7		µg/kg	041M160301	9/4/1997
18B	3	Total Endrin	0	20.1	U	µg/kg	041M18B101	8/29/1997
3	3	Total Endrin	0	21	U	µg/kg	041M030701	8/27/1997
3	3	Total Endrin	1	34.8		µg/kg	041M030201	8/27/1997
		Maximum Detected Total Endrin		34.8			041M030201	
		Average Total Endrin	2	18.5125				
16	3	Total PCBs	0	702	U	µg/kg	041M160301	9/4/1997
18B	3	Total PCBs	0	542	U	µg/kg	041M18B101	8/29/1997
3	3	Total PCBs	0	560	U	µg/kg	041M030701	8/27/1997
3	3	Total PCBs	0	1300	U	µg/kg	041M030201	8/27/1997
		Maximum Detected Total PCBs		0				
		Average Total PCBs	0	388				
16	3	Mercury	1	0.07	J	mg/kg	041M160301	9/4/1997
18B	3	Mercury	0	0.02	U	mg/kg	041M18B101	8/29/1997
3	3	Mercury	1	0.06	J	mg/kg	041M030701	8/27/1997
3	3	Mercury	1	0.1	J	mg/kg	041M030201	8/27/1997
		Maximum Detected Mercury		0.1			041M030201	
		Average Mercury	3	0.06				

OU 2 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE DATE
5A	2	Dieldrin	0	0.2	U	µg/kg	041M5A0701	11/16/1995
5A	2	Dieldrin	0	0.32	UJ	µg/kg	041M5A0201	11/16/1995
5A	2	Dieldrin	0	0.61	UJ	µg/kg	041M5A0301	11/16/1995
5A	2	Dieldrin	0	0.72	UJ	µg/kg	041M5A0401	11/16/1995
5A	2	Dieldrin	0	0.81	UJ	µg/kg	041M5A0501	11/27/1995
5A	2	Dieldrin	1	0.85	J	µg/kg	041M5A0601	11/17/1995
5A	2	Dieldrin	1	2.5	J	µg/kg	041M5A0101	11/16/1995
5B	2	Dieldrin	1	0.42	J	µg/kg	041M5B0101	11/17/1995
5B	2	Dieldrin	1	7.1	J	µg/kg	041M5B0201	11/17/1995
6	2	Dieldrin	0	0.21	UJ	µg/kg	041M060201	11/15/1995
6	2	Dieldrin	0	0.22	U	µg/kg	041M060901	11/14/1995
6	2	Dieldrin	0	1	U	µg/kg	041M060401	11/15/1995
6	2	Dieldrin	0	4.2	UJ	µg/kg	010M000101	2/4/1994
6	2	Dieldrin	1	0.24	J	µg/kg	041M061001	11/16/1995
6	2	Dieldrin	1	0.3	J	µg/kg	041M061101	11/16/1995
6	2	Dieldrin	1	0.6	J	µg/kg	041M060501	11/16/1995
6	2	Dieldrin	1	2.1	J	µg/kg	041M060101	11/15/1995
6	2	Dieldrin	1	4	J	µg/kg	041M060301	11/15/1995
6	2	Dieldrin	1	4.7		µg/kg	041M060601	11/16/1995
6	2	Dieldrin	1	5.6		µg/kg	041M060801	11/14/1995
6	2	Dieldrin	1	10	J	µg/kg	041M060701	11/14/1995
64	2	Dieldrin	0	0.21	U	µg/kg	041M640901	11/15/1995
64	2	Dieldrin	0	0.21	U	µg/kg	041M641201	11/15/1995
64	2	Dieldrin	0	0.21	U	µg/kg	041M642001	11/16/1995
64	2	Dieldrin	0	0.21	U	µg/kg	041M642101	11/16/1995
64	2	Dieldrin	0	0.22	UJ	µg/kg	041M641501	11/15/1995
64	2	Dieldrin	0	0.22	U	µg/kg	041M642301	11/17/1995
64	2	Dieldrin	0	0.22	U	µg/kg	041M641801	2/6/1996
64	2	Dieldrin	0	0.23	U	µg/kg	041M640701	11/15/1995
64	2	Dieldrin	0	0.23	U	µg/kg	041M640101	2/9/1996
64	2	Dieldrin	0	0.23	UJ	µg/kg	041M642401	11/17/1995
64	2	Dieldrin	0	0.24	U	µg/kg	041M642201	11/17/1995
64	2	Dieldrin	0	0.26	U	µg/kg	041M640801	2/1/1996
64	2	Dieldrin	0	0.31	U	µg/kg	041M641701	11/16/1995
64	2	Dieldrin	0	0.97	U	µg/kg	041M641601	11/16/1995
64	2	Dieldrin	0	1	U	µg/kg	041M641401	11/16/1995
64	2	Dieldrin	0	1.1	U	µg/kg	041M641901	2/1/1996
64	2	Dieldrin	0	1.4	U	µg/kg	041M640601	11/15/1995
64	2	Dieldrin	0	1.9	U	µg/kg	041M640401	2/9/1996
64	2	Dieldrin	0	7	U	µg/kg	041M640301	11/15/1995
64	2	Dieldrin	1	0.79	J	µg/kg	041M640501	11/15/1995
64	2	Dieldrin	1	1.4	J	µg/kg	041M641301	11/16/1995
64	2	Dieldrin	1	1.5	J	µg/kg	041M641001	11/16/1995
64	2	Dieldrin	1	1.7	J	µg/kg	041M641101	11/16/1995
64	2	Dieldrin	1	3.3	J	µg/kg	041M640201	11/15/1995
		Maximum Detected Dieldrin		10			041M060701	
		Average Dieldrin		1.320666667				
5A	2	Total BHC	0	0.64	U	µg/kg	041M5A0201	11/16/1995
5A	2	Total BHC	0	0.75	U	µg/kg	041M5A0701	11/16/1995
5A	2	Total BHC	0	1.24	U	µg/kg	041M5A0301	11/16/1995
5A	2	Total BHC	0	1.44	U	µg/kg	041M5A0401	11/16/1995
5A	2	Total BHC	0	1.56	U	µg/kg	041M5A0501	11/27/1995
5A	2	Total BHC	1	0.67		µg/kg	041M5A0601	11/17/1995
5A	2	Total BHC	1	1.54		µg/kg	041M5A0101	11/16/1995
5B	2	Total BHC	1	0.6		µg/kg	041M5B0101	11/17/1995
5B	2	Total BHC	1	2.88		µg/kg	041M5B0201	11/17/1995
6	2	Total BHC	0	0.4	U	µg/kg	041M061101	11/16/1995
6	2	Total BHC	0	0.44	U	µg/kg	041M060901	11/14/1995
6	2	Total BHC	0	0.47	U	µg/kg	041M060501	11/16/1995
6	2	Total BHC	0	0.67	U	µg/kg	041M061001	11/16/1995
6	2	Total BHC	0	0.67	U	µg/kg	041M060601	11/16/1995
6	2	Total BHC	0	2.04	U	µg/kg	041M060401	11/15/1995
6	2	Total BHC	0	3.92	U	µg/kg	041M060101	11/15/1995
6	2	Total BHC	0	8.8	U	µg/kg	010M000101	2/4/1994
6	2	Total BHC	1	0.84		µg/kg	041M060201	11/15/1995
6	2	Total BHC	1	0.9		µg/kg	041M060801	11/14/1995
6	2	Total BHC	1	3.69		µg/kg	041M060701	11/14/1995
6	2	Total BHC	1	3.91		µg/kg	041M060301	11/15/1995
64	2	Total BHC	0	0.44	U	µg/kg	041M641501	11/15/1995
64	2	Total BHC	0	0.44	U	µg/kg	041M642301	11/17/1995
64	2	Total BHC	0	0.44	U	µg/kg	041M642101	11/16/1995

OU 2 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE DATE
64	2	Total BHC	0	0.48	U	µg/kg	041M642201	11/17/1995
64	2	Total BHC	0	0.52	U	µg/kg	041M640801	2/1/1996
64	2	Total BHC	0	0.53	U	µg/kg	041M642001	11/16/1995
64	2	Total BHC	0	0.81	U	µg/kg	041M641701	11/16/1995
64	2	Total BHC	0	1.35	U	µg/kg	041M641101	11/16/1995
64	2	Total BHC	0	1.96	U	µg/kg	041M641001	11/16/1995
64	2	Total BHC	0	2.08	U	µg/kg	041M641901	2/1/1996
64	2	Total BHC	0	2.76	U	µg/kg	041M640601	11/15/1995
64	2	Total BHC	0	6.4	U	µg/kg	041M640201	11/15/1995
64	2	Total BHC	0	13.6	U	µg/kg	041M640301	11/15/1995
64	2	Total BHC	1	0.47		µg/kg	041M640101	2/9/1996
64	2	Total BHC	1	0.48		µg/kg	041M642401	11/17/1995
64	2	Total BHC	1	0.51		µg/kg	041M641801	2/6/1996
64	2	Total BHC	1	0.55		µg/kg	041M640701	11/15/1995
64	2	Total BHC	1	0.67		µg/kg	041M641201	11/15/1995
64	2	Total BHC	1	0.85		µg/kg	041M640901	11/15/1995
64	2	Total BHC	1	1.1		µg/kg	041M640501	11/15/1995
64	2	Total BHC	1	2.04		µg/kg	041M641301	11/16/1995
64	2	Total BHC	1	2.11		µg/kg	041M641601	11/16/1995
64	2	Total BHC	1	2.5		µg/kg	041M641401	11/16/1995
64	2	Total BHC	1	4.36		µg/kg	041M640401	2/9/1996
		Maximum Detected Total BHC					041M060301	
		Average Total BHC	19					
5A	2	Total Chlordane	0	0.22	U	µg/kg	041M5A0601	11/17/1995
5A	2	Total Chlordane	0	0.32	U	µg/kg	041M5A0201	11/16/1995
5A	2	Total Chlordane	0	0.62	U	µg/kg	041M5A0301	11/16/1995
5A	2	Total Chlordane	0	0.72	U	µg/kg	041M5A0401	11/16/1995
5A	2	Total Chlordane	1	0.33		µg/kg	041M5A0701	11/16/1995
5A	2	Total Chlordane	1	0.63		µg/kg	041M5A0101	11/16/1995
5A	2	Total Chlordane	1	2.9		µg/kg	041M5A0501	11/27/1995
5B	2	Total Chlordane	1	0.29		µg/kg	041M5B0101	11/17/1995
5B	2	Total Chlordane	1	2.2		µg/kg	041M5B0201	11/17/1995
6	2	Total Chlordane	0	0.2	U	µg/kg	041M061101	11/16/1995
6	2	Total Chlordane	0	0.2	U	µg/kg	041M060501	11/16/1995
6	2	Total Chlordane	0	1.02	U	µg/kg	041M060401	11/15/1995
6	2	Total Chlordane	0	1.96	U	µg/kg	041M060101	11/15/1995
6	2	Total Chlordane	0	4.4	U	µg/kg	010M000101	2/4/1994
6	2	Total Chlordane	1	0.26		µg/kg	041M060901	11/14/1995
6	2	Total Chlordane	1	0.39		µg/kg	041M061001	11/16/1995
6	2	Total Chlordane	1	0.43		µg/kg	041M060201	11/15/1995
6	2	Total Chlordane	1	0.44		µg/kg	041M060601	11/16/1995
6	2	Total Chlordane	1	1.64		µg/kg	041M060801	11/14/1995
6	2	Total Chlordane	1	2.5		µg/kg	041M060301	11/15/1995
6	2	Total Chlordane	1	2.7		µg/kg	041M060701	11/14/1995
64	2	Total Chlordane	0	0.2	U	µg/kg	041M641201	11/15/1995
64	2	Total Chlordane	0	0.2	U	µg/kg	041M640901	11/15/1995
64	2	Total Chlordane	0	0.2	U	µg/kg	041M642101	11/16/1995
64	2	Total Chlordane	0	0.22	U	µg/kg	041M642401	11/17/1995
64	2	Total Chlordane	0	0.22	U	µg/kg	041M640701	11/15/1995
64	2	Total Chlordane	0	0.22	U	µg/kg	041M641501	11/15/1995
64	2	Total Chlordane	0	0.22	U	µg/kg	041M642001	11/16/1995
64	2	Total Chlordane	0	0.22	U	µg/kg	041M640101	2/9/1996
64	2	Total Chlordane	0	0.22	U	µg/kg	041M641801	2/6/1996
64	2	Total Chlordane	0	0.22	U	µg/kg	041M642301	11/17/1995
64	2	Total Chlordane	0	0.24	U	µg/kg	041M642201	11/17/1995
64	2	Total Chlordane	0	0.3	U	µg/kg	041M641701	11/16/1995
64	2	Total Chlordane	0	0.6	U	µg/kg	041M641101	11/16/1995
64	2	Total Chlordane	0	0.92	U	µg/kg	041M641301	11/16/1995
64	2	Total Chlordane	0	0.98	U	µg/kg	041M641601	11/16/1995
64	2	Total Chlordane	0	1.04	U	µg/kg	041M641401	11/16/1995
64	2	Total Chlordane	0	1.04	U	µg/kg	041M641901	2/1/1996
64	2	Total Chlordane	0	1.84	U	µg/kg	041M640401	2/9/1996
64	2	Total Chlordane	1	0.41		µg/kg	041M640801	2/1/1996
64	2	Total Chlordane	1	1.14		µg/kg	041M641001	11/16/1995
64	2	Total Chlordane	1	1.5		µg/kg	041M640601	11/15/1995
64	2	Total Chlordane	1	1.58		µg/kg	041M640501	11/15/1995
64	2	Total Chlordane	1	10.8		µg/kg	041M640201	11/15/1995
64	2	Total Chlordane	1	18.5		µg/kg	041M640301	11/15/1995
		Maximum Detected Total Chlordane					041M640301	
		Average Total Chlordane	18					

OU 2 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE DATE
5A	2	Total DDT	1	0.63		µg/kg	041M5A0701	11/16/1995
5A	2	Total DDT	1	1.66		µg/kg	041M5A0601	11/17/1995
5A	2	Total DDT	1	2.06		µg/kg	041M5A0301	11/16/1995
5A	2	Total DDT	1	2.29		µg/kg	041M5A0101	11/16/1995
5A	2	Total DDT	1	3.22		µg/kg	041M5A0201	11/16/1995
5A	2	Total DDT	1	5.3		µg/kg	041M5A0401	11/16/1995
5A	2	Total DDT	1	125.81		µg/kg	041M5A0501	11/27/1995
5B	2	Total DDT	1	0.74		µg/kg	041M5B0101	11/17/1995
5B	2	Total DDT	1	6.83		µg/kg	041M5B0201	11/17/1995
6	2	Total DDT	1	0.67		µg/kg	041M061001	11/16/1995
6	2	Total DDT	1	0.7		µg/kg	041M061101	11/16/1995
6	2	Total DDT	1	1.21		µg/kg	041M060901	11/14/1995
6	2	Total DDT	1	6.25		µg/kg	041M060201	11/15/1995
6	2	Total DDT	1	7.2		µg/kg	041M060501	11/16/1995
6	2	Total DDT	1	8.6		µg/kg	041M060401	11/15/1995
6	2	Total DDT	1	19.3		µg/kg	041M060801	11/14/1995
6	2	Total DDT	1	21.1		µg/kg	041M060601	11/16/1995
6	2	Total DDT	1	67		µg/kg	041M060701	11/14/1995
6	2	Total DDT	1	77		µg/kg	010M000101	2/4/1994
6	2	Total DDT	1	125		µg/kg	041M060301	11/15/1995
6	2	Total DDT	1	393		µg/kg	041M060101	11/15/1995
64	2	Total DDT	0	0.63	U	µg/kg	041M642001	11/16/1995
64	2	Total DDT	0	0.63	U	µg/kg	041M642101	11/16/1995
64	2	Total DDT	0	0.66	U	µg/kg	041M642301	11/17/1995
64	2	Total DDT	0	0.66	U	µg/kg	041M641801	2/6/1996
64	2	Total DDT	0	0.69	U	µg/kg	041M642401	11/17/1995
64	2	Total DDT	0	0.72	U	µg/kg	041M642201	11/17/1995
64	2	Total DDT	0	0.93	U	µg/kg	041M641701	11/16/1995
64	2	Total DDT	0	2.91	U	µg/kg	041M641601	11/16/1995
64	2	Total DDT	0	3	U	µg/kg	041M641401	11/16/1995
64	2	Total DDT	1	0.68		µg/kg	041M641201	11/15/1995
64	2	Total DDT	1	0.87		µg/kg	041M640901	11/15/1995
64	2	Total DDT	1	1.23		µg/kg	041M641501	11/15/1995
64	2	Total DDT	1	3.24		µg/kg	041M641301	11/16/1995
64	2	Total DDT	1	3.27		µg/kg	041M641101	11/16/1995
64	2	Total DDT	1	3.5		µg/kg	041M641901	2/1/1996
64	2	Total DDT	1	5.26		µg/kg	041M640801	2/1/1996
64	2	Total DDT	1	5.67		µg/kg	041M641001	11/16/1995
64	2	Total DDT	1	12.84		µg/kg	041M640701	11/15/1995
64	2	Total DDT	1	29.7		µg/kg	041M640101	2/9/1996
64	2	Total DDT	1	35.9		µg/kg	041M640401	2/9/1996
64	2	Total DDT	1	47.4		µg/kg	041M640601	11/15/1995
64	2	Total DDT	1	56.74		µg/kg	041M640501	11/15/1995
64	2	Total DDT	1	136		µg/kg	041M640301	11/15/1995
64	2	Total DDT	1	215.3		µg/kg	041M640201	11/15/1995
		Maximum Detected Total DDT					041M060101	
		Average Total DDT	36					
5A	2	Total Endrin	0	0.69	U	µg/kg	041M5A0601	11/17/1995
5A	2	Total Endrin	0	0.96	U	µg/kg	041M5A0201	11/16/1995
5A	2	Total Endrin	0	1.77	U	µg/kg	041M5A0101	11/16/1995
5A	2	Total Endrin	0	1.83	U	µg/kg	041M5A0301	11/16/1995
5A	2	Total Endrin	0	2.16	U	µg/kg	041M5A0401	11/16/1995
5A	2	Total Endrin	1	0.66		µg/kg	041M5A0701	11/16/1995
5A	2	Total Endrin	1	2.63		µg/kg	041M5A0501	11/27/1995
5B	2	Total Endrin	0	0.63	U	µg/kg	041M5B0101	11/17/1995
5B	2	Total Endrin	0	2.19	U	µg/kg	041M5B0201	11/17/1995
6	2	Total Endrin	0	0.6	U	µg/kg	041M061101	11/16/1995
6	2	Total Endrin	0	0.6	U	µg/kg	041M060501	11/16/1995
6	2	Total Endrin	0	0.63	U	µg/kg	041M060201	11/15/1995
6	2	Total Endrin	0	0.63	U	µg/kg	041M061001	11/16/1995
6	2	Total Endrin	0	0.66	U	µg/kg	041M060901	11/14/1995
6	2	Total Endrin	0	0.72	U	µg/kg	041M060601	11/16/1995
6	2	Total Endrin	0	3	U	µg/kg	041M060401	11/15/1995
6	2	Total Endrin	0	12.6	U	µg/kg	010M000101	2/4/1994
6	2	Total Endrin	1	2.49		µg/kg	041M060801	11/14/1995
6	2	Total Endrin	1	4.04		µg/kg	041M060301	11/15/1995
6	2	Total Endrin	1	6.1		µg/kg	041M060101	11/15/1995
6	2	Total Endrin	1	6.6		µg/kg	041M060701	11/14/1995
64	2	Total Endrin	0	0.63	U	µg/kg	041M642101	11/16/1995
64	2	Total Endrin	0	0.63	U	µg/kg	041M640901	11/15/1995
64	2	Total Endrin	0	0.63	U	µg/kg	041M641201	11/15/1995

OU 2 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE DATE
64	2	Total Endrin	0	0.63	U	µg/kg	041M642001	11/16/1995
64	2	Total Endrin	0	0.66	U	µg/kg	041M642301	11/17/1995
64	2	Total Endrin	0	0.66	U	µg/kg	041M641501	11/15/1995
64	2	Total Endrin	0	0.66	U	µg/kg	041M641801	2/6/1996
64	2	Total Endrin	0	0.69	U	µg/kg	041M642401	11/17/1995
64	2	Total Endrin	0	0.69	U	µg/kg	041M640701	11/15/1995
64	2	Total Endrin	0	0.72	U	µg/kg	041M642201	11/17/1995
64	2	Total Endrin	0	0.93	U	µg/kg	041M641701	11/16/1995
64	2	Total Endrin	0	1.77	U	µg/kg	041M641101	11/16/1995
64	2	Total Endrin	0	2.76	U	µg/kg	041M641301	11/16/1995
64	2	Total Endrin	0	2.91	U	µg/kg	041M641601	11/16/1995
64	2	Total Endrin	0	2.91	U	µg/kg	041M641001	11/16/1995
64	2	Total Endrin	0	3	U	µg/kg	041M641401	11/16/1995
64	2	Total Endrin	0	3.3	U	µg/kg	041M641901	2/1/1996
64	2	Total Endrin	0	4.2	U	µg/kg	041M640601	11/15/1995
64	2	Total Endrin	0	21	U	µg/kg	041M640301	11/15/1995
64	2	Total Endrin	1	1.01		µg/kg	041M640801	2/1/1996
64	2	Total Endrin	1	2		µg/kg	041M640501	11/15/1995
64	2	Total Endrin	1	8.46		µg/kg	041M640101	2/9/1996
64	2	Total Endrin	1	9.3		µg/kg	041M640401	2/9/1996
64	2	Total Endrin	1	10.4		µg/kg	041M640201	11/15/1995
		Maximum Detected Total Endrin					041M640101	
		Average Total Endrin	11					
5A	2	Total PCBs	0	25.6	U	µg/kg	041M5A0201	11/16/1995
5A	2	Total PCBs	0	48.6	U	µg/kg	041M5A0301	11/16/1995
5A	2	Total PCBs	0	57.2	U	µg/kg	041M5A0401	11/16/1995
5A	2	Total PCBs	1	16.6		µg/kg	041M5A0701	11/16/1995
5A	2	Total PCBs	1	45.7		µg/kg	041M5A0601	11/17/1995
5A	2	Total PCBs	1	57.5		µg/kg	041M5A0101	11/16/1995
5A	2	Total PCBs	1	156.5		µg/kg	041M5A0501	11/27/1995
5B	2	Total PCBs	1	37.6		µg/kg	041M5B0101	11/17/1995
5B	2	Total PCBs	1	152		µg/kg	041M5B0201	11/17/1995
6	2	Total PCBs	0	16	U	µg/kg	041M060501	11/16/1995
6	2	Total PCBs	0	32.1	U	µg/kg	041M060801	11/14/1995
6	2	Total PCBs	0	33.8	U	µg/kg	041M060901	11/14/1995
6	2	Total PCBs	0	120	U	µg/kg	041M060301	11/15/1995
6	2	Total PCBs	0	161	U	µg/kg	041M060401	11/15/1995
6	2	Total PCBs	0	233	U	µg/kg	041M060701	11/14/1995
6	2	Total PCBs	0	313	U	µg/kg	041M060101	11/15/1995
6	2	Total PCBs	0	338	U	µg/kg	010M000101	2/4/1994
6	2	Total PCBs	1	15.32		µg/kg	041M061001	11/16/1995
6	2	Total PCBs	1	17.8		µg/kg	041M061101	11/16/1995
6	2	Total PCBs	1	20.9		µg/kg	041M060601	11/16/1995
6	2	Total PCBs	1	38.3		µg/kg	041M060201	11/15/1995
64	2	Total PCBs	0	16.8	U	µg/kg	041M642101	11/16/1995
64	2	Total PCBs	0	33.7	U	µg/kg	041M642301	11/17/1995
64	2	Total PCBs	0	35.4	U	µg/kg	041M642401	11/17/1995
64	2	Total PCBs	0	37	U	µg/kg	041M642201	11/17/1995
64	2	Total PCBs	1	16.6		µg/kg	041M641801	2/6/1996
64	2	Total PCBs	1	16.7		µg/kg	041M642001	11/16/1995
64	2	Total PCBs	1	26.5		µg/kg	041M641701	11/16/1995
64	2	Total PCBs	1	28		µg/kg	041M640101	2/9/1996
64	2	Total PCBs	1	29.1		µg/kg	041M640801	2/1/1996
64	2	Total PCBs	1	30.1		µg/kg	041M640901	11/15/1995
64	2	Total PCBs	1	30.5		µg/kg	041M641201	11/15/1995
64	2	Total PCBs	1	33.6		µg/kg	041M641501	11/15/1995
64	2	Total PCBs	1	34.2		µg/kg	041M640701	11/15/1995
64	2	Total PCBs	1	70.5		µg/kg	041M641101	11/16/1995
64	2	Total PCBs	1	83.5		µg/kg	041M641601	11/16/1995
64	2	Total PCBs	1	87		µg/kg	041M641401	11/16/1995
64	2	Total PCBs	1	91		µg/kg	041M641301	11/16/1995
64	2	Total PCBs	1	91.5		µg/kg	041M641001	11/16/1995
64	2	Total PCBs	1	106		µg/kg	041M640501	11/15/1995
64	2	Total PCBs	1	126		µg/kg	041M641901	2/1/1996
64	2	Total PCBs	1	154		µg/kg	041M640401	2/9/1996
64	2	Total PCBs	1	246		µg/kg	041M640601	11/15/1995
64	2	Total PCBs	1	825		µg/kg	041M640201	11/15/1995
64	2	Total PCBs	1	1130		µg/kg	041M640301	11/15/1995
		Maximum Detected Total PCBs					041M640301	
		Average Total PCBs	30					

OU 2 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE DATE
5A	2	Mercury	0	0.05	U	mg/kg	041M5A0701	11/16/1995
5A	2	Mercury	0	0.17	U	mg/kg	041M5A0201	11/16/1995
5A	2	Mercury	1	0.25		mg/kg	041M5A0601	11/17/1995
5A	2	Mercury	1	0.37		mg/kg	041M5A0301	11/16/1995
5A	2	Mercury	1	0.54	J	mg/kg	041M5A0401	11/16/1995
5A	2	Mercury	1	0.84		mg/kg	041M5A0501	11/27/1995
5A	2	Mercury	1	1		mg/kg	041M5A0101	11/16/1995
5B	2	Mercury	0	0.05	U	mg/kg	041M5B0101	11/17/1995
5B	2	Mercury	1	0.68		mg/kg	041M5B0201	11/17/1995
6	2	Mercury	0	0.03	U	mg/kg	010M000101	2/4/1994
6	2	Mercury	0	0.05	U	mg/kg	041M060101	11/15/1995
6	2	Mercury	0	0.05	U	mg/kg	041M061001	11/16/1995
6	2	Mercury	0	0.05	U	mg/kg	041M061101	11/16/1995
6	2	Mercury	0	0.05	U	mg/kg	041M060501	11/16/1995
6	2	Mercury	0	0.05	U	mg/kg	041M060801	11/14/1995
6	2	Mercury	0	0.05	U	mg/kg	041M060401	11/15/1995
6	2	Mercury	0	0.06	U	mg/kg	041M060201	11/15/1995
6	2	Mercury	0	0.06	U	mg/kg	041M060301	11/15/1995
6	2	Mercury	0	0.06	U	mg/kg	041M060901	11/14/1995
6	2	Mercury	0	0.08	U	mg/kg	041M060601	11/16/1995
6	2	Mercury	1	0.11	J	mg/kg	041M060701	11/14/1995
64	2	Mercury	0	0.05	U	mg/kg	041M641201	11/15/1995
64	2	Mercury	0	0.05	U	mg/kg	041M640901	11/15/1995
64	2	Mercury	0	0.05	U	mg/kg	041M642001	11/16/1995
64	2	Mercury	0	0.06	U	mg/kg	041M640801	2/1/1996
64	2	Mercury	0	0.06	U	mg/kg	041M640101	2/9/1996
64	2	Mercury	0	0.06	U	mg/kg	041M641501	11/15/1995
64	2	Mercury	0	0.06	U	mg/kg	041M642101	11/16/1995
64	2	Mercury	0	0.06	U	mg/kg	041M641801	2/6/1996
64	2	Mercury	0	0.07	U	mg/kg	041M642301	11/17/1995
64	2	Mercury	0	0.08	U	mg/kg	041M641701	11/16/1995
64	2	Mercury	1	0.1	J	mg/kg	041M640701	11/15/1995
64	2	Mercury	1	0.12	J	mg/kg	041M640601	11/15/1995
64	2	Mercury	1	0.15	J	mg/kg	041M642201	11/17/1995
64	2	Mercury	1	0.17		mg/kg	041M640201	11/15/1995
64	2	Mercury	1	0.27	J	mg/kg	041M640501	11/15/1995
64	2	Mercury	1	0.3	J	mg/kg	041M641101	11/16/1995
64	2	Mercury	1	0.3		mg/kg	041M642401	11/17/1995
64	2	Mercury	1	0.41	J	mg/kg	041M641401	11/16/1995
64	2	Mercury	1	0.43	J	mg/kg	041M640401	2/9/1996
64	2	Mercury	1	0.46	J	mg/kg	041M641301	11/16/1995
64	2	Mercury	1	0.49	J	mg/kg	041M641601	11/16/1995
64	2	Mercury	1	0.5	J	mg/kg	041M641001	11/16/1995
64	2	Mercury	1	0.66		mg/kg	041M641901	2/1/1996
64	2	Mercury	1	0.88		mg/kg	041M640301	11/15/1995
		Maximum Detected Mercury					041M5A0101	
		Average Mercury	21					

OU 2 Wetlands
Phase III
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID	SAMPLE D
5A	3	Dieldrin	0	2.9	U	µg/kg	041M5A0401	8/28/1
5A	3	Dieldrin	0	100	U	µg/kg	041M5A0501	8/28/199
5A	3	Dieldrin	1	1.4	J	µg/kg	041M5A0601	8/28/1997
64	3	Dieldrin	1	7.7	J	µg/kg	041M640601	9/3/1997
64	3	Dieldrin	1	17	J	µg/kg	041M640501	9/4/1997
64	3	Dieldrin	1	20	J	µg/kg	041M640401	9/4/1997
		Maximum Detected Dieldrin		20			041M640401	
		Average Dieldrin		16.26				
5A	3	Total BHC	0	11.2	U	µg/kg	041M5A0601	8/28/1997
5A	3	Total BHC	0	216	U	µg/kg	041M5A0501	8/28/1997
5A	3	Total BHC	1	8.04		µg/kg	041M5A0401	8/28/1997
64	3	Total BHC	0	35.6	U	µg/kg	041M640501	9/4/1997
64	3	Total BHC	1	13.29		µg/kg	041M640601	9/3/1997
64	3	Total BHC	1	42.69		µg/kg	041M640401	9/4/1997
		Maximum Detected Total BHC		42.69			041M640401	
		Average Total BHC	3	32.5700				
5A	3	Total Chlordane	0	0.4	U	µg/kg	041M5A0601	8/28/1997
5A	3	Total Chlordane	0	108	U	µg/kg	041M5A0501	8/28/1997
5A	3	Total Chlordane	1	12.4		µg/kg	041M5A0401	8/28/1997
64	3	Total Chlordane	0	6	U	µg/kg	041M640601	9/3/1997
64	3	Total Chlordane	1	6.4		µg/kg	041M640501	9/4/1997
64	3	Total Chlordane	1	19.7		µg/kg	041M640401	9/4/1997
		Maximum Detected Total Chlordane		19.7			041M5A0401	
		Average Total Chlordane	3	15.95				
5A	3	Total DDT	0	300	U	µg/kg	041M5A0501	8/28/1997
5A	3	Total DDT	1	8.1		µg/kg	041M5A0601	8/28/1997
5A	3	Total DDT	1	164.2		µg/kg	041M5A0401	8/28/1997
64	3	Total DDT	1	70.7		µg/kg	041M640501	9/4/1997
64	3	Total DDT	1	116		µg/kg	041M640601	9/3/19
64	3	Total DDT	1	196		µg/kg	041M640401	9/4/19
		Maximum Detected Total DDT		196			041M640401	
		Average Total DDT	5	117.5000				
5A	3	Total Endrin	0	6.25	U	µg/kg	041M5A0401	8/28/1997
5A	3	Total Endrin	0	202.4	U	µg/kg	041M5A0501	8/28/1997
5A	3	Total Endrin	1	11.9		µg/kg	041M5A0601	8/28/1997
64	3	Total Endrin	0	33	U	µg/kg	041M640601	9/3/1997
64	3	Total Endrin	0	51	U	µg/kg	041M640501	9/4/1997
64	3	Total Endrin	0	78	U	µg/kg	041M640401	9/4/1997
		Maximum Detected Total Endrin		11.9			041M5A0601	
		Average Total Endrin	1	32.8708				
5A	3	Total PCBs	0	400	U	µg/kg	041M5A0401	8/28/1997
5A	3	Total PCBs	0	434	U	µg/kg	041M5A0601	8/28/1997
5A	3	Total PCBs	0	8100	U	µg/kg	041M5A0501	8/28/1997
64	3	Total PCBs	1	950		µg/kg	041M640601	9/3/1997
64	3	Total PCBs	1	1480		µg/kg	041M640501	9/4/1997
64	3	Total PCBs	1	2140		µg/kg	041M640401	9/4/1997
		Maximum Detected Total PCBs		2140			041M640401	
		Average Total PCBs	3	1506.1667				
5A	3	Mercury	1	0.06		mg/kg	041M5A0601	8/28/1997
5A	3	Mercury	1	0.09		mg/kg	041M5A0501	8/28/1997
5A	3	Mercury	1	0.13		mg/kg	041M5A0401	8/28/1997
64	3	Mercury	1	0.25		mg/kg	041M640601	9/3/1997
64	3	Mercury	1	0.26		mg/kg	041M640501	9/4/1997
64	3	Mercury	1	0.26		mg/kg	041M640401 041M640501	9/4/1997
		Maximum Detected Mercury		0.26			041M640401	
		Average Mercury	6	0.175				

OU 2 Wetlands
Phase IV
2004 Data Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	Result 1/2SQL	VQUAL	Units	SAMPLE ID	SAMPLE DATE
5B	4	Dieldrin	1	8.6	8.6		UG/KG	041M5B0401	4/6/2004
5B	4	Dieldrin	1	9	9		UG/KG	041M5B0501	4/6/2004
5B	4	Dieldrin	1	14	14		UG/KG	041M5B0301	4/6/2004
5B	4	Dieldrin	1	29	29		UG/KG	041M5B0202	4/6/2004
5B	4	Dieldrin	1	100	100		UG/KG	041M5B0601	4/6/2004
64	4	Dieldrin	0	4	2	U	UG/KG	041M640702	8/1/2001
64	4	Dieldrin	0	4.1	2.05	UJ	UG/KG	041M642402	8/1/2001
64	4	Dieldrin	0	43	21.5	UJ	UG/KG	041M640302	8/1/2001
64	4	Dieldrin	0	48	24	U	UG/KG	041M640602	8/1/2001
64	4	Dieldrin	0	60	30	U	UG/KG	041M640502	8/2/2001
64	4	Dieldrin	0	68	34	U	UG/KG	041M640202	8/1/2001
64	4	Dieldrin	0	130	65	UJ	UG/KG	041M641102	8/2/2001
Maximum Detected Dieldrin				100				041M5B0601	
Average Dieldrin				28.26					
5B	4	Total BHC	0	1.16	0.58	U	UG/KG	041M5B0401	4/6/2004
5B	4	Total BHC	0	1.23	0.615	U	UG/KG	041M5B0501	4/6/2004
5B	4	Total BHC	0	1.43	0.715	U	UG/KG	041M5B0301	4/6/2004
5B	4	Total BHC	0	1.77	0.885	U	UG/KG	041M5B0202	4/6/2004
5B	4	Total BHC	1	4.05	4.05		UG/KG	041M5B0601	4/6/2004
64	4	Total BHC	0	8.4	4.2	U	UG/KG	041M642402	8/1/2001
64	4	Total BHC	0	88	44	U	UG/KG	041M640302	8/1/2001
64	4	Total BHC	1	6.96	6.96		UG/KG	041M640702	8/1/2001
64	4	Total BHC	1	77.1	77.1		UG/KG	041M640602	8/1/2001
64	4	Total BHC	1	96.6	96.6		UG/KG	041M640502	8/2/2001
64	4	Total BHC	1	109.4	109.4		UG/KG	041M640202	8/1/2001
64	4	Total BHC	1	210.9	210.9		UG/KG	041M641102	8/2/2001
		Maximum Detected Total BHC		210.9				041M641102	
		Average Total BHC	6	46.33					
5B	4	Total Chlordane	0	0.35	0.175	U	UG/KG	041M5B0401	4/6/2004
5B	4	Total Chlordane	0	0.37	0.185	U	UG/KG	041M5B0501	4/6/2004
5B	4	Total Chlordane	0	0.43	0.215	U	UG/KG	041M5B0301	4/6/2004
5B	4	Total Chlordane	0	0.53	0.265	U	UG/KG	041M5B0202	4/6/2004
5B	4	Total Chlordane	0	0.55	0.275	U	UG/KG	041M5B0601	4/6/2004
64	4	Total Chlordane	0	4.2	2.1	U	UG/KG	041M640702	8/1/2001
64	4	Total Chlordane	0	4.2	2.1	U	UG/KG	041M642402	8/1/2001
64	4	Total Chlordane	0	44	22	U	UG/KG	041M640302	8/1/2001
64	4	Total Chlordane	0	50	25	U	UG/KG	041M640602	8/1/2001
64	4	Total Chlordane	0	62	31	U	UG/KG	041M640502	8/2/2001
64	4	Total Chlordane	0	70	35	U	UG/KG	041M640202	8/1/2001
64	4	Total Chlordane	0	136	68	U	UG/KG	041M641102	8/2/2001
		Maximum Detected Total Chlordane							
		Average Total Chlordane	0	15.53					
5B	4	Total DDT	0	17.4	8.7	U	UG/KG	041M5B0401	4/6/2004
5B	4	Total DDT	0	18.5	9.25	U	UG/KG	041M5B0501	4/6/2004
5B	4	Total DDT	1	32.7	32.7		UG/KG	041M5B0202	4/6/2004
5B	4	Total DDT	1	34.7	34.7		UG/KG	041M5B0301	4/6/2004
5B	4	Total DDT	1	39	39		UG/KG	041M5B0601	4/6/2004
64	4	Total DDT	0	12	6	U	UG/KG	041M640702	8/1/2001
64	4	Total DDT	0	12.3	6.15	U	UG/KG	041M642402	8/1/2001
64	4	Total DDT	0	390	195	U	UG/KG	041M641102	8/2/2001
64	4	Total DDT	1	65.4	65.4		UG/KG	041M640302	8/1/2001
64	4	Total DDT	1	115	115		UG/KG	041M640502	8/2/2001
64	4	Total DDT	1	141	141		UG/KG	041M640202	8/1/2001
64	4	Total DDT	1	178	178		UG/KG	041M640602	8/1/2001
		Maximum Detected Total DDT		178				041M640602	
		Average Total DDT	7	69.24166667					
5B	4	Total Endrin	0	1.62	0.81	U	UG/KG	041M5B0401	4/6/2004
5B	4	Total Endrin	0	1.72	0.86	U	UG/KG	041M5B0501	4/6/2004
5B	4	Total Endrin	0	2	1	U	UG/KG	041M5B0301	4/6/2004
5B	4	Total Endrin	0	2.49	1.245	U	UG/KG	041M5B0202	4/6/2004
5B	4	Total Endrin	0	2.54	1.27	U	UG/KG	041M5B0601	4/6/2004
64	4	Total Endrin	0	12	6	U	UG/KG	041M640702	8/1/2001
64	4	Total Endrin	0	12.3	6.15	U	UG/KG	041M642402	8/1/2001
64	4	Total Endrin	0	129	64.5	U	UG/KG	041M640302	8/1/2001
64	4	Total Endrin	0	144	72	U	UG/KG	041M640602	8/1/2001
64	4	Total Endrin	0	180	90	U	UG/KG	041M640502	8/2/2001
64	4	Total Endrin	0	204	102	U	UG/KG	041M640202	8/1/2001
64	4	Total Endrin	0	390	195	U	UG/KG	041M641102	8/2/2001
		Maximum Detected Total Endrin							
		Average Total Endrin	0	45.0696					

OU 2 Wetlands
Phase IV
2004 Data Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	Result 1/2SQL	VQUAL	Units	SAMPLE ID	SAMPLE DATE
5B	4	Total PCBs	0	75.5	37.75	U	UG/KG	041M5B0401	4/6/2004
5B	4	Total PCBs	1	92	92		UG/KG	041M5B0501	4/6/2004
5B	4	Total PCBs	1	145	145		UG/KG	041M5B0301	4/6/2004
5B	4	Total PCBs	1	203.9	203.9		UG/KG	041M5B0601	4/6/2004
5B	4	Total PCBs	1	255.7	255.7		UG/KG	041M5B0202	4/6/2004
64	4	Total PCBs	0	322	161	U	UG/KG	041M640702	8/1/2001
64	4	Total PCBs	0	330	165	U	UG/KG	041M642402	8/1/2001
64	4	Total PCBs	0	3450	1725	U	UG/KG	041M640302	8/1/2001
64	4	Total PCBs	0	3860	1930	U	UG/KG	041M640602	8/1/2001
64	4	Total PCBs	0	4800	2400	U	UG/KG	041M640502	8/2/2001
64	4	Total PCBs	0	5480	2740	U	UG/KG	041M640202	8/1/2001
64	4	Total PCBs	0	10500	5250	U	UG/KG	041M641102	8/2/2001
		Maximum Detected Total PCBs		255.7				041M5B0202	
		Average Total PCBs	4	1258.779167					
5B	4	Mercury	0	0.0068	0.0034	U	MG/KG	041M5B0401	4/6/2004
5B	4	Mercury	1	0.019	0.019	I	MG/KG	041M5B0501	4/6/2004
5B	4	Mercury	1	0.086	0.086		MG/KG	041M5B0301	4/6/2004
5B	4	Mercury	1	0.12	0.12		MG/KG	041M5B0601	4/6/2004
5B	4	Mercury	1	0.22	0.22		MG/KG	041M5B0202	4/6/2004
64	4	Mercury	0	0.0057	0.00285	U	MG/KG	041M642402	8/1/2001
64	4	Mercury	1	0.0066	0.0066	J	MG/KG	041M640702	8/1/2001
64	4	Mercury	1	0.12	0.12		MG/KG	041M640602	8/1/2001
64	4	Mercury	1	0.18	0.18		MG/KG	041M640302	8/1/2001
64	4	Mercury	1	0.24	0.24		MG/KG	041M640202	8/1/2001
64	4	Mercury	1	0.31	0.31		MG/KG	041M640502	8/2/2001
64	4	Mercury	1	0.46	0.46		MG/KG	041M641102	8/2/2001
		Maximum Detected Mercury		0.46				041M641102	
		Average Mercury	10	0.1473					

Chevalier Field Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLANDS	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID
63A	2	Total BHC	0	0.392	U	µg/kg	041M63A101
63A	2	Total BHC	0	0.4	U	µg/kg	041M63A501
63A	2	Total BHC	0	0.52	U	µg/kg	041M63A401
63A	2	Total BHC	0	0.76	U	µg/kg	041M63A301
63A	2	Total BHC	1	0.67		µg/kg	041M63A201
63B	2	Total BHC	0	0.44	U	µg/kg	041M63B401
63B	2	Total BHC	0	0.44	U	µg/kg	041M63B301
63B	2	Total BHC	0	0.48	U	µg/kg	041M63B201
		Maximum Detected Total BHC		0.67			041M63A201
		Average Total BHC		0.29825			
63A	2	Total Chlordane	0	0.196	U	µg/kg	041M63A101
63A	2	Total Chlordane	0	0.2	U	µg/kg	041M63A501
63A	2	Total Chlordane	0	0.22	U	µg/kg	041M63A201
63A	2	Total Chlordane	0	0.26	U	µg/kg	041M63A401
63A	2	Total Chlordane	1	2.4		µg/kg	041M63A301
63B	2	Total Chlordane	0	0.22	U	µg/kg	041M63B301
63B	2	Total Chlordane	0	0.22	U	µg/kg	041M63B401
63B	2	Total Chlordane	0	0.24	U	µg/kg	041M63B201
		Maximum Detected Total Chlordane		2.4			041M63A301
		Average Total BHC		0.39725			
63A	2	Total DDT	0	0.6	U	µg/kg	041M63A101
63A	2	Total DDT	0	0.63	U	µg/kg	041M63A501
63A	2	Total DDT	1	1.36		µg/kg	041M63A401
63A	2	Total DDT	1	2.54		µg/kg	041M63A201
63A	2	Total DDT	1	7.08		µg/kg	041M63A301
63B	2	Total DDT	0	0.63	U	µg/kg	041M63B301
63B	2	Total DDT	1	0.36		µg/kg	041M63B101
63B	2	Total DDT	1	0.82		µg/kg	041M63B401
63B	2	Total DDT	1	0.84		µg/kg	041M63B201
		Maximum Detected Total DDT		7.08			041M63A301
		Average Total DDT		1.5477778			
63A	2	Total Endrin	0	0.6	U	µg/kg	041M63A101
63A	2	Total Endrin	0	0.63	U	µg/kg	041M63A501
63A	2	Total Endrin	0	0.66	U	µg/kg	041M63A201
63A	2	Total Endrin	0	0.78	U	µg/kg	041M63A401
63A	2	Total Endrin	1	3.46		µg/kg	041M63A301
63B	2	Total Endrin	0	0.63	U	µg/kg	041M63B301
63B	2	Total Endrin	0	0.66	U	µg/kg	041M63B401
63B	2	Total Endrin	0	0.69	U	µg/kg	041M63B201
		Maximum Detected Total Endrin		3.46			041M63A301
		Average Total Endrin		0.723125			
63A	2	Dieldrin	0	0.2	U	µg/kg	041M63A101
63A	2	Dieldrin	0	0.21	U	µg/kg	041M63A501
63A	2	Dieldrin	0	0.22	U	µg/kg	041M63A201
63A	2	Dieldrin	0	0.26	UJ	µg/kg	041M63A401
63A	2	Dieldrin	1	4.1	J	µg/kg	041M63A301
63B	2	Dieldrin	0	0.21	U	µg/kg	041M63B301
63B	2	Dieldrin	0	0.22	U	µg/kg	041M63B401
63B	2	Dieldrin	0	0.23	U	µg/kg	041M63B201
		Maximum Detected Dieldrin		4.1			041M63A301
		Average Dieldrin		0.609375			
63A	2	Total PCBs	0	15.9	U	µg/kg	041M63A101
63A	2	Total PCBs	1	18.4		µg/kg	041M63A501
63A	2	Total PCBs	1	19.3		µg/kg	041M63A401
63A	2	Total PCBs	1	29.2		µg/kg	041M63A201
63A	2	Total PCBs	1	286.4		µg/kg	041M63A301
63B	2	Total PCBs	1	6.3		µg/kg	041M63B101
63B	2	Total PCBs	1	15.9		µg/kg	041M63B301
63B	2	Total PCBs	1	17.7		µg/kg	041M63B201
63B	2	Total PCBs	1	18.4		µg/kg	041M63B401
		Maximum Detected Total PCBs		286.4			041M63A301
		Average Total PCBs	8	46.616667			

Chevalier Field Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLANDS	PHASE	PARAMETER	Detect	RESULT	VQUAL	Units	SAMPLE ID
63A	2	Mercury	0	0.05	U	mg/kg	041M63A101
63A	2	Mercury	0	0.05	U	mg/kg	041M63A201
63A	2	Mercury	0	0.05	U	mg/kg	041M63A501
63A	2	Mercury	0	0.07	U	mg/kg	041M63A401
63A	2	Mercury	1	0.14	J	mg/kg	041M63A301
63B	2	Mercury	0	0.05	U	mg/kg	041M63B301
63B	2	Mercury	0	0.05	U	mg/kg	041M63B401
63B	2	Mercury	0	0.06	U	mg/kg	041M63B201
63B	2	Mercury	0	0.07	U	mg/kg	041M63B101
		Maximum Detected Mercury		0.14			041M63A301
		Average Mercury	1	0.0405556			

OU 10 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	DETECT	RESULT	QUAL	UNITS	SAMPLE ID	SAMPLE DATE
10	2	Total Endrin	0	0.63	U	µg/kg	041M10A201	11/28/1995
10	2	Total Endrin	0	0.63	U	µg/kg	041M10A101	11/28/1995
10	2	Total Endrin	0	0.63	U	µg/kg	041M10A301	11/27/1995
10	2	Total Endrin	0	12.9	U	µg/kg	033M002001	1/19/1993
10	2	Total Endrin	0	13.2	U	µg/kg	033M001001	1/19/1993
10	2	Total Endrin	1	5.24		µg/kg	033M004001	1/19/1993
10	2	Total Endrin	1	10.7		µg/kg	033M003001	1/19/1993
12	2	Total Endrin	1	0.92		µg/kg	041M120201	11/29/1995
12	2	Total Endrin	1	13.42		µg/kg	041M120101	11/28/1995
13	2	Total Endrin	0	0.78	U	µg/kg	041M130101	11/27/1995
		Maximum Detected Total Endrin		13.42			041M120101	
		Average Total Endrin	4	4.47				
10	2	Total DDT	0	0.63	U	µg/kg	041M10A101	11/28/1995
10	2	Total DDT	1	0.99		µg/kg	041M10A201	11/28/1995
10	2	Total DDT	1	2.76		µg/kg	041M10A301	11/27/1995
10	2	Total DDT	1	50.8		µg/kg	033M004001	1/19/1993
10	2	Total DDT	1	64.2		µg/kg	033M001001	1/19/1993
10	2	Total DDT	1	98.8		µg/kg	033M002001	1/19/1993
10	2	Total DDT	1	264		µg/kg	033M003001	1/19/1993
12	2	Total DDT	0	0.63	U	µg/kg	041M120101	11/28/1995
12	2	Total DDT	1	1.61		µg/kg	041M120201	11/29/1995
13	2	Total DDT	1	3.56		µg/kg	041M130101	11/27/1995
		Maximum Detected Total DDT		264			033M003001	
		Average Total DDT	8	48.74				
10	2	Total Chlordane	0	0.2	U	µg/kg	041M10A201	11/28/1995
10	2	Total Chlordane	1	0.25		µg/kg	041M10A301	11/27/1995
10	2	Total Chlordane	1	0.29		µg/kg	041M10A101	11/28/1995
10	2	Total Chlordane	1	0.4		µg/kg	033M004001	1/19/1993
10	2	Total Chlordane	1	0.78		µg/kg	033M002001	1/19/1993
10	2	Total Chlordane	1	1.78		µg/kg	033M001001	1/19/1993
10	2	Total Chlordane	1	2.31		µg/kg	033M003001	1/19/1993
12	2	Total Chlordane	0	0.2	U	µg/kg	041M120101	11/28/1995
12	2	Total Chlordane	0	0.32	U	µg/kg	041M120201	11/29/1995
13	2	Total Chlordane	0	0.24	U	µg/kg	041M130101	11/27/1995
		Maximum Detected Total Chlordane		2.31			033M001001	
		Average Total Chlordane	6	0.63				
10	2	Total BHC	0	0.4	U	µg/kg	041M10A101	11/28/1995
10	2	Total BHC	0	0.4	U	µg/kg	041M10A301	11/27/1995
10	2	Total BHC	0	0.4	U	µg/kg	041M10A201	11/28/1995
10	2	Total BHC	0	8.8	U	µg/kg	033M004001	1/19/1993
10	2	Total BHC	1	4.94		µg/kg	033M002001	1/19/1993
10	2	Total BHC	1	5.554		µg/kg	033M001001	1/19/1993
10	2	Total BHC	1	6.68		µg/kg	033M003001	1/19/1993
12	2	Total BHC	0	0.64	U	µg/kg	041M120201	11/29/1995
12	2	Total BHC	1	2.19		µg/kg	041M120101	11/28/1995
13	2	Total BHC	0	0.48	U	µg/kg	041M130101	11/27/1995
		Maximum Detected Total BHC		6.68			033M003001	
		Average Total BHC	4	2.49				
10	2	Dieldrin	0	0.21	U	µg/kg	041M10A201	11/28/1995
10	2	Dieldrin	0	0.21	U	µg/kg	041M10A301	11/27/1995
10	2	Dieldrin	0	0.21	U	µg/kg	041M10A101	11/28/1995
10	2	Dieldrin	0	4.2	U	µg/kg	033M003001	1/19/1993
10	2	Dieldrin	0	4.3	U	µg/kg	033M002001	1/19/1993
10	2	Dieldrin	0	4.4	U	µg/kg	033M001001	1/19/1993
10	2	Dieldrin	1	0.39	J	µg/kg	033M004001	1/19/1993
12	2	Dieldrin	0	0.21	U	µg/kg	041M120101	11/28/1995
12	2	Dieldrin	1	0.31	J	µg/kg	041M120201	11/29/1995
13	2	Dieldrin	1	0.3	J	µg/kg	041M130101	11/27/1995
		Maximum Detected Dieldrin		0.39			033M004001	
		Average Dieldrin	3	0.79				
10	2	Total PCBs	0	16.6	U	µg/kg	041M10A201	11/28/1995
10	2	Total PCBs	0	16.6	U	µg/kg	041M10A301	11/27/1995
10	2	Total PCBs	0	16.7	U	µg/kg	041M10A101	11/28/1995
10	2	Total PCBs	0	337	U	µg/kg	033M003001	1/19/1993
10	2	Total PCBs	0	344	U	µg/kg	033M004001	1/19/1993
10	2	Total PCBs	1	314		µg/kg	033M002001	1/19/1993
10	2	Total PCBs	1	358		µg/kg	033M001001	1/19/1993
12	2	Total PCBs	0	16.7	U	µg/kg	041M120101	11/28/1995
12	2	Total PCBs	0	25.4	U	µg/kg	041M120201	11/29/1995
13	2	Total PCBs	0	20.6	U	µg/kg	041M130101	11/27/1995
		Maximum Detected Total PCBs		358			033M001001	
		Average Total PCBs	2	106.88				
10	2	Mercury	0	0.05	U	mg/kg	041M10A301	11/27/1995
10	2	Mercury	0	0.05	U	mg/kg	041M10A201	11/28/1995
10	2	Mercury	0	0.07	U	mg/kg	041M10A101	11/28/1995
10	2	Mercury	0	0.13	U	mg/kg	033M002001	1/19/1993
10	2	Mercury	0	0.13	U	mg/kg	033M004001	1/19/1993
10	2	Mercury	0	0.13	U	mg/kg	033M003001	1/19/1993
10	2	Mercury	0	0.13	U	mg/kg	033M001001	1/19/1993
12	2	Mercury	0	0.06	U	mg/kg	041M120101	11/28/1995
12	2	Mercury	0	0.1	U	mg/kg	041M120201	11/29/1995
13	2	Mercury	0	0.06	U	mg/kg	041M130101	11/27/1995
		Maximum Detected Mercury		0				
		Average Mercury		0.0455				

UST 18 Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	DETECT	RESULT	VQUAL	UNITS	SAMPLE ID	SAMPLE DATE
52	2	Total BHC	0	0.88	U	µg/kg	041M52E201	1/23/1996
52	2	Total BHC	0	2.76	U	µg/kg	041M52A101	1/23/1996
52	2	Total BHC	1	0.5		µg/kg	041M52E301	1/24/1996
52	2	Total BHC	1	0.82		µg/kg	041M52E101	1/23/1996
52	2	Total BHC	1	1.24		µg/kg	041M52D101	1/23/1996
72	2	Total BHC	0	0.4	U	µg/kg	041M720201	11/29/1995
72	2	Total BHC	0	0.44	U	µg/kg	041M720101	11/29/1995
W1	2	Total BHC	0	8.4	U	µg/kg	003M000201	8/9/1995
W1	2	Total BHC	1	2.34		µg/kg	003M000101	8/9/1995
W1	2	Total BHC	1	5.126		µg/kg	003M000301	8/9/1995
		Maximum Detected Total BHC		5.126			003M000301	
		Average Total BHC	5	1.647				
52	2	Total Chlordane	0	0.24	U	µg/kg	041M52E301	1/24/1996
52	2	Total Chlordane	0	0.26	U	µg/kg	041M52E101	1/23/1996
52	2	Total Chlordane	0	0.42	U	µg/kg	041M52D101	1/23/1996
52	2	Total Chlordane	1	0.56		µg/kg	041M52E201	1/23/1996
52	2	Total Chlordane	1	1.6		µg/kg	041M52A101	1/23/1996
72	2	Total Chlordane	0	0.2	U	µg/kg	041M720201	11/29/1995
72	2	Total Chlordane	0	0.22	U	µg/kg	041M720101	11/29/1995
W1	2	Total Chlordane	0	4.2	U	µg/kg	003M000201	8/9/1995
W1	2	Total Chlordane	1	0.184		µg/kg	003M000301	8/9/1995
W1	2	Total Chlordane	1	2.15		µg/kg	003M000101	8/9/1995
		Maximum Detected Total Chlordane		2.150			003M000101	
		Average Total Chlordane		0.726				
52	2	Total DDT	0	0.72	U	µg/kg	041M52E301	1/24/1996
52	2	Total DDT	0	4.2	U	µg/kg	041M52A101	1/23/1996
52	2	Total DDT	1	1.31		µg/kg	041M52D101	1/23/1996
52	2	Total DDT	1	1.41		µg/kg	041M52E201	1/23/1996
52	2	Total DDT	1	14.4		µg/kg	041M52E101	1/23/1996
72	2	Total DDT	1	0.62		µg/kg	041M720201	11/29/1995
72	2	Total DDT	1	0.73		µg/kg	041M720101	11/29/1995
W1	2	Total DDT	0	12.3	U	µg/kg	003M000201	8/9/1995
W1	2	Total DDT	1	5.92		µg/kg	003M000301	8/9/1995
W1	2	Total DDT	1	17.86		µg/kg	003M000101	8/9/1995
		Maximum Detected Total DDT		17.860			041M52E101	
		Average Total DDT	7	5.086				
52	2	Total Endrin	0	0.72	U	µg/kg	041M52E301	1/24/1996
52	2	Total Endrin	0	0.78	U	µg/kg	041M52E101	1/23/1996
52	2	Total Endrin	0	4.2	U	µg/kg	041M52A101	1/23/1996
52	2	Total Endrin	1	2.6		µg/kg	041M52E201	1/23/1996
52	2	Total Endrin	1	3.26		µg/kg	041M52D101	1/23/1996
72	2	Total Endrin	0	0.63	U	µg/kg	041M720201	11/29/1995
72	2	Total Endrin	0	0.69	U	µg/kg	041M720101	11/29/1995
W1	2	Total Endrin	0	12.3	U	µg/kg	003M000201	8/9/1995
W1	2	Total Endrin	1	3.44		µg/kg	003M000101	8/9/1995
W1	2	Total Endrin	1	9.63		µg/kg	003M000301	8/9/1995
		Maximum Detected Total Endrin		9.630			003M000301	
		Average Total Endrin	4	2.859				
52	2	Dieldrin	0	0.24	U	µg/kg	041M52E301	1/24/1996
52	2	Dieldrin	0	0.26	U	µg/kg	041M52E101	1/23/1996
52	2	Dieldrin	0	0.43	U	µg/kg	041M52D101	1/23/1996
52	2	Dieldrin	0	0.45	U	µg/kg	041M52E201	1/23/1996
52	2	Dieldrin	1	9.5	J	µg/kg	041M52A101	1/23/1996
72	2	Dieldrin	0	0.21	U	µg/kg	041M720201	11/29/1995
72	2	Dieldrin	0	0.23	U	µg/kg	041M720101	11/29/1995
W1	2	Dieldrin	1	0.094	J	µg/kg	003M000201	8/9/1995
W1	2	Dieldrin	1	0.42	J	µg/kg	003M000101	8/9/1995
W1	2	Dieldrin	1	0.67	J	µg/kg	003M000301	8/9/1995
		Maximum Detected Dieldrin		9.500			041M52A101	
		Average Dieldrin	4	1.159				
52	2	Total PCBs	0	19.3	U	µg/kg	041M52E301	1/24/1996
52	2	Total PCBs	0	20.9	U	µg/kg	041M52E101	1/23/1996
52	2	Total PCBs	0	112	U	µg/kg	041M52A101	1/23/1996
52	2	Total PCBs	1	33.7		µg/kg	041M52D101	1/23/1996
52	2	Total PCBs	1	34.8		µg/kg	041M52E201	1/23/1996
72	2	Total PCBs	0	16.7	U	µg/kg	041M720201	11/29/1995
72	2	Total PCBs	0	18.3	U	µg/kg	041M720101	11/29/1995
W1	2	Total PCBs	0	330	U	µg/kg	003M000201	8/9/1995
W1	2	Total PCBs	0	378	U	µg/kg	003M000301	8/9/1995
W1	2	Total PCBs	0	1200	U	µg/kg	003M000101	8/9/1995
		Maximum Detected Total PCBs		34.800			041M52E201	
		Average Total PCBs	2	111.610				
52	2	Mercury	0	0.06	U	mg/kg	041M52E301	1/24/1996
52	2	Mercury	0	0.08	U	mg/kg	041M52E101	1/23/1996
52	2	Mercury	0	0.1	U	mg/kg	041M52D101	1/23/1996
52	2	Mercury	0	0.37	U	mg/kg	041M52E201	1/23/1996
52	2	Mercury	0	0.38	U	mg/kg	041M52A101	1/23/1996
72	2	Mercury	0	0.05	U	mg/kg	041M720201	11/29/1995
72	2	Mercury	0	0.06	U	mg/kg	041M720101	11/29/1995
W1	2	Mercury	0	0.13	U	mg/kg	003M000201	8/9/1995
W1	2	Mercury	0	0.14	U	mg/kg	003M000301	8/9/1995
W1	2	Mercury	0	0.45	U	mg/kg	003M000101	8/9/1995
		Maximum Detected Mercury		0.000				
		Average Mercury	0	0.091				

Remaining Wetlands
Phase II
Food Chain Modeling Sediment Data

WETLAND	PHASE	PARAMETER	Detect	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID	SAMPLE DATE
48	2	Total BHC	0	40	20	U	µg/kg	041M480101	1/22/1996
56	2	Total BHC	1	0.79	0.79		µg/kg	041M56A101	1/24/1996
57	2	Total BHC	1	0.95	0.95		µg/kg	041M570101	11/29/1995
58	2	Total BHC	0	0.48	0.24	U	µg/kg	041M580101	1/24/1996
19A	2	Total BHC	0	2.72	1.36	U	µg/kg	041M19A101	1/16/1996
19A	2	Total BHC	1	0.41	0.41		µg/kg	041M19A201	1/16/1996
19B	2	Total BHC	1	0.64	0.64		µg/kg	041M19B101	1/16/1996
49	2	Total BHC	0	0.48	0.24	U	µg/kg	041M490301	1/16/1996
49	2	Total BHC	0	2.48	1.24	U	µg/kg	041M490201	1/16/1996
49	2	Total BHC	0	4	2	U	µg/kg	041M490101	1/16/1996
W2	2	Total BHC	0	0.4	0.2	U	µg/kg	041MW20201	1/24/1996
W2	2	Total BHC	0	1.84	0.92	U	µg/kg	041MW20301	1/24/1996
W2	2	Total BHC	1	0.96	0.96		µg/kg	041MW20101	1/24/1996
		Maximum Detected Total BHC		0.96				041M750101	
		Average Total BHC	5	2.30					
48	2	Total Chlordane	0	20	10	U	µg/kg	041M480101	1/22/1996
56	2	Total Chlordane	0	0.26	0.13	U	µg/kg	041M56A101	1/24/1996
57	2	Total Chlordane	0	0.36	0.18	U	µg/kg	041M570101	11/29/1995
58	2	Total Chlordane	0	0.24	0.12	U	µg/kg	041M580101	1/24/1996
19A	2	Total Chlordane	0	0.2	0.1	U	µg/kg	041M19A201	1/16/1996
19A	2	Total Chlordane	1	1.98	1.98		µg/kg	041M19A101	1/16/1996
19B	2	Total Chlordane	0	0.22	0.11	U	µg/kg	041M19B101	1/16/1996
49	2	Total Chlordane	0	0.24	0.12	U	µg/kg	041M490301	1/16/1996
49	2	Total Chlordane	0	1.24	0.62	U	µg/kg	041M490201	1/16/1996
49	2	Total Chlordane	0	2	1	U	µg/kg	041M490101	1/16/1996
W2	2	Total Chlordane	0	0.92	0.46	U	µg/kg	041MW20301	1/24/1996
W2	2	Total Chlordane	1	0.25	0.25		µg/kg	041MW20101	1/24/1996
W2	2	Total Chlordane	1	0.32	0.32		µg/kg	041MW20201	1/24/1996
		Maximum Detected Total Chlordane		1.98				041MW20201	
		Average Total Chlordane	3	1.18					
48	2	Total DDT	1	3460	3460		µg/kg	041M480101	1/22/1996
56	2	Total DDT	1	61.1	61.1		µg/kg	041M56A101	1/24/1996
57	2	Total DDT	1	11.7	11.7		µg/kg	041M570101	11/29/1995
58	2	Total DDT	0	0.69	0.345	U	µg/kg	041M580101	1/24/1996
19A	2	Total DDT	0	4.2	2.1	U	µg/kg	041M19A101	1/16/1996
19A	2	Total DDT	1	0.97	0.76		µg/kg	041M19A201	1/16/1996
19B	2	Total DDT	1	2.25	2.25		µg/kg	041M19B101	1/16/1996
49	2	Total DDT	0	0.72	0.36	U	µg/kg	041M490301	1/16/1996
49	2	Total DDT	1	71.2	71.2		µg/kg	041M490201	1/16/1996
49	2	Total DDT	1	113.2	113.2		µg/kg	041M490101	1/16/1996
W2	2	Total DDT	0	2.73	1.365	U	µg/kg	041MW20301	1/24/1996
W2	2	Total DDT	1	1.52	1.52		µg/kg	041MW20201	1/24/1996
W2	2	Total DDT	1	11.7	11.7		µg/kg	041MW20101	1/24/1996
		Maximum Detected Total DDT		3460	3460			041M480101	
		Average Total DDT	9	287.51					
48	2	Total Endrin	0	63	31.5	U	µg/kg	041M480101	1/22/1996
56	2	Total Endrin	1	0.93	0.93		µg/kg	041M56A101	1/24/1996
57	2	Total Endrin	0	1.11	0.555	U	µg/kg	041M570101	11/29/1995
58	2	Total Endrin	0	0.69	0.345	U	µg/kg	041M580101	1/24/1996
19A	2	Total Endrin	0	0.63	0.315	U	µg/kg	041M19A201	1/16/1996
19A	2	Total Endrin	0	4.2	2.1	U	µg/kg	041M19A101	1/16/1996
19B	2	Total Endrin	1	0.71	0.71		µg/kg	041M19B101	1/16/1996
49	2	Total Endrin	0	0.72	0.36	U	µg/kg	041M490301	1/16/1996
49	2	Total Endrin	0	3.9	1.95	U	µg/kg	041M490201	1/16/1996
49	2	Total Endrin	0	6.3	3.15	U	µg/kg	041M490101	1/16/1996
W2	2	Total Endrin	0	0.63	0.315	U	µg/kg	041MW20201	1/24/1996
W2	2	Total Endrin	1	1.21	1.21		µg/kg	041MW20101	1/24/1996
W2	2	Total Endrin	1	4.32	4.32		µg/kg	041MW20301	1/24/1996
		Maximum Detected Total Endrin		4.32				041MW20301	
		Average Total Endrin	4	3.67					
48	2	Dieldrin	0	21	10.5	U	µg/kg	041M480101	1/22/1996
56	2	Dieldrin	0	0.27	0.135	U	µg/kg	041M56A101	1/24/1996
57	2	Dieldrin	0	0.37	0.185	U	µg/kg	041M570101	11/29/1995
58	2	Dieldrin	0	0.23	0.115	U	µg/kg	041M580101	1/24/1996
19A	2	Dieldrin	0	1.4	0.7	U	µg/kg	041M19A101	1/16/1996
19A	2	Dieldrin	1	0.2	0.2	J	µg/kg	041M19A201	1/16/1996
19B	2	Dieldrin	1	0.21	0.21	J	µg/kg	041M19B101	1/16/1996
49	2	Dieldrin	0	0.24	0.12	U	µg/kg	041M490301	1/16/1996
49	2	Dieldrin	0	1.3	0.65	U	µg/kg	041M490201	1/16/1996
49	2	Dieldrin	0	2.1	1.05	U	µg/kg	041M490101	1/16/1996
W2	2	Dieldrin	0	0.21	0.105	U	µg/kg	041MW20201	1/24/1996
W2	2	Dieldrin	0	0.91	0.455	U	µg/kg	041MW20301	1/24/1996
W2	2	Dieldrin	1	0.34	0.34	J	µg/kg	041MW20101	1/24/1996
		Maximum Detected Dieldrin		0.034	0.34			041MW20102	
		Average Dieldrin	3	1.14					
48	2	Total PCBs	0	1670	835	U	µg/kg	041M480101	1/22/1996
56	2	Total PCBs	0	21.6	10.8	U	µg/kg	041M56A101	1/24/1996
57	2	Total PCBs	1	29.3	29.3		µg/kg	041M570101	11/29/1995
58	2	Total PCBs	1	16.76	16.76		µg/kg	041M580101	1/24/1996
19A	2	Total PCBs	0	111	55.5	U	µg/kg	041M19A101	1/16/1996
19A	2	Total PCBs	1	15.6	15.6		µg/kg	041M19A201	1/16/1996
19B	2	Total PCBs	1	19.4	19.4		µg/kg	041M19B101	1/16/1996
49	2	Total PCBs	0	19	9.5	U	µg/kg	041M490301	1/16/1996
49	2	Total PCBs	0	103	51.5	U	µg/kg	041M490201	1/16/1996
49	2	Total PCBs	0	166	83	U	µg/kg	041M490101	1/16/1996
W2	2	Total PCBs	1	17	17		µg/kg	041MW20101	1/24/1996
W2	2	Total PCBs	1	18.4	18.4		µg/kg	041MW20201	1/24/1996
W2	2	Total PCBs	1	69.1	69.1		µg/kg	041MW20301	1/24/1996
		Maximum Detected Total PCBs		69.1					
		Average Total PCBs		94.68					
48	2	Mercury	0	0.08	0.04	U	mg/kg	041M480101	1/22/1996
56	2	Mercury	0	0.07	0.035	U	mg/kg	041M56A101	1/24/1996
57	2	Mercury	1	0.14	0.14	J	mg/kg	041M570101	11/29/1995
58	2	Mercury	0	0.06	0.03	U	mg/kg	041M580101	1/24/1996
19A	2	Mercury	0	0.05	0.025	U	mg/kg	041M19A201	1/16/1996
19A	2	Mercury	0	0.27	0.135	U	mg/kg	041M19A101	1/16/1996
19B	2	Mercury	0	0.06	0.03	U	mg/kg	041M19B101	1/16/1996
49	2	Mercury	0	0.06	0.03	U	mg/kg	041M490301	1/16/1996
49	2	Mercury	0	0.06	0.03	U	mg/kg	041M490201	1/16/1996
49	2	Mercury	1	0.06	0.06	J	mg/kg	041M490101	1/16/1996
W2	2	Mercury	0	0.05	0.025	U	mg/kg	041MW20201	1/24/1996
W2	2	Mercury	0	0.07	0.035	U	mg/kg	041MW20101	1/24/1996
W2	2	Mercury	0	0.27	0.135	U	mg/kg	041MW20301	1/24/1996
		Maximum Detected Mercury		0.14	0.14			041M570101	
		Average Mercury		0.06					

Surface Water Data

OU 1 Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	Detects	RESULT	RESULT 1/25QL	UNITS	VQUAL	SAMPLE ID
15	2	Total BHC	0	0.2	0.1	UG/L	U	041W150201
15	2	Total BHC	0	0.2	0.1	UG/L	U	041W150101
16	2	Total BHC	0	0.2	0.1	UG/L	U	001W001601
16	2	Total BHC	0	0.2	0.1	UG/L	U	041W160101
16	2	Total BHC	0	0.2	0.1	UG/L	U	041W160201
17	2	Total BHC	0	0.2	0.1	UG/L	U	041W170101
18A	2	Total BHC	0	0.2	0.1	UG/L	U	041W18A201
18A	2	Total BHC	0	0.2	0.1	UG/L	U	001W001801
18B	2	Total BHC	0	0.2	0.1	UG/L	U	041W18B101
1A	2	Total BHC	0	0.2	0.1	UG/L	U	001W000101
1B	2	Total BHC	0	0.2	0.1	UG/L	U	041W010301
3	2	Total BHC	0	0.2	0.1	UG/L	U	001W000302
3	2	Total BHC	0	0.2	0.1	UG/L	U	041W030401
3	2	Total BHC	0	0.2	0.1	UG/L	U	041W030101
3	2	Total BHC	0	0.2	0.1	UG/L	U	001W000301
3	2	Total BHC	0	0.2	0.1	UG/L	U	041W030301
3	2	Total BHC	0	0.2	0.1	UG/L	U	001W000303
4D	2	Total BHC	0	0.2	0.1	UG/L	U	041W04D401
4D	2	Total BHC	0	0.2	0.1	UG/L	U	041W04D101
Maximum Detected Total BHC				0	0			
Average Total BHC				0.1				
15	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W150201
15	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W150101
16	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W160101
16	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W001601
16	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W160201
17	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W170101
18A	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W001801
18A	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W18A201
18B	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W18B101
1A	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W000101
1B	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W010301
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W030401
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W030101
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W000303
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W030301
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W000301
3	2	Total Chlordane	0	0.1	0.05	UG/L	U	001W000302
4D	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W04D101
4D	2	Total Chlordane	0	0.1	0.05	UG/L	U	041W04D401
Maximum Detected Total Chlordane				0	0			
Average Total Chlordane				0.05				
15	2	Total DDT	0	0.3	0.15	UG/L	U	041W150201
15	2	Total DDT	1	0.263	0.263	UG/L		041W150101
16	2	Total DDT	0	0.3	0.15	UG/L	U	041W160101
16	2	Total DDT	0	0.3	0.15	UG/L	U	041W160201
16	2	Total DDT	0	0.3	0.15	UG/L	U	001W001601
17	2	Total DDT	0	0.3	0.15	UG/L	U	041W170101
18A	2	Total DDT	0	0.3	0.15	UG/L	U	001W001801
18A	2	Total DDT	0	0.3	0.15	UG/L	U	041W18A201
18B	2	Total DDT	0	0.3	0.15	UG/L	U	041W18B101
1A	2	Total DDT	0	0.3	0.15	UG/L	U	001W000101
1B	2	Total DDT	0	0.3	0.15	UG/L	U	041W010301
3	2	Total DDT	0	0.3	0.15	UG/L	U	041W030101
3	2	Total DDT	0	0.3	0.15	UG/L	U	041W030301
3	2	Total DDT	0	0.3	0.15	UG/L	U	041W030401
3	2	Total DDT	0	0.3	0.15	UG/L	U	001W000301
3	2	Total DDT	0	0.3	0.15	UG/L	U	001W000302
3	2	Total DDT	0	0.3	0.15	UG/L	U	001W000303
4D	2	Total DDT	0	0.3	0.15	UG/L	U	041W04D401
4D	2	Total DDT	0	0.3	0.15	UG/L	U	041W04D101
Maximum Detected Total DDT				0.263				
Average Total DDT				0.1559				
15	2	Total Endrin	0	0.3	0.15	UG/L	U	041W150201
15	2	Total Endrin	0	0.3	0.15	UG/L	U	041W150101
16	2	Total Endrin	0	0.3	0.15	UG/L	U	041W160201
16	2	Total Endrin	0	0.3	0.15	UG/L	U	001W001601
16	2	Total Endrin	0	0.3	0.15	UG/L	U	041W160101
17	2	Total Endrin	0	0.3	0.15	UG/L	U	041W170101
18A	2	Total Endrin	0	0.3	0.15	UG/L	U	001W001801
18A	2	Total Endrin	0	0.3	0.15	UG/L	U	041W18A201
18B	2	Total Endrin	0	0.3	0.15	UG/L	U	041W18B101
1A	2	Total Endrin	0	0.3	0.15	UG/L	U	001W000101
1B	2	Total Endrin	0	0.3	0.15	UG/L	U	041W010301
3	2	Total Endrin	0	0.3	0.15	UG/L	U	001W000303
3	2	Total Endrin	0	0.3	0.15	UG/L	U	001W000301
3	2	Total Endrin	0	0.3	0.15	UG/L	U	001W000302
3	2	Total Endrin	0	0.3	0.15	UG/L	U	041W030301
3	2	Total Endrin	0	0.3	0.15	UG/L	U	041W030101
3	2	Total Endrin	0	0.3	0.15	UG/L	U	041W030401
3	2	Total Endrin	1	0.25	0.25	UG/L		041W030201
4D	2	Total Endrin	0	0.3	0.15	UG/L	U	041W04D101
4D	2	Total Endrin	0	0.3	0.15	UG/L	U	041W04D401

OU 1 Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	Detects	RESULT	RESULT 1/2SQL	UNITS	VQUAL	SAMPLE ID
Maximum Detected Total Endrin				0.25				
Average Total Endrin				0.155				
15	2	Total PCB	0	8	4	UG/L	U	041W150201
15	2	Total PCB	0	8	4	UG/L	U	041W150101
16	2	Total PCB	0	8	4	UG/L	U	041W160201
16	2	Total PCB	0	8	4	UG/L	U	001W001601
16	2	Total PCB	0	8	4	UG/L	U	041W160101
17	2	Total PCB	0	8	4	UG/L	U	041W170101
18A	2	Total PCB	0	8	4	UG/L	U	001W001801
18A	2	Total PCB	0	8	4	UG/L	U	041W18A201
18B	2	Total PCB	0	8	4	UG/L	U	041W18B101
1A	2	Total PCB	0	8	4	UG/L	U	001W000101
1B	2	Total PCB	0	8	4	UG/L	U	041W010301
3	2	Total PCB	0	8	4	UG/L	U	001W000301
3	2	Total PCB	0	8	4	UG/L	U	041W030101
3	2	Total PCB	0	8	4	UG/L	U	001W000302
3	2	Total PCB	0	8	4	UG/L	U	041W030401
3	2	Total PCB	0	8	4	UG/L	U	041W030301
3	2	Total PCB	0	8	4	UG/L	U	001W000303
3	2	Total PCB	1	0.5	0.5	UG/L		041W030201
4D	2	Total PCB	0	8	4	UG/L	U	041W04D401
4D	2	Total PCB	0	8	4	UG/L	U	041W04D101
Maximum Detected Total PCBs				0.5				
Average Total PCBs				3.825				
15	2	Mercury	0	0.13	0.065	UG/L	U	041W150201
15	2	Mercury	1	0.94	0.94	UG/L		041W150101
16	2	Mercury	0	0.13	0.065	UG/L	U	041W160101
16	2	Mercury	0	0.13	0.065	UG/L	U	041W160201
16	2	Mercury	0	0.2	0.1	UG/L	U	001W001601
17	2	Mercury	0	0.13	0.065	UG/L	U	041W170101
18A	2	Mercury	0	0.13	0.065	UG/L	U	041W18A201
18A	2	Mercury	0	0.2	0.1	UG/L	U	001W001801
18B	2	Mercury	0	0.14	0.07	UG/L	U	041W18B101
1A	2	Mercury	0	0.2	0.1	UG/L	U	001W000101
1B	2	Mercury	0	0.14	0.07	UG/L	U	041W010301
3	2	Mercury	0	0.13	0.065	UG/L	U	041W030401
3	2	Mercury	0	0.13	0.065	UG/L	U	041W030101
3	2	Mercury	0	0.13	0.065	UG/L	U	041W030201
3	2	Mercury	0	0.13	0.065	UG/L	U	041W030301
3	2	Mercury	0	0.2	0.1	UG/L	U	001W000303
3	2	Mercury	0	0.2	0.1	UG/L	U	001W000302
3	2	Mercury	0	0.2	0.1	UG/L	U	001W000301
4D	2	Mercury	0	0.13	0.065	UG/L	U	041W04D101
4D	2	Mercury	0	0.13	0.065	UG/L	U	041W04D401
Total Detected Mercury				0.94				
Average Mercury				0.11975				
3	2	Dieldrin	0	0.1	0.05	U	UG/L	001W000301
3	2	Dieldrin	0	0.1	0.05	U	UG/L	001W000302
3	2	Dieldrin	0	0.1	0.05	U	UG/L	001W000303
3	2	Dieldrin	0	0.1	0.05	U	UG/L	041W030101
3	2	Dieldrin	0	0.1	0.05	U	UG/L	041W030301
3	2	Dieldrin	0	0.1	0.05	U	UG/L	041W030401
3	3	Dieldrin	0	0.1	0.05	U	UG/L	041W030101
15	2	Dieldrin	0	0.1	0.05	U	UG/L	041W150101
15	2	Dieldrin	0	0.1	0.05	U	UG/L	041W150201
16	2	Dieldrin	0	0.1	0.05	U	UG/L	001W001601
16	2	Dieldrin	0	0.1	0.05	U	UG/L	041W160101
16	2	Dieldrin	0	0.1	0.05	U	UG/L	041W160201
17	2	Dieldrin	0	0.1	0.05	U	UG/L	041W170101
1A	2	Dieldrin	0	0.1	0.05	U	UG/L	001W000101
1B	2	Dieldrin	0	0.1	0.05	U	UG/L	041W010301
4D	2	Dieldrin	0	0.1	0.05	U	UG/L	041W04D401
4D	2	Dieldrin	0	0.1	0.05	U	UG/L	041W04D101
Maximum Detected Dieldrin				0				
Average Dieldrin				0.05				

OU 1 Wetlands
Phase III
Food Chain Modeling Surface Water

WETLAND	PHASE	PARAMETER	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID
3	3	Total BHC	0	0.2	0.1	U	UG/L	041W030101
3	3	Total Chlordane	0	0.1	0.05	U	UG/L	041W030101
3	3	Total DDT	0	0.3	0.15	U	UG/L	041W030101
3	3	Total Endrin	0	0.3	0.15	U	UG/L	041W030101
3	3	Total PCB	0	8	4	U	UG/L	041W030101
3	3	Mercury	0	0.05	0.025	U	UG/L	041W030101
3	3	Dieldrin	0	0.1	0.05	U	UG/L	041W030101

OU1 Wetlands
Phase IV
2004 Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID	SAMPLE DATE
16	4	Mercury	0	0.078	0.039	U	UG/L	041W150102	4/8/2004
17	4	Mercury	0	0.078	0.039	U	UG/L	041W170102	4/8/2004
16	4	Mercury	1	0.093	0.093	I	UG/L	041W150102	4/8/2004
17	4	Mercury	1	0.081	0.081	I	UG/L	041W170102	4/8/2004

OU 2 Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAM	Detects	RESULT	Result_1/2SQL	VQUAL	Units	SAMPLE_ID
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0701
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0601
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0401
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0201
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0101
5A	2	Total BHC	0	0.2	0.1	U	UG/L	041W5A0501
5B	2	Total BHC	0	0.2	0.1	U	UG/L	041W5B0201
6	2	Total BHC	0	0.2	0.1	U	UG/L	041W060701
6	2	Total BHC	0	0.2	0.1	U	UG/L	041W061001
Maximum Detected Total BHC				0				
Average Total BHC				0.1				
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0701
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0101
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0601
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0201
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0501
5A	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0401
5B	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W5B0201
6	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W060701
6	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W061001
6	2	Total Chlordane	0	0.1	0.05	U	UG/L	041W060301
Maximum Detected Total Chlordane				0				
Average Total Chlordane				0.05				
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0501
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0101
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0401
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0701
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0601
5A	2	Total DDT	0	0.3	0.15	U	UG/L	041W5A0201
5B	2	Total DDT	0	0.3	0.15	U	UG/L	041W5B0201
6	2	Total DDT	0	0.3	0.15	U	UG/L	041W060301
6	2	Total DDT	0	0.3	0.15	U	UG/L	041W060701
6	2	Total DDT	0	0.3	0.15	U	UG/L	041W061001
Maximum Detected Total DDT				0				
Average DDT				0.15				
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0101
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0701
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0201
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0501
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0401
5A	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0601
5B	2	Total Endrin	0	0.3	0.15	U	UG/L	041W5B0201
6	2	Total Endrin	0	0.3	0.15	U	UG/L	041W060301
6	2	Total Endrin	0	0.3	0.15	U	UG/L	041W060701
6	2	Total Endrin	0	0.3	0.15	U	UG/L	041W061001
Maximum Detected Total Endrin				0				
Average Total Endrin				0.15				
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0201
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0501
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0701
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0401
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0101
5A	2	Total PCB	0	8	4	U	UG/L	041W5A0601
5B	2	Total PCB	0	8	4	U	UG/L	041W5B0201
6	2	Total PCB	0	8	4	U	UG/L	041W060701
6	2	Total PCB	0	8	4	U	UG/L	041W061001
6	2	Total PCB	0	8	4	U	UG/L	041W060301
Maximum Detected Total PCB				0				
Average Total PCB				4				
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0101
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0201
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0401
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0501
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0601
5A	2	Mercury	0	0.13	0.065	U	UG/L	041W5A0701
5B	2	Mercury	1	0.14	0.14	J	UG/L	041W5B0201
6	2	Mercury	0	0.13	0.065	U	UG/L	041W060301
6	2	Mercury	0	0.13	0.065	U	UG/L	041W060701
6	2	Mercury	1	0.88	0.88		UG/L	041W061001
Maximum Detected Mercury				0.88				
Average Mercury				0.154				
6	2	Dieldrin	0	0.1	0.05	U	UG/L	041W060301
6	2	Dieldrin	0	0.1	0.05	U	UG/L	041W060701
6	2	Dieldrin	0	0.1	0.05	U	UG/L	041W061001
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0701
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0101
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0201
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0401
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0501
5A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0601
5B	2	Dieldrin	0	0.1	0.05	U	UG/L	041W5B0201
Maximum Detected Dieldrin				0				
Average Dieldrin				0.05				

OU 2 Wetlands
Phase III
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID	SAMPLE DATE
5A	3	Total BHC	0	0.1109	0.05545	U	UG/L	041W5A0501	8/26/1997
5A	3	Total BHC	0	0.2	0.1	U	UG/L	041W5A0401	8/26/1997
5A	3	Total BHC	0	0.2	0.1	U	UG/L	041W5A0601	8/26/1997
64	3	Total BHC	0	0.1101	0.05505	U	UG/L	041W640501	9/4/1997
64	3	Total BHC	1	0.1097	0.1097		UG/L	041W640101	9/4/1997
Maximum Detected Total BHC				0.1097					
Average Total BHC				0.08404					
5A	3	Total Chlordane	0	0.0573	0.02865	U	UG/L	041W5A0601	8/26/1997
5A	3	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0501	8/26/1997
5A	3	Total Chlordane	0	0.1	0.05	U	UG/L	041W5A0401	8/26/1997
64	3	Total Chlordane	0	0.1	0.05	U	UG/L	041W640501	9/4/1997
64	3	Total Chlordane	0	0.1	0.05	U	UG/L	041W640101	9/4/1997
Maximum Detected Total Chlordane				0	0				
Average Total Chlordane				0.04573					
5A	3	Total DDT	0	0.3	0.15	U	UG/L	041W5A0401	8/26/1997
5A	3	Total DDT	0	0.3	0.15	U	UG/L	041W5A0601	8/26/1997
5A	3	Total DDT	0	0.3	0.15	U	UG/L	041W5A0501	8/26/1997
64	3	Total DDT	0	0.3	0.15	U	UG/L	041W640101	9/4/1997
64	3	Total DDT	0	0.3	0.15	U	UG/L	041W640501	9/4/1997
Maximum Detected Total DDT				0	0				
Average Total DDT				0.15					
5A	3	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0601	8/26/1997
5A	3	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0401	8/26/1997
5A	3	Total Endrin	0	0.3	0.15	U	UG/L	041W5A0501	8/26/1997
64	3	Total Endrin	0	0.3	0.15	U	UG/L	041W640501	9/4/1997
64	3	Total Endrin	0	0.3	0.15	U	UG/L	041W640101	9/4/1997
Maximum Detected Total Endrin				0	0				
Average Total Endrin				0.15					
5A	3	Total PCB	0	8	4	U	UG/L	041W5A0601	8/26/1997
5A	3	Total PCB	0	8	4	U	UG/L	041W5A0401	8/26/1997
5A	3	Total PCB	0	8	4	U	UG/L	041W5A0501	8/26/1997
64	3	Total PCB	0	8	4	U	UG/L	041W640101	9/4/1997
64	3	Total PCB	0	8	4	U	UG/L	041W640501	9/4/1997
Maximum Detected Total PCB				0	0				
Average Total PCB				4					
5A	3	Mercury	0	0.05	0.025	U	UG/L	041W5A0401	8/26/1997
5A	3	Mercury	0	0.05	0.025	U	UG/L	041W5A0601	8/26/1997
5A	3	Mercury	0	0.09	0.045	U	UG/L	041W5A0501	8/26/1997
64	3	Mercury	0	0.05	0.025	UJ	UG/L	041W640101	9/4/1997
64	3	Mercury	1	0.06	0.06	J	UG/L	041W640501	9/4/1997
Maximum Detected Mercury				0.06					
Average Mercury				0.036					
64	3	Dieldrin	0	0.1	0.05	U	UG/L	041W640101	9/4/1997
64	3	Dieldrin	0	0.1	0.05	U	UG/L	041W640501	9/4/1997
5A	3	Dieldrin	0	0.0028	0.0014	U	UG/L	041W5A0501	8/26/1997
5A	3	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0401	8/26/1997
5A	3	Dieldrin	0	0.1	0.05	U	UG/L	041W5A0601	8/26/1997
Maximum Detected Dieldrin				0					
Average Dieldrin				0.04028					

OU 2 Wetlands
Phase IV
2004 Food Chain Modeling Suface Water Data

WETLAND	PHASE	Methods	PARAMETER	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID
6	4	DISS METAL	Mercury	0	0.078	0.039	U	UG/L	041W061002
6	4	METAL	Mercury	0	0.078	0.039	U	UG/L	041W061002

OU 10 Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	Detects	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID
10	2	Total BHC	0	0.2	0.1	U	µg/L	033W001002
10	2	Total BHC	0	0.2	0.1	U	µg/L	033W004002
10	2	Total BHC	1	0.1527	0.1527		µg/L	033W003002
10	2	Total BHC	1	0.1543	0.1543		µg/L	033W002002
12	2	Total BHC	0	0.2	0.1	U	µg/L	041W120101
Maximum Detected Total BHC				0.1543				033W002002
Average Total BHC				0.1214				
10	2	Total Chlordane	0	0.1	0.05	U	µg/L	033W002002
10	2	Total Chlordane	1	0.0513	0.0513		µg/L	033W003002
10	2	Total Chlordane	1	0.053	0.053		µg/L	033W004002
10	2	Total Chlordane	1	0.0534	0.0534		µg/L	033W001002
12	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W120101
Maximum Detected Total Chlordane				0.0534				033W001002
Average Total BHC				0.05154				
10	2	Total DDT	1	0.06	0.06		µg/L	033W004002
10	2	Total DDT	1	0.2021	0.2021		µg/L	033W001002
10	2	Total DDT	1	0.214	0.214		µg/L	033W002002
10	2	Total DDT	1	0.202	0.202		µg/L	033W003002
12	2	Total DDT	0	0.3	0.15	U	µg/L	041W120101
Maximum Detected Total DDT				0.214				033W002002
Average Total DDT				0.16562				
10	2	Total Endrin	0	0.3	0.15	U	µg/L	033W003002
10	2	Total Endrin	0	0.3	0.15	U	µg/L	033W002002
10	2	Total Endrin	0	0.3	0.15	U	µg/L	033W001002
10	2	Total Endrin	0	0.3	0.15	U	µg/L	033W004002
12	2	Total Endrin	0	0.3	0.15	U	µg/L	041W120101
Maximum Detected Total Endrin				0				
Average Total Endrin				0.15				
10	2	Dieldrin	0	0.05	0.1	U	µg/L	033W004002
10	2	Dieldrin	0	0.05	0.1	U	µg/L	033W001002
10	2	Dieldrin	0	0.05	0.1	U	µg/L	033W002002
10	2	Dieldrin	0	0.05	0.1	U	µg/L	033W003002
12	2	Dieldrin	0	0.05	0.1	U	µg/L	041W120101
Maximum Detected Dieldrin				0				
Average Dieldrin				0.1				
10	2	Total PCB	0	8	4	U	µg/L	033W003002
10	2	Total PCB	0	8	4	U	µg/L	033W001002
10	2	Total PCB	0	8	4	U	µg/L	033W002002
10	2	Total PCB	0	8	4	U	µg/L	033W004002
12	2	Total PCB	0	8	4	U	µg/L	041W120101
Maximum Detected Total PCBs				0				
Average Total PCBs				4				
10	2	Mercury	0	0.2	0.1	U	µg/L	033W001002
10	2	Mercury	0	0.2	0.1	U	µg/L	033W002002
10	2	Mercury	0	0.2	0.1	U	µg/L	033W003002
10	2	Mercury	0	0.2	0.1	U	µg/L	033W004002
12	2	Mercury	0	0.13	0.065	U	µg/L	041W120101
13	2	Mercury	1	1.3	1.3		µg/L	041W130101
Maximum Detected Mercury				1.3				041W130101
Average Mercury				0.294166667				

UST 18 Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAMETER	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	UNITS	SAMPLE ID	SAMPLE DATE
52	2	Dieldrin	0	0.1	0.05	U	µg/L	041W52A101	1/23/1996
52	2	Dieldrin	0	0.1	0.05	UJ	µg/L	041W52E301	1/23/1996
72	2	Dieldrin	0	0.1	0.05	U	µg/L	041W720101	11/29/1995
W1	2	Dieldrin	0	0.1	0.05	UJ	µg/L	041WW10201	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	µg/L	041WW10301	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	µg/L	041WW10101	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	µg/L	003W000301	8/9/1995
W1	2	Dieldrin	0	0.1	0.05	U	µg/L	003W000201	8/9/1995
W1	2	Dieldrin	0	0.1	0.05	U	µg/L	003W000101	8/9/1995
Maximum Detected Dieldrin				0					
Average Dieldrin				0.05					
52	2	Total BHC	0	0.2	0.1	U	µg/L	041W52E301	1/23/1996
52	2	Total BHC	0	0.2	0.1	U	µg/L	041W52A101	1/23/1996
72	2	Total BHC	0	0.2	0.1	U	µg/L	041W720101	11/29/1995
W1	2	Total BHC	0	0.2	0.1	U	µg/L	003W000201	8/9/1995
W1	2	Total BHC	0	0.2	0.1	U	µg/L	041WW10301	1/22/1996
W1	2	Total BHC	0	0.2	0.1	U	µg/L	041WW10201	1/22/1996
W1	2	Total BHC	0	0.2	0.1	U	µg/L	041WW10101	1/22/1996
W1	2	Total BHC	0	0.65	0.325	U	µg/L	003W000301	8/9/1995
W1	2	Total BHC	1	0.1561	0.1561		µg/L	003W000101	8/9/1995
Maximum Detected Total BHC				0.1561				003W000101	
Average Total BHC				0.131233333					
52	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W52A101	1/23/1996
52	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W52E301	1/23/1996
72	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W720101	11/29/1995
W1	2	Total Chlordane	0	0.1	0.05	U	µg/L	041WW10101	1/22/1996
W1	2	Total Chlordane	0	0.1	0.05	U	µg/L	003W000301	8/9/1995
W1	2	Total Chlordane	0	0.1	0.05	U	µg/L	003W000101	8/9/1995
W1	2	Total Chlordane	0	0.1	0.05	U	µg/L	041WW10301	1/22/1996
W1	2	Total Chlordane	0	0.1	0.05	U	µg/L	003W000201	8/9/1995
W1	2	Total Chlordane	1	0.300	0.3		µg/L	041WW10201	1/22/1996
Maximum Detected Total Chlordane				0.3					
Average Total Chlordane				0.077777778					
52	2	Total DDT	0	0.3	0.15	U	µg/L	041W52E301	1/23/1996
52	2	Total DDT	0	0.3	0.15	U	µg/L	041W52A101	1/23/1996
72	2	Total DDT	0	0.3	0.15	U	µg/L	041W720101	11/29/1995
W1	2	Total DDT	0	0.3	0.15	U	µg/L	041WW10301	1/22/1996
W1	2	Total DDT	0	0.3	0.15	U	µg/L	041WW10201	1/22/1996
W1	2	Total DDT	0	0.3	0.15	U	µg/L	003W000101	8/9/1995
W1	2	Total DDT	0	0.3	0.15	U	µg/L	003W000201	8/9/1995
W1	2	Total DDT	0	0.3	0.15	U	µg/L	041WW10101	1/22/1996
W1	2	Total DDT	0	0.3	0.15	U	µg/L	003W000301	8/9/1995
Maximum Detected Total DDT				0					
Average Total DDT				0.15					
52	2	Total Endrin	0	0.3	0.15	U	µg/L	041W52A101	1/23/1996
52	2	Total Endrin	0	0.3	0.15	U	µg/L	041W52E301	1/23/1996
72	2	Total Endrin	0	0.3	0.15	U	µg/L	041W720101	11/29/1995
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	041WW10101	1/22/1996
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	003W000201	8/9/1995
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	003W000301	8/9/1995
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	041WW10301	1/22/1996
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	041WW10201	1/22/1996
W1	2	Total Endrin	0	0.3	0.15	U	µg/L	003W000101	8/9/1995
Maximum Detected Total Endrin				0					
Average Total Endrin				0.15					
52	2	Total PCB	0	8	4	U	µg/L	041W52A101	1/23/1996
52	2	Total PCB	0	8	4	U	µg/L	041W52E301	1/23/1996
72	2	Total PCB	0	8	4	U	µg/L	041W720101	11/29/1995
W1	2	Total PCB	0	8	4	U	µg/L	003W000301	8/9/1995
W1	2	Total PCB	0	8	4	U	µg/L	041WW10201	1/22/1996
W1	2	Total PCB	0	8	4	U	µg/L	003W000201	8/9/1995
W1	2	Total PCB	0	8	4	U	µg/L	041WW10101	1/22/1996
W1	2	Total PCB	0	8	4	U	µg/L	041WW10301	1/22/1996
W1	2	Total PCB	0	8	4	U	µg/L	003W000101	8/9/1995
Maximum Detected Total PCBs				0					
Average PCBs				4					
52	2	Mercury	0	0.13	0.065	U	µg/L	041W52A101	1/23/1996
52	2	Mercury	0	0.13	0.065	U	µg/L	041W52E301	1/23/1996
72	2	Mercury	0	0.13	0.065	U	µg/L	041W720101	11/29/1995
W1	2	Mercury	0	0.13	0.065	U	µg/L	041WW10101	1/22/1996
W1	2	Mercury	0	0.13	0.065	U	µg/L	041WW10201	1/22/1996
W1	2	Mercury	0	0.13	0.065	U	µg/L	041WW10301	1/22/1996
W1	2	Mercury	0	0.2	0.1	U	µg/L	003W000101	8/9/1995
W1	2	Mercury	0	0.2	0.1	U	µg/L	003W000201	8/9/1995
W1	2	Mercury	0	0.2	0.1	U	µg/L	003W000301	8/9/1995
Maximum Detected Mercury				0					
Average Mercury				0.076666667					
72	4	Mercury	0	0.078	0.039	U	µg/L	041W720102	4/8/2004
72	4	Mercury	0	0.078	0.039	U	µg/L	041W720102	4/8/2004
52	2	Dieldrin	0	0.1	0.05	U	UG/L	041W52A101	1/23/1996
52	2	Dieldrin	0	0.1	0.05	UJ	UG/L	041W52E301	1/23/1996
72	2	Dieldrin	0	0.1	0.05	U	UG/L	041W720101	11/29/1995
W1	2	Dieldrin	0	0.1	0.05	UJ	UG/L	041WW10201	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	UG/L	041WW10301	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	UG/L	041WW10101	1/22/1996
W1	2	Dieldrin	0	0.1	0.05	U	UG/L	003W000301	8/9/1995
W1	2	Dieldrin	0	0.1	0.05	U	UG/L	003W000201	8/9/1995
W1	2	Dieldrin	0	0.1	0.05	U	UG/L	003W000101	8/9/1995
Maximum Detected Dieldrin									
Average Dieldrin									

Remaining Wetlands
Phase II
Food Chain Modeling Surface Water Data

WETLAND	PHASE	PARAM	DETECTS	RESULT	RESULT 1/2SQL	VQUAL	Units	SAMPLE ID
48	2	Total BHC	0	0.2	0.1	U	µg/L	041W480101
56	2	Total BHC	0	0.2	0.1	U	µg/L	041W56A101
57	2	Total BHC	0	0.2	0.1	U	µg/L	041W570101
58	2	Total BHC	0	0.2	0.1	U	µg/L	041W580101
19A	2	Total BHC	0	0.2	0.1	U	µg/L	041W190101
19B	2	Total BHC	0	0.2	0.1	U	µg/L	041W190301
49	2	Total BHC	0	0.2	0.1	U	µg/L	041W490301
49	2	Total BHC	0	0.2	0.1	U	µg/L	041W490101
W2	2	Total BHC	0	0.2	0.1	U	µg/L	041WW20201
Maximum Total BHC				0				
Average Total BHC				0.1				
48	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W480101
56	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W56A101
57	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W570101
58	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W580101
19A	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W190101
19B	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W190301
49	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W490101
49	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W490301
W2	2	Total Chlordane	0	0.1	0.05	U	µg/L	041WW20201
Maximum Total Chlordane				0				
Average Total Chlordane				0.05				
48	2	Total DDT	0	0.3	0.15	U	µg/L	041W480101
56	2	Total DDT	0	0.3	0.15	U	µg/L	041W56A101
57	2	Total DDT	0	0.3	0.15	U	µg/L	041W570101
58	2	Total DDT	0	0.3	0.15	U	µg/L	041W580101
19A	2	Total DDT	0	0.3	0.15	U	µg/L	041W190101
19B	2	Total DDT	0	0.3	0.15	U	µg/L	041W190301
49	2	Total DDT	0	0.3	0.15	U	µg/L	041W490101
49	2	Total DDT	0	0.3	0.15	U	µg/L	041W490301
W2	2	Total DDT	0	0.3	0.15	U	µg/L	041WW20201
Maximum Detected Total DDT				0				
Average DDT				0.15				
48	2	Total Endrin	0	0.3	0.15	U	µg/L	041W480101
49	2	Total Endrin	0	0.3	0.15	U	µg/L	041W490101
49	2	Total Endrin	0	0.3	0.15	U	µg/L	041W490301
56	2	Total Endrin	0	0.3	0.15	U	µg/L	041W56A101
57	2	Total Endrin	0	0.3	0.15	U	µg/L	041W570101
58	2	Total Endrin	0	0.3	0.15	U	µg/L	041W580101
19A	2	Total Endrin	0	0.3	0.15	U	µg/L	041W190101
19B	2	Total Endrin	0	0.3	0.15	U	µg/L	041W190301
W2	2	Total Endrin	0	0.3	0.15	U	µg/L	041WW20201
Maximum Detected Total Endrin				0				
Average Total Endrin				0.15				
48	2	Dieldrin	0	0.1	0.05	U	µg/L	041W480101
49	2	Dieldrin	0	0.1	0.05	U	µg/L	041W490101
49	2	Dieldrin	0	0.1	0.05	U	µg/L	041W490301
56	2	Dieldrin	0	0.1	0.05	UJ	µg/L	041W56A101
57	2	Dieldrin	0	0.1	0.05	U	µg/L	041W570101
58	2	Dieldrin	0	0.1	0.05	U	µg/L	041W580101
19A	2	Dieldrin	0	0.1	0.05	U	µg/L	041W190101
19B	2	Dieldrin	0	0.1	0.05	U	µg/L	041W190301
W2	2	Dieldrin	0	0.1	0.05	UJ	µg/L	041WW20201
Maximum Detected Dieldrin				0				
Average Dieldrin				0.05				
48	2	Total PCB	0	8	4	U	µg/L	041W480101
49	2	Total PCB	0	8	4	U	µg/L	041W490301
49	2	Total PCB	0	8	4	U	µg/L	041W490101
56	2	Total PCB	0	8	4	U	µg/L	041W56A101
57	2	Total PCB	0	8	4	U	µg/L	041W570101
58	2	Total PCB	0	8	4	U	µg/L	041W580101
19A	2	Total PCB	0	8	4	U	µg/L	041W190101
19B	2	Total PCB	0	8	4	U	µg/L	041W190301
W2	2	Total PCB	0	8	4	U	µg/L	041WW20201
Maximum detected PCBs				0				
Average PCBs				4				
48	2	Mercury	0	0.13	0.065	U	µg/L	041W480101
49	2	Mercury	0	0.13	0.065	U	µg/L	041W490301
49	2	Mercury	0	0.13	0.065	U	µg/L	041W490101
56	2	Mercury	0	0.13	0.065	U	µg/L	041W56A101
57	2	Mercury	0	0.13	0.065	U	µg/L	041W570101
58	2	Mercury	0	0.13	0.065	U	µg/L	041W580101
19A	2	Mercury	1	0.59	0.59		µg/L	041W190101
19B	2	Mercury	0	0.13	0.065	U	µg/L	041W190301
W2	2	Mercury	0	0.13	0.065	U	µg/L	041WW20201
Maximum detected PCBs				0.59				
Average PCBs				0.12				
19A	4	Mercury	0	0.078	0.039	U	µg/L	041W19A102
19A	4	Mercury	0	0.078	0.039	U	µg/L	041W19A102

Chevalier Fields Wetlands
Phase II
Food Chain Model Surface Water Data

WETLAND	PHASE	PARAMETER	Detects	RESULT	RESULTS 1/2SQL	VQUAL	UNITS	SAMPLE ID
63A	2	Total BHC	0	0.2	0.1	U	µg/L	041W63A201
63B	2	Total BHC	0	0.2	0.1	U	µg/L	041W63B401
63B	2	Total BHC	0	0.2	0.1	U	µg/L	041W63B201
Maximum Detected Total BHC				0				
Average Total BHC				0.1				
63A	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W63A201
63B	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W63B201
63B	2	Total Chlordane	0	0.1	0.05	U	µg/L	041W63B401
Maximum Detected Total Chlordane				0				
Average Total Chlordane				0.05				
63A	2	Total DDT	0	0.3	0.15	U	µg/L	041W63A201
63B	2	Total DDT	0	0.3	0.15	U	µg/L	041W63B401
63B	2	Total DDT	0	0.3	0.15	U	µg/L	041W63B201
Maximum Detected Total DDT				0				
Average DDT				0.15				
63A	2	Total Endrin	0	0.3	0.15	U	µg/L	041W63A201
63B	2	Total Endrin	0	0.3	0.15	U	µg/L	041W63B201
63B	2	Total Endrin	0	0.3	0.15	U	µg/L	041W63B401
Maximum Detected Total Endrin				0				
Average Total Endrin				0.15				
63A	2	Dieldrin	0	0.1	0.05	U	µg/L	041W63A201
63B	2	Dieldrin	0	0.1	0.05	U	µg/L	041W63B401
63B	2	Dieldrin	0	0.1	0.05	U	µg/L	041W63B201
Maximum Detected Dieldrin				0				
Average Dieldrin				0.05				
63A	2	Total PCB	0	8	4	U	µg/L	041W63A201
63B	2	Total PCB	0	8	4	U	µg/L	041W63B401
63B	2	Total PCB	0	8	4	U	µg/L	041W63B201
Maximum Detected Total PCBs				0				
Average Total PCBs				4				
63A	2	Mercury	0	0.13	0.065	U	µg/L	041W63A201
63B	2	Mercury	0	0.13	0.065	U	µg/L	041W63B201
63B	2	Mercury	0	0.13	0.065	U	µg/L	041W63B401
Maximum Detected Mercury				0				
Average Mercury				0.065				
63A	2	Dieldrin	0	0.1	0.05	U	UG/L	041W63A201
63B	2	Dieldrin	0	0.1	0.05	U	UG/L	041W63B401
63B	2	Dieldrin	0	0.1	0.05	U	UG/L	041W63B201
Maximum Detected Dieldrin				0				
Average Dieldrin				0.05				
63A	4	Mercury	0	0.078	0.039	U	µg/L	041W63A202
63A	4	Mercury	0	0.078	0.039	U	µg/L	041W63A202

Fish Tissue Data

Wetland 18B
Operable Unit 1
Food Chain Model Fish Tissue Data

PARAMETER	RESULT	1/2 U VALUE	CONC UNITS	VQUAL	SAMPLE ID
4,4'-DDD	68	68	UG/KG		041J18B101
4,4'-DDE	61	61	UG/KG		041J18B101
4,4'-DDT	7.7	3.85	UG/KG	U	041J18B101
Total DDT	132.85		UG/KG		041J18B101
Dieldrin	33	16.5	UG/KG	U	041J18B101
alpha-BHC	17	8.5	UG/KG	U	041J18B101
beta-BHC	17	8.5	UG/KG	U	041J18B101
delta-BHC	17	8.5	UG/KG	U	041J18B101
gamma-BHC (Lindane)	17	8.5	UG/KG	U	041J18B101
Total BHC	34		UG/KG	U	041J18B101
alpha-Chlordane	1.4	1.4	UG/KG	J	041J18B101
gamma-Chlordane	17	8.5	UG/KG	U	041J18B101
Total Chlordane	9.9		UG/KG		041J18B101
Endrin	33	16.5	UG/KG	U	041J18B101
Endrin aldehyde	33	16.5	UG/KG	U	041J18B101
Endrin ketone	33	16.5	UG/KG	U	041J18B101
Total Endrin	49.5		UG/KG	U	041J18B101
Aroclor-1016	330	165	UG/KG	U	041J18B101
Aroclor-1221	670	335	UG/KG	U	041J18B101
Aroclor-1232	330	165	UG/KG	U	041J18B101
Aroclor-1242	330	165	UG/KG	U	041J18B101
Aroclor-1248	330	165	UG/KG	U	041J18B101
Aroclor-1254	330	165	UG/KG	U	041J18B101
Aroclor-1260	87	87	UG/KG	J	041J18B101
Total PCBs	1247		UG/KG	J	041J18B101

Wetland 64
Operable Unit 2
Food Chain Model Fish Tissue Data

PARAMETER	RESULT	1/2 U VALUE	CONC UNITS	VQUAL	SAMPLE ID
4,4'-DDD	4.9	4.9	UG/KG		041J640101
4,4'-DDE	9.6	9.6	UG/KG		041J640101
4,4'-DDT	2.8	2.8	UG/KG	J	041J640101
Total DDT	17.3		UG/KG	J	041J640101
4,4'-DDD	9.9	4.95	UG/KG	U	041J640202
4,4'-DDE	6.7	6.7	UG/KG	J	041J640202
4,4'-DDT	8.3	8.3	UG/KG	J	041J640202
Total DDT	19.95		UG/KG	J	041J640202
4,4'-DDD	19	19	UG/KG	J	041J640301
4,4'-DDE	25	25	UG/KG		041J640301
4,4'-DDT	28	28	UG/KG	J	041J640301
Total DDT	72		UG/KG	J	041J640301
4,4'-DDD	9.9	4.95	UG/KG	U	041J640302
4,4'-DDE	6.3	3.15	UG/KG	U	041J640302
4,4'-DDT	9.6	9.6	UG/KG	J	041J640302
Total DDT	17.7		UG/KG	J	041J640302
4,4'-DDD	10	10	UG/KG	J	041J64030K
4,4'-DDE	14	14	UG/KG	J	041J64030K
4,4'-DDT	26	26	UG/KG	J	041J64030K
Total DDT	50		UG/KG	J	041J64030K
4,4'-DDD	9.9	4.95	UG/KG	U	041J640501
4,4'-DDE	9.9	4.95	UG/KG	U	041J640501
4,4'-DDT	9.9	4.95	UG/KG	U	041J640501
Total DDT	14.85		UG/KG	U	041J640501
4,4'-DDD	4.8	4.8	UG/KG	J	041J640601
4,4'-DDE	13	13	UG/KG		041J640601
4,4'-DDT	8.1	8.1	UG/KG		041J640601
Total DDT	25.9		UG/KG		041J640601
4,4'-DDD	13	13	UG/KG	J	041J640602
4,4'-DDE	22	22	UG/KG		041J640602
4,4'-DDT	23	23	UG/KG	J	041J640602
Total DDT	58		UG/KG	J	041J640602
4,4'-DDD	8.2	4.1	UG/KG	U	041J640701
4,4'-DDE	7.7	7.7	UG/KG	J	041J640701
4,4'-DDT	16	16	UG/KG	J	041J640701
Total DDT	27.8		UG/KG	J	041J640701
4,4'-DDD	16	8	UG/KG	U	041J642401
4,4'-DDE	16	8	UG/KG	U	041J642401
4,4'-DDT	16	8	UG/KG	U	041J642401
Total DDT	24		UG/KG	U	041J642401
Maximum Detected Total DDT	72		UG/KG		
Average Total DDT	32.75		UG/KG		
alpha-BHC	1.7	0.85	UG/KG	U	041J640101
beta-BHC	1.7	0.85	UG/KG	U	041J640101
delta-BHC	1.7	0.85	UG/KG	U	041J640101
gamma-BHC (Lindane)	0.44	0.44	UG/KG	J	041J640101
Total BHC	2.99		UG/KG	J	041J640101
alpha-BHC	5.1	2.55	UG/KG	U	041J640202
beta-BHC	5.1	2.55	UG/KG	U	041J640202
delta-BHC	5.1	2.55	UG/KG	U	041J640202
gamma-BHC (Lindane)	5.1	2.55	UG/KG	U	041J640202
Total BHC	10.2		UG/KG	U	041J640202
alpha-BHC	5.1	2.55	UG/KG	U	041J640301
beta-BHC	5.1	2.55	UG/KG	U	041J640301
delta-BHC	5.1	2.55	UG/KG	U	041J640301
gamma-BHC (Lindane)	5.1	2.55	UG/KG	U	041J640301
Total BHC	10.2		UG/KG	U	041J640301
alpha-BHC	5.1	2.55	UG/KG	U	041J640302
beta-BHC	5.1	2.55	UG/KG	U	041J640302
delta-BHC	5.1	2.55	UG/KG	U	041J640302
gamma-BHC (Lindane)	5.1	2.55	UG/KG	U	041J640302
Total BHC	10.2		UG/KG	U	041J640302
alpha-BHC	5.1	2.55	UG/KG	UJ	041J64030K
beta-BHC	5.1	2.55	UG/KG	UJ	041J64030K
delta-BHC	5.1	2.55	UG/KG	UJ	041J64030K
gamma-BHC (Lindane)	5.1	2.55	UG/KG	UJ	041J64030K
Total BHC	10.2		UG/KG	UJ	041J64030K
alpha-BHC	5.1	2.55	UG/KG	U	041J640501
beta-BHC	5.1	2.55	UG/KG	U	041J640501
delta-BHC	5.1	2.55	UG/KG	U	041J640501
gamma-BHC (Lindane)	5.1	2.55	UG/KG	U	041J640501
Total BHC	10.2		UG/KG	U	041J640501
alpha-BHC	3.4	1.7	UG/KG	U	041J640601
beta-BHC	3.4	1.7	UG/KG	U	041J640601
delta-BHC	3.4	1.7	UG/KG	U	041J640601
gamma-BHC (Lindane)	0.61	0.61	UG/KG	J	041J640601
Total BHC	5.71		UG/KG	J	041J640601
alpha-BHC	5.1	2.55	UG/KG	U	041J640602
beta-BHC	5.1	2.55	UG/KG	U	041J640602
delta-BHC	5.1	2.55	UG/KG	U	041J640602
gamma-BHC (Lindane)	5.1	2.55	UG/KG	U	041J640602
Total BHC	10.2		UG/KG	U	041J640602
alpha-BHC	4.2	2.1	UG/KG	U	041J640701
beta-BHC	4.2	2.1	UG/KG	U	041J640701
delta-BHC	4.2	2.1	UG/KG	U	041J640701
gamma-BHC (Lindane)	1.6	1.6	UG/KG	J	041J640701
Total BHC	7.9		UG/KG	J	041J640701
alpha-BHC	8.5	4.25	UG/KG	U	041J642401

Wetland 64
Operable Unit 2
Food Chain Model Fish Tissue Data

PARAMETER	RESULT	1/2 U VALUE	CONC UNITS	VQUAL	SAMPLE ID
beta-BHC	8.5	4.25	UG/KG	U	041J642401
delta-BHC	8.5	4.25	UG/KG	U	041J642401
gamma-BHC (Lindane)	0.9	0.9	UG/KG	J	041J642401
Total BHC	13.65		UG/KG	J	041J642401
Maximum Detected Total BHC	13.65				
Average Total BHC	9.145				
alpha-Chlordane	0.39	0.195	UG/KG	U	041J640101
gamma-Chlordane	0.67	0.335	UG/KG	U	041J640101
Total Chlordane	0.53		UG/KG	U	041J640101
alpha-Chlordane	5.1	2.55	UG/KG	U	041J640202
gamma-Chlordane	0.93	0.465	UG/KG	U	041J640202
Total Chlordane	3.015		UG/KG	U	041J640202
alpha-Chlordane	5.1	2.55	UG/KG	U	041J640301
gamma-Chlordane	4.4	4.4	UG/KG	J	041J640301
Total Chlordane	6.95		UG/KG	J	041J640301
alpha-Chlordane	5.1	2.55	UG/KG	U	041J640302
gamma-Chlordane	1.6	0.8	UG/KG	U	041J640302
Total Chlordane	3.35		UG/KG	U	041J640302
alpha-Chlordane	5.1	2.55	UG/KG	UJ	041J64030K
gamma-Chlordane	5	5	UG/KG	J	041J64030K
Total Chlordane	7.55		UG/KG	J	041J64030K
alpha-Chlordane	5.1	2.55	UG/KG	U	041J640501
gamma-Chlordane	0.81	0.405	UG/KG	U	041J640501
Total Chlordane	2.955		UG/KG	U	041J640501
alpha-Chlordane	1.2	1.2	UG/KG	J	041J640601
gamma-Chlordane	1.9	1.9	UG/KG	J	041J640601
Total Chlordane	3.1		UG/KG	J	041J640601
alpha-Chlordane	5.1	2.55	UG/KG	U	041J640602
gamma-Chlordane	4	4	UG/KG	J	041J640602
Total Chlordane	6.55		UG/KG	J	041J640602
alpha-Chlordane	4.2	2.1	UG/KG	U	041J640701
gamma-Chlordane	4.2	2.1	UG/KG	U	041J640701
Total Chlordane	4.2		UG/KG	U	041J640701
alpha-Chlordane	8.5	4.25	UG/KG	U	041J642401
gamma-Chlordane	8.5	4.25	UG/KG	U	041J642401
Total Chlordane	8.5		UG/KG	U	041J642401
Maximum Detected Total Chlordane	7.55		UG/KG		
Average Total Chlordane	4.67		UG/KG		
Endrin	3.3	1.65	UG/KG	U	041J640101
Endrin aldehyde	3.3	1.65	UG/KG	U	041J640101
Endrin ketone	3.3	1.65	UG/KG	U	041J640101
Total Endrin	4.95		UG/KG	U	041J640101
Endrin	9.9	4.95	UG/KG	U	041J640202
Endrin aldehyde	9.9	4.95	UG/KG	U	041J640202
Endrin ketone	9.9	4.95	UG/KG	U	041J640202
Total Endrin	14.85		UG/KG	U	041J640202
Endrin	9.9	4.95	UG/KG	U	041J640301
Endrin aldehyde	9.9	4.95	UG/KG	U	041J640301
Endrin ketone	9.9	4.95	UG/KG	U	041J640301
Total Endrin	14.85		UG/KG	U	041J640301
Endrin	9.9	4.95	UG/KG	U	041J640302
Endrin aldehyde	9.9	4.95	UG/KG	U	041J640302
Endrin ketone	9.9	4.95	UG/KG	U	041J640302
Total Endrin	14.85		UG/KG	U	041J640302
Endrin	9.9	4.95	UG/KG	UJ	041J64030K
Endrin aldehyde	9.9	4.95	UG/KG	UJ	041J64030K
Endrin ketone	9.9	4.95	UG/KG	UJ	041J64030K
Total Endrin	14.85		UG/KG	UJ	041J64030K
Endrin	9.9	4.95	UG/KG	U	041J640501
Endrin aldehyde	9.9	4.95	UG/KG	U	041J640501
Endrin ketone	9.9	4.95	UG/KG	U	041J640501
Total Endrin	14.85		UG/KG	U	041J640501
Endrin	6.6	3.3	UG/KG	U	041J640601
Endrin aldehyde	6.6	3.3	UG/KG	U	041J640601
Endrin ketone	6.6	3.3	UG/KG	U	041J640601
Total Endrin	9.9		UG/KG	U	041J640601
Endrin	9.9	4.95	UG/KG	U	041J640602
Endrin aldehyde	9.9	4.95	UG/KG	U	041J640602
Endrin ketone	9.9	4.95	UG/KG	U	041J640602
Total Endrin	14.85		UG/KG	U	041J640602
Endrin	8.2	4.1	UG/KG	U	041J640701
Endrin aldehyde	8.2	4.1	UG/KG	U	041J640701
Endrin ketone	8.2	4.1	UG/KG	U	041J640701
Total Endrin	12.3		UG/KG	U	041J640701
Endrin	16	8	UG/KG	U	041J642401
Endrin aldehyde	16	8	UG/KG	U	041J642401
Endrin ketone	16	8	UG/KG	U	041J642401
Total Endrin	24		UG/KG	U	041J642401
Maximum Detected Total Endrin	0				
Average Total Endrin	14.03				

Wetland 64
Operable Unit 2
Food Chain Model Fish Tissue Data

PARAMETER	RESULT	1/2 U VALUE	CONC UNITS	VQUAL	SAMPLE ID
Aroclor-1016	334	334	UG/KG		041J640101
Aroclor-1221	67	33.5	UG/KG	U	041J640101
Aroclor-1232	33	16.5	UG/KG	U	041J640101
Aroclor-1242	33	16.5	UG/KG	U	041J640101
Aroclor-1248	33	16.5	UG/KG	U	041J640101
Aroclor-1254	33	16.5	UG/KG	U	041J640101
Aroclor-1260	26	26	UG/KG	J	041J640101
Total PCBs	459.5		UG/KG	J	041J640101
Aroclor-1016	99	49.5	UG/KG	U	041J640202
Aroclor-1221	200	100	UG/KG	U	041J640202
Aroclor-1232	99	49.5	UG/KG	U	041J640202
Aroclor-1242	99	49.5	UG/KG	U	041J640202
Aroclor-1248	99	49.5	UG/KG	U	041J640202
Aroclor-1254	99	49.5	UG/KG	U	041J640202
Aroclor-1260	99	49.5	UG/KG	U	041J640202
Total PCBs	397		UG/KG	U	041J640202
Aroclor-1016	99	49.5	UG/KG	U	041J640301
Aroclor-1221	200	100	UG/KG	U	041J640301
Aroclor-1232	99	49.5	UG/KG	U	041J640301
Aroclor-1242	99	49.5	UG/KG	U	041J640301
Aroclor-1248	99	49.5	UG/KG	U	041J640301
Aroclor-1254	99	49.5	UG/KG	U	041J640301
Aroclor-1260	210	210	UG/KG		041J640301
Total PCBs	557.5		UG/KG		041J640301
Aroclor-1016	99	49.5	UG/KG	U	041J640302
Aroclor-1221	200	100	UG/KG	U	041J640302
Aroclor-1232	99	49.5	UG/KG	U	041J640302
Aroclor-1242	99	49.5	UG/KG	U	041J640302
Aroclor-1248	99	49.5	UG/KG	U	041J640302
Aroclor-1254	99	49.5	UG/KG	U	041J640302
Aroclor-1260	99	49.5	UG/KG	U	041J640302
Total PCBs	397		UG/KG	U	041J640302
Aroclor-1016	99	49.5	UG/KG	UJ	041J64030K
Aroclor-1221	200	100	UG/KG	UJ	041J64030K
Aroclor-1232	99	49.5	UG/KG	UJ	041J64030K
Aroclor-1242	99	49.5	UG/KG	UJ	041J64030K
Aroclor-1248	99	49.5	UG/KG	UJ	041J64030K
Aroclor-1254	99	49.5	UG/KG	UJ	041J64030K
Aroclor-1260	220	220	UG/KG	J	041J64030K
Total PCBs	567.5		UG/KG	J	041J64030K
Aroclor-1016	99	49.5	UG/KG	U	041J640501
Aroclor-1221	200	100	UG/KG	U	041J640501
Aroclor-1232	99	49.5	UG/KG	U	041J640501
Aroclor-1242	99	49.5	UG/KG	U	041J640501
Aroclor-1248	99	49.5	UG/KG	U	041J640501
Aroclor-1254	99	49.5	UG/KG	U	041J640501
Aroclor-1260	99	49.5	UG/KG	U	041J640501
Total PCBs	397		UG/KG	U	041J640501
Aroclor-1016	66	33	UG/KG	U	041J640601
Aroclor-1221	130	65	UG/KG	U	041J640601
Aroclor-1232	66	33	UG/KG	U	041J640601
Aroclor-1242	66	33	UG/KG	U	041J640601
Aroclor-1248	66	33	UG/KG	U	041J640601
Aroclor-1254	66	33	UG/KG	U	041J640601
Aroclor-1260	41	41	UG/KG	J	041J640601
Total PCBs	271		UG/KG	J	041J640601
Aroclor-1016	99	49.5	UG/KG	U	041J640602
Aroclor-1221	200	100	UG/KG	U	041J640602
Aroclor-1232	99	49.5	UG/KG	U	041J640602
Aroclor-1242	99	49.5	UG/KG	U	041J640602
Aroclor-1248	99	49.5	UG/KG	U	041J640602
Aroclor-1254	99	49.5	UG/KG	U	041J640602
Aroclor-1260	120	120	UG/KG	J	041J640602
Total PCBs	467.5		UG/KG	J	041J640602
Aroclor-1016	82	41	UG/KG	U	041J640701
Aroclor-1221	170	85	UG/KG	U	041J640701
Aroclor-1232	82	41	UG/KG	U	041J640701
Aroclor-1242	82	41	UG/KG	U	041J640701
Aroclor-1248	82	41	UG/KG	U	041J640701
Aroclor-1254	82	41	UG/KG	U	041J640701
Aroclor-1260	120	120	UG/KG		041J640701
Total PCBs	410		UG/KG		041J640701
Aroclor-1016	160	80	UG/KG	U	041J642401
Aroclor-1221	340	170	UG/KG	U	041J642401
Aroclor-1232	160	80	UG/KG	U	041J642401
Aroclor-1242	160	80	UG/KG	U	041J642401
Aroclor-1248	160	80	UG/KG	U	041J642401
Aroclor-1254	160	80	UG/KG	U	041J642401
Aroclor-1260	160	80	UG/KG	U	041J642401
Total PCBs	650		UG/KG	U	041J642401
Maximum Detected Total PCBs	567.5		UG/KG		
Average Total PCBs	457.4		UG/KG		

Wetland 64
Operable Unit 2
Food Chain Model Fish Tissue Data

PARAMETER	RESULT	1/2 U VALUE	CONC UNITS	VQUAL	SAMPLE ID
Dieldrin	0.66	0.66	UG/KG	J	041J640101
Dieldrin	9.9	4.95	UG/KG	U	041J640202
Dieldrin	9.9	4.95	UG/KG	U	041J640301
Dieldrin	9.9	4.95	UG/KG	U	041J640302
Dieldrin	9.9	4.95	UG/KG	UJ	041J64030K
Dieldrin	9.9	4.95	UG/KG	U	041J640501
Dieldrin	0.8	0.4	UG/KG	U	041J640601
Dieldrin	9.9	4.95	UG/KG	U	041J640602
Dieldrin	8.2	4.1	UG/KG	U	041J640701
Dieldrin	16	8	UG/KG	U	041J642401
Maximum Detected Dieldrin	0.66		UG/KG		
Average Dieldrin	8.51		UG/KG		
Mercury	0.018	0.009	MG/KG	U	041J640202
Mercury	0.024	0.012	MG/KG	U	041J640301
Mercury	0.024	0.012	MG/KG	U	041J640302
Mercury	0.028	0.028	MG/KG	J	041J64030K
Mercury	0.022	0.011	MG/KG	U	041J640501
Mercury	0.045	0.045	MG/KG	J	041J640602
Mercury	0.078	0.078	MG/KG	J	041J640701
Mercury	0.096	0.096	MG/KG		041J642401
Maximum Detected Mercury	0.10		MG/KG		
Average Mercury	0.04		MG/KG		

Appendix N
Human Health Toxicity

1.0 Aldrin – CAS Number 309002

Aldrin's former use as a pesticide resulted in its direct release to the environment. It is a colorless to dark brown crystalline solid (needles). If released to air, aldrin will exist solely in the vapor-phase in the ambient atmosphere. Vapor-phase aldrin will be degraded in the atmosphere. If released to soil, aldrin is expected to have moderate to no mobility. Volatilization from moist soil surfaces is expected to be an important fate process. However, adsorption to soil is expected to attenuate volatilization. Aldrin is converted to dieldrin in aerobic and biologically-active soils. If released into water, aldrin is expected to adsorb to suspended solids and sediment.

Aldrin was imported from Shell International (Holland) for formulation and limited use in the United States from 1974 to 1985, except when imports were temporarily ceased in 1979 and 1980. Between 1981 and 1985, an estimated 1-1.5 million pounds of aldrin were imported annually. EPA reports that aldrin has not been imported into the United States since 1985. The general population may be exposed to aldrin from former uses via ingestion of food and drinking water containing this compound based on its past uses and releases to the environment. Inhalation of contaminated air may be a significant route of exposure for persons living in aldrin-treated homes. Cessation of aldrin production and use is expected to eventually eliminate human exposure to the insecticide in the USA but will result in dieldrin exposure. Occupational exposure to aldrin may have occurred through inhalation and dermal contact with this compound at workplaces where aldrin was produced or used.

Human exposure could occur through ingestion, inhalation, and skin absorption. Rats were fed aldrin in their diet for 2 years, and liver lesions characteristic of chlorinated insecticide poisoning were observed. These lesions were characterized by enlarged centrilobular hepatic cells, with increased cytoplasmic oxyphilia, and peripheral migration of basophilic granules. A statistically significant increase in liver-to-body weight ratio was observed at all dose levels. Kidney lesions occurred at the highest dose levels.

Aldrin has been shown to cause increased incidence of liver tumors in rats. A statistically significant increase of hepatomas was reported in the treated animals as compared with controls. Human carcinogenicity data are inadequate. This compound is classified as B2 carcinogen by EPA's weight-of-evidence classification.

The following is a presentation of the toxicity information associated with **Aldrin**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 3.00E-05 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 1000.
- The Oral Chronic Reference Dose is based on the Fitzhugh study from 1964.
- The Oral Chronic Reference Dose study critical effect is liver toxicity.
- The overall confidence in the Oral Chronic Reference Dose is medium.

Carcinogenic Health Effects

- The Oral Unit Risk is 4.90E-04 $(mg/L)^{-1}$.
- The Oral Slope Factor is 1.70E+01 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is the liver.

- The Oral Slope Factor study cancer type is liver carcinoma.
- The Oral Slope Factor is based on the Davis study from 1978.

2.0 alpha-HCH – CAS Number 319846

alpha-Hexachlorocyclohexane is referred to as alpha-HCH or alpha BHC and is produced in the manufacture of the broad spectrum insecticide lindane, along with a number of different HCH isomers. alpha-HCH is a solid pesticide that varies in color from brownish to white. It is slightly soluble in water and is soluble in alcohol. alpha-HCH's production and use as a component of the pesticide lindane may have resulted in its direct release to the environment through various waste streams. Lindane was banned in the U.S. and Europe. alpha-HCH can volatilize from moist soil surfaces; however, volatilization from dry soil is not expected to be a significant transport mechanism. Volatilization and dry deposition is an important transport mechanism for alpha-HCH, which has been identified in air, tap water, soil, food, human blood, and human milk and has been shown to bioconcentrate in aquatic organisms. Occupational exposure to alpha-HCH may occur through inhalation and dermal contact at workplaces where technical HCH is produced. The general population may be exposed to alpha-HCH from consumption of contaminated food.

No data are available on the systemic (non-carcinogenic) effects of alpha-HCH in humans. Dietary alpha-HCH has been shown to cause increased incidence of liver tumors in rats and mice. Liver nodules and hepatomas were observed. Long-term oral administration of α-HCH, β-HCH, γ- HCH, or technical-grade HCH to laboratory rodents produced liver cancer. The Department of Health and Human Services (DHHS) has determined that HCH (all isomers) may reasonably be anticipated to cause cancer in humans. The International Agency for Research on Cancer (IARC) has classified HCH (all isomers) as possibly carcinogenic to humans. The EPA has determined that there is suggestive evidence that lindane (γ-HCH) is carcinogenic, but the evidence is not sufficient to assess its human carcinogenic potential. The EPA has additionally classified technical HCH and α- HCH as probable human carcinogens, β-HCH as a possible human carcinogen, and δ and ε-HCH as not classifiable as to human carcinogenicity. This compound is classified as B2 carcinogen by EPA's weight-of-evidence classification.

The following is a presentation of the toxicity information associated with **alpha-HCH**:

Carcinogenic Health Effects

- The Oral Unit Risk is 1.80E-01 $(mg/L)^{-1}$.
- The Oral Slope Factor is 6.30E+00 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is liver cancer.
- The Oral Slope Factor is based on the U.S. EPA study from 1973.
- The Dermal Slope Factor is 1.26E+01 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.5.

3.0 delta-HCH – CAS Number 319868

delta-Hexachlorocyclohexane is referred to as delta-HCH or delta-BHC and is a pesticide produced in the manufacture of the broad spectrum insecticide lindane, along with a number of different HCH isomers. delta-HCH is a solid crystals or platelets. It is slightly soluble in water and is soluble in alcohol. delta-HCH's production and use as a component of the pesticide lindane may have resulted in its direct release

to the environment through various waste streams. Lindane was banned in the U.S. and Europe, and non-gamma isomers may not be sold, manufactured, or distributed for use in the U.S. delta-HCH can volatilize from moist soil surfaces; however, volatilization from dry soil is not expected to be a significant transport mechanism. Vapor-phase delta-HCH will be degraded in the atmosphere. Volatilization and dry deposition is an important transport mechanism for delta-HCH. Occupational exposure to delta-HCH may occur through inhalation and dermal contact at workplaces where technical HCH is produced. The general population may be exposed to delta-HCH from consumption of contaminated food.

No data are available on the effects of delta-HCH in humans, and few animal data are available. delta-HCH is less toxic than lindane. delta-HCH is a class D chemical based on EPA's weight-of-evidence classification.

Toxicological values for lindane (gamma-BHC) were used as a surrogate for delta-HCH based on toxicological similarity.

4.0 gamma-BHC (Lindane) – CAS Number 58899

Lindance, also known as gamma-HCH or gamma-BHC, is an insecticide used to control a broad spectrum of phytophagous and soil-inhabiting insects, public-health pests, and animal ectoparasites. Lindane is a solid that varies from colorless, white, to yellow and is corrosive to metal. It is slightly soluble in water and is soluble in alcohol. Lindane's use resulted in its direct release to the environment through various waste streams. Lindane was banned in the U.S. and Europe. Lindane can volatilize from moist soil surfaces; however, volatilization from dry soil is not expected to be a significant transport mechanism. Volatilization and dry deposition is an important transport mechanism for lindane, which has been shown to bioconcentrate in aquatic organisms.

Occupational exposure to lindane may occur through inhalation of dust particles and dermal contact with this insecticide during or after its application or at workplaces where lindane is produced. The general population may be exposed to lindane via inhalation of ambient air, ingestion of contaminated food and drinking water, or dermal contact with medicinal products (scabicides, pediculicides, ectoparasiticides) containing this insecticide. Infants may be exposed to lindane via ingestion of contaminated breast milk.

Test organisms exposed to lindane were observed to have increased incidence of the following: liver hypertrophy, kidney tubular degeneration, hyaline droplets, tubular distension, interstitial nephritis, increased serum alkaline phosphatase, enlarged dark friable livers, and basophilic tubules.

Long-term oral administration of α-HCH, β-HCH, γ-HCH, or technical-grade HCH to laboratory rodents produced liver cancer. The Department of Health and Human Services (DHHS) has determined that HCH (all isomers) may reasonably be anticipated to cause cancer in humans. The International Agency for Research on Cancer (IARC) has classified HCH (all isomers) as possibly carcinogenic to humans. The EPA has determined that there is suggestive evidence that lindane (γ-HCH) is carcinogenic, but the evidence is not sufficient to assess its human carcinogenic potential. The EPA has additionally classified technical HCH and α-HCH as probable human carcinogens, β-HCH as a possible human carcinogen, and δ and ε-HCH as not classifiable as to human carcinogenicity. The USEPA carcinogenicity assessment for lifetime exposure weight of evidence characterization for lindane was assessed under the Health Effects Assessment Summary Tables program.

The following is a presentation of the toxicity information associated with **lindane**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 3.00E-04 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 1000.
- The Oral Chronic Reference Dose is based on the Zoecon Corp. study from 1983.
- The Oral Chronic Reference Dose study critical effect is liver toxicity.
- The overall confidence in the Oral Chronic Reference Dose is medium.

Carcinogenic Health Effects

- The Oral Slope Factor is 1.30E+00 $(mg/kg\text{-}day)^{-1}$.

5.0 Arsenic, Inorganic - CAS Number 7440382

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds. Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides, primarily on cotton plants. Arsenic cannot be destroyed in the environment. It can only change its form. Arsenic in air will settle to the ground or is washed out of the air by rain. Many arsenic compounds can dissolve in water. Fish and shellfish can accumulate arsenic, but the arsenic in fish is mostly in a form that is not harmful. The toxicity of inorganic arsenic depends on its valence state and also on the physical and chemical properties of the compound in which it occurs.

Water soluble inorganic arsenic compounds are absorbed through the gastrointestinal tract and lungs; distributed primarily to the liver, kidney, lung, spleen, aorta, and skin; and excreted mainly in the urine at rates as high as 80%. Symptoms of acute inorganic arsenic poisoning in humans are nausea, anorexia, vomiting, epigastric and abdominal pain, and diarrhea. Dermatitis (exfoliative erythroderma), muscle cramps, cardiac abnormalities, hepatotoxicity, bone marrow suppression and hematologic abnormalities (anemia), vascular lesions, and peripheral neuropathy (motor dysfunction, paresthesia) have also been reported. Oral doses as low as 20-60 g/kg/day have been reported to cause toxic effects in some individuals. Severe exposures can result in acute encephalopathy, congestive heart failure, stupor, convulsions, paralysis, coma, and death. The acute lethal dose to humans has been estimated to be about 0.6 mg/kg/day.

General symptoms of chronic arsenic poisoning in humans are weakness, general debility and lassitude, loss of appetite and energy, loss of hair, hoarseness of voice, loss of weight, and mental disorders. Primary target organs are the skin (hyperpigmentation and hyperkeratosis), nervous system (peripheral neuropathy), and vascular system. Anemia, leukopenia, hepatomegaly, and portal hypertension have also been reported. In addition, possible reproductive effects include a high male to female birth ratio.

Epidemiological studies have revealed an association between arsenic concentrations in drinking water and increased incidences of skin cancers, as well as cancers of the liver, bladder, respiratory and gastrointestinal tracts. Occupational exposure studies have shown a clear correlation between exposure to arsenic and lung cancer mortality. Several studies have shown that inorganic arsenic can increase the risk of lung cancer, skin cancer, bladder cancer, liver cancer, kidney cancer, and prostate cancer. The World Health Organization (WHO), the Department of Health and Human Services (DHHS), and the EPA have determined that inorganic arsenic is a human carcinogen and is classified: A; human carcinogen.

The following is a presentation of the toxicity information associated with **Arsenic**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 3.00E-04 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 3.
- The Oral Chronic Reference Dose is based on the Tseng study from 1977.
- The Oral Chronic Reference Dose study critical effects are hyperpigmentation, keratosis, and possible vascular complications.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Dermal Chronic Reference Dose is 1.23E-04 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.4100.

- The Oral Subchronic Reference Dose is 5.00E-03 (mg/kg-day).
- The Oral Subchronic Reference Dose has a modifying factor of 1.
- The Oral Subchronic Reference Dose has an uncertainty factor of 10.
- The Oral Subchronic Reference Dose is based on a human study (EPA 2002).
- The Oral Subchronic Reference Dose study critical effects are skin / hyperpigmentation and hyperkeratosis.
- The overall confidence in the Oral Subchronic Reference Dose is not listed.
- The Dermal Subchronic Reference Dose is 1.23E-04 (mg/kg-day).
- The Dermal Subchronic Reference Dose is based on a gastrointestinal absorption factor of 0.4100.

Carcinogenic Health Effects

- The Oral Unit Risk is 5.00E-02 $(mg/L)^{-1}$.
- The Oral Slope Factor is 1.50E+00 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is skin.
- The Oral Slope Factor study cancer type is skin cancer.
- The Oral Slope Factor is based on the U.S. EPA study from 1988.
- The Inhalation Slope Factor is 1.51E+01 $(mg/kg\text{-}day)^{-1}$.
- The Inhalation Unit Risk is 4.3E+00 $(mg/m3)^{-1}$.
- The Inhalation Risk study target organ is lung.
- The Inhalation Unit Risk study cancer type of lung cancer.
- The Inhalation Unit Risk is based on the Brown and Chu study from 1983.
- The Dermal Slope Factor is 3.66E+00 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.4100.

6.0 Benzene - CAS Number 71432

Benzene is widely used in the United States; it ranks in the top 20 chemicals for production volume. Benzene is a colorless organic liquid with a sweet odor. It evaporates into the air very quickly and dissolves slightly in water. It is highly flammable and is formed from both natural processes and human activities. Benzene. Benzene is used primarily in the production of other chemicals such as ethylbenzene, cumene, and cyclohexane. Benzene has also been used as a solvent, but this use is declining, coincidental with the replacement of benzene with other organic solvents. Benzene is emitted into the

workplace and the environment from industrial and other manmade sources, including gasoline from filling stations, smoking tobacco products, and auto exhaust.

Because of benzene's high vapor pressure, inhalation is the most likely route of exposure to the chemical, particularly in the workplace. Benzene is absorbed via ingestion, inhalation, and skin application. Experimental data indicate that humans can absorb up to 80% of inhaled benzene (after 5 minutes of exposure). Lethal oral doses of benzene are estimated to be 10 mL in humans. Nonlethal oral doses of benzene can impact the nervous, hematological, and immunological systems. Ingested and inhaled benzene produces symptoms of neurotoxicity at acute doses of 2 mL for humans. Inhalation of benzene vapor concentrations of 20,000 ppm for 5-10 minutes can be fatal to humans; death results from central nervous system depression.

Benzene is carcinogenic in humans by inhalation and in animals by the oral route of exposure. Occupational exposure to benzene has been associated mainly with increased incidences of acute myeloblastic or erythroblastic leukemias and chronic myeloid and lymphoid leukemias among workers. Studies in animals have demonstrated an association between oral and inhalation exposure to benzene and the development of a variety of tumors, including lymphoma and carcinomas of the Zymbal gland, oral cavity, mammary gland, ovaries, lung, and skin. Benzene has been placed in the EPA weight-of-evidence classification A, human carcinogen.

The following is a presentation of the toxicity information associated with **Benzene**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 4.00E-03 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 300.
- The Oral Chronic Reference Dose is based on the Rothman et. al. study from 1996.
- The Oral Chronic Reference Dose study critical effect is decreased lymphocyte count.
- The Oral Chronic Reference Dose is based on human study.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Inhalation Chronic Reference Concentration is 3.00E-02 (mg/m^3).
- The Inhalation Chronic Reference Concentration has a modifying factor of 1.
- The Inhalation Chronic Reference Concentration has an uncertainty factor of 300.
- The Inhalation Chronic Reference Concentration is based on the Rothman et. al. study from 1996.
- The Inhalation Chronic Reference Concentration study critical effects is decreased lymphocyte count.
- The Inhalation Chronic Reference Concentration is based on human study.
- The overall confidence in the Inhalation Chronic Reference Concentration is medium.
- The Inhalation Chronic Reference Dose (converted from the RfC) is 8.57E-03 (mg/kg-day).
- The Dermal Chronic Reference Dose is 3.88E-03 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.97.

Carcinogenic Health Effects

- The Oral Slope Factor is 5.50E-02 $(mg/kg\text{-}day)^{-1}$.

- The Oral Slope Factor study target organ is blood.
- The Oral Slope Factor study cancer type is leukemia.
- The Oral Slope Factor is based on the U.S. EPA study from 1999.
- The Inhalation Unit Risk is 7.8E-03 $(mg/m^3)^{-1}$.
- The Inhalation Unit Risk study target organ is blood.
- The Inhalation Unit Risk study cancer type is Leukemia.
- The Inhalation Unit Risk is based on the U.S. EPA study from 1998.
- The Inhalation Slope Factor (converted from the IUR) is 2.73E-02 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is 5.67E-02 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.9700.

7.0 Benzo[a]pyrene - CAS Number 50328

Benzo[a]pyrene is one of many chemicals known as polycyclic aromatic hydrocarbons (PAH). It exists as yellowish plates and needles. Benzo[a]pyrene is practically insoluble in water but is soluble in benzene, toluene, xylene and sparingly soluble in alcohol and methanol. No current commercial production or use of benzo[a]pyrene is known. It occurs ubiquitously in products of incomplete combustion and in fossil fuels. It has been identified in surface water, tap water, rain water, groundwater, waste water, and sewage sludge. Benzo[a]pyrene is primarily released to the air and removed from the atmosphere by photochemical oxidation and dry deposition to land or water. Biodegradation is the most important transformation process in soil or sediment.

No data are available on the systemic (non-carcinogenic) effects of benzo[a]pyrene in humans. Benzo[a]pyrene is readily absorbed following inhalation, oral, and dermal routes of administration. Following inhalation exposure, benzo[a]pyrene is rapidly distributed to several tissues in rats. The metabolism of benzo[a]pyrene is complex and includes the formation of a proposed ultimate carcinogen, benzo[a]pyrene 7,8 diol-9,10-epoxide. Dietary administration of doses as low as 10 mg/kg during gestation caused reduced fertility and reproductive capacity in mice offspring, and treatment by gavage with 120 mg/kg/day during gestation caused stillbirths, resorptions, and malformations.

Numerous epidemiologic studies have shown a clear association between exposure to various mixtures of PAHs containing benzo[a]pyrene (e.g., coke oven emissions, roofing tar emissions, and cigarette smoke) and increased risk of lung cancer and other tumors. However, each of the mixtures also contained other potentially carcinogenic PAHs; therefore, it is not possible to evaluate the contribution of benzo[a]pyrene to the carcinogenicity of these mixtures. Based on United States Environmental Protection Agency (EPA) guidelines, benzo[a]pyrene was assigned to weight-of-evidence group B2, probable human carcinogen.

The following is a presentation of the toxicity information associated with **Benzo[a]pyrene**:

Carcinogenic Health Effects

- The Oral Slope Factor is 7.30E+00 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is forestomach.
- The Oral Slope Factor study cancer type is squamous cell papillomas and carcinomas.
- The Oral Slope Factor is based on the Neal and Rigdon study from 1967.
- The Inhalation Unit Risk is 8.8E-01 $(mg/m^3)^{-1}$.
- The Dermal Slope Factor is 2.35E+01 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.3100.

8.0 Benzo[b]fluoranthene - CAS Number 205992

Benzo[b]fluoranthene is a polycyclic aromatic hydrocarbon (PAH) with one five-membered carbon ring and four six-membered carbon rings. It is a crystalline solid that is virtually insoluble in water and is slightly soluble in benzene and acetone. There is no commercial production or known use of this compound. Benzo[b]fluoranthene is found in fossil fuels and occurs ubiquitously in products of incomplete combustion. It has been detected in mainstream cigarette smoke; urban air; gasoline engine exhaust; emissions from burning coal and from oil-fired heating; broiled and smoked food; oils and margarine; and in soils, groundwater, and surface waters at hazardous waste sites.

No absorption data were available for benzo[b]fluoranthene; however, by analogy to structurally-related PAHs, primarily benzo[a]pyrene, it would be expected to be absorbed from the gastrointestinal tract, lungs, and skin. No data were found concerning the acute, subchronic, chronic, developmental, or reproductive toxicity of benzo[b]fluoranthene in humans.

No long-term oral or inhalation bioassays were available to assess the carcinogenicity of benzo[b]fluoranthene in humans. Benzo[b]fluoranthene was tested for carcinogenicity in animals in dermal application, lung implantation, subcutaneous (s.c.) injection, and intraperitoneal (i.p.) injection studies. Dermal applications of 0.01-0.5% solutions of benzo[b]fluoranthene for life produced a high incidence of skin papillomas and carcinomas in mice. Sarcomas and carcinomas of the lungs and thorax were seen in rats receiving single lung implants of 0.1-1 mg benzo[b]fluoranthene. Newborn mice receiving 0.5 umol benzo[b]fluoranthene via i.p. injection developed liver and lung tumors and mice administered three s.c. injections of 0.6 mg benzo[b]fluoranthene developed injection site sarcomas.

Based on no human data and sufficient evidence for carcinogenicity in animals, EPA has assigned a weight-of-evidence classification of B2, probable human carcinogen, to benzo[b]fluoranthene.

The following is a presentation of the toxicity information associated with **Benzo[b]fluoranthene**:

Carcinogenic Health Effects

- The Oral Slope Factor is 7.30E-01 $(mg/kg\text{-}day)^{-1}$.
- The Inhalation Unit Risk is 8.8E-02 $(mg/m^3)^{-1}$.
- The Dermal Slope Factor is 2.35E+00 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.3100.

9.0 Bis(2-ethylhexyl)phthalate - CAS Number 117817

Bis(2-ethylhexyl)phthalate or di(2-ethylhexyl)phthalate (DEHP) is a clear oily liquid and is practically insoluble in water. Bis(2-ethylhexyl)phthalate is primarily used in the plastics industry as a plasticizer with such varied applications as wire insulation, food packaging and biomedical applications such as tubing and blood containers. Other uses include vacuum pump oil and as a dielectric fluid in capacitors. The combined annual production of dioctyl phthalates in the United States exceeds 300 million pounds. The wide-spread uses of bis(2-ethylhexyl)phthalate have made the compound, along with other phthalic acid esters, ubiquitous in the environment. It has been detected in ground water, surface water, drinking water, air, soil, plants, fish and animals.

There is no evidence that DEHP causes serious health effects in humans. Most of what we know about the health effects of DEHP comes from high exposures to rats and mice. Brief exposure to very high levels of DEHP in food or water damaged sperm, but the effect reversed when DEHP was removed from the diet. Longer exposures to high doses affected the ability of both males and females to reproduce and caused birth defects. High levels of DEHP damaged the livers of rats and mice. Long exposures of rats to DEHP caused kidney damage similar to the damage seen in the kidneys of long-term dialysis patients. Whether or not DEHP contributes to human kidney damage, is unclear at present. Health effects from skin contact with products containing DEHP do not cause harmful effects because it cannot be taken up easily through the skin.

There is no direct evidence in any study on humans exposed to bis(2-ethylhexyl)phthalate that it causes cancer. Bis(2-ethylhexyl)phthalate is known to induce the proliferation of peroxisomes, which has been associated with carcinogenesis. Dose-dependent, statistically-significant increases in the incidences of hepatocellular carcinomas and combined carcinomas and adenomas were seen in mice and rats exposed to bis(2-ethylhexyl)phthalate in their diet. An increased incidence of neoplastic nodules and hepatocellular carcinomas was also reported in exposed rats.

Based on U.S. EPA guidelines, bis(2-ethylhexyl)phthalate was assigned to weight-of-evidence Group B2, probable human carcinogen, on the basis of an increased incidence of liver tumors in rats and mice.

The following is a presentation of the toxicity information associated with **Bis(2-ethylhexyl)phthalate**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 2.00E-02 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 1000.
- The Oral Chronic Reference Dose is based on the Carpenter et al. study from 1953.
- The Oral Chronic Reference Dose study target organ is liver.
- The Oral Chronic Reference Dose study critical effect is increased relative weight.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Dermal Chronic Reference Dose is 3.80E-03 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.1900.

Carcinogenic Health Effects

- The Oral Slope Factor is 1.40E-02 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is carcinoma and adenoma.
- The Oral Slope Factor is based on the NTP study from 1982.
- The Dermal Slope Factor is 7.37E-02 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.1900.

10.0 Chlordane - CAS Number 57749

Chlordane is a manufactured chemical that was used as a pesticide in the United States from 1948 to 1988; it does not occur naturally in the environment. Technical chlordane is not a single chemical, but is

actually a mixture of pure chlordane mixed with many related chemicals. It is a thick liquid whose color ranges from colorless to amber. Chlordane has a mild, irritating smell. Some of its trade names are Octachlor and Velsicol 1068. Until 1983, chlordane was used as a pesticide on crops like corn and citrus and on home lawns and gardens. Because of concern about damage to the environment and harm to human health, the Environmental Protection Agency (EPA) banned all uses of chlordane in 1983 except to control termites. In 1988, EPA banned all uses.

Chlordane is readily absorbed after oral, inhalation, or dermal exposure and is stored in adipose tissue. Death in humans from ingestion of chlordane was accompanied by vomiting, dry cough, agitation, restlessness, hemorrhagic gastritis, bronchopneumonia, muscle twitching, and convulsions. Headaches, irritability, confusion, weakness, vision problems, vomiting, stomach cramps, diarrhea, and jaundice have occurred in humans who breathed air containing high concentrations of chlordane or accidentally swallowed small amounts of chlordane. Large amounts of chlordane taken by mouth can cause convulsions and death in humans. Animals given high levels of chlordane by mouth for short periods died or had convulsions. Long-term exposure caused harmful effects in the liver of test animals.

Exposure of humans from chlordane treated homes has been associated with leukemia. An increased risk of non-Hodgkin's lymphoma has been found among farmers exposed to chlordane 20 or more days per year. Hepatic carcinomas and hepatocellular adenomas have been described for several strains of male and female mice and male rats given chlordane in the diet. EPA has classified chlordane as group B2, probable human carcinogen on the basis of benign and malignant liver tumor induction in four strains of male and female mice and in male rats treated with chlordane in the diet.

The following is a presentation of the toxicity information associated with **Chlordane**.

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 5.00E-04 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 300.
- The Oral Chronic Reference Dose is based on the Khasawinah and Grutsch study from 1989.
- The Oral Chronic Reference Dose study target organ is liver.
- The Oral Chronic Reference Dose study critical effect is necrosis.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Inhalation Chronic Reference Concentration is 7.00E-04 (mg/m^3).
- The Inhalation Chronic Reference Concentration has a modifying factor of 1.
- The Inhalation Chronic Reference Concentration has an uncertainty factor of 1000.
- The Inhalation Chronic Reference Concentration is based on the Khawawinah et al. study from 1989.
- The Inhalation Chronic Reference Concentration study target organ is liver.
- The Inhalation Chronic Reference Concentration study critical effect is effects.
- The overall confidence in the Inhalation Chronic Reference Concentration is low.
- The Dermal Chronic Reference Dose is 2.50E-04 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.5000.

Carcinogenic Health Effects

- The Oral Slope Factor is 3.50E-01 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is carcinoma.
- The Oral Slope Factor is based on the Khasawinah and Grutsch study from 1989.
- The Inhalation Unit Risk is 1.0E-01 $(mg/m^3)^{-1}$.
- The Inhalation Unit Risk study target organ is liver.
- The Inhalation Unit Risk study cancer type is carcinoma.
- The Inhalation Unit Risk is based on the Khasawinah and Grutsch study from 1989.
- The Dermal Slope Factor is 7.00E-01 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.5000.

11.0 DDD - CAS Number 72548

2,2-Bis(p-chlorophenyl)-1,1-dichloroethane's (DDD) former production and use as a nonsystemic contact and stomach insecticide has resulted in its widespread environmental release. DDD is also a metabolite of 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane (DDT), and the former use of DDT has resulted in the release of DDD to the environment. If released to air, DDD will exist in both the vapor and particulate phases in the ambient atmosphere. Vapor-phase DDD will be degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 4 days. Particulate-phase DDD will be removed from the atmosphere by wet and dry deposition.

If released to soil, DDD is expected to have no mobility. Volatilization from moist soil surfaces is expected to be an important fate process; however, adsorption may attenuate this process. DDD is not expected to volatilize from dry soil surfaces. DDD is generally considered recalcitrant, with a reported half-life of 160 days in anaerobic soil.

If released into water, DDD is expected to adsorb to suspended solids and sediment. Volatilization from water surfaces is expected to be an important fate process. However, volatilization from water surfaces is expected to be severely attenuated by adsorption to suspended solids and sediment in the water column. Estimated volatilization half-lives for a model river and model lake are 10 and 79 days, respectively, if adsorption is neglected. The volatilization half-life from a model pond is about 81 years when adsorption is considered. Biodegradation of DDD in water is expected to be very slow. No degradation of DDD exposed to ocean sediments in seawater under aerobic and anaerobic conditions was observed after a 12 month incubation period. DDD undergoes base catalyzed hydrolysis with a half-life of 570 days at pH 9. The hydrolysis rate of DDD under acidic conditions is slow, with a reported half-life of 190 years. BCF values of 51,000 to 83,200 measured in fish suggest that bioconcentration in aquatic organisms is very high.

Occupational exposure may occur through inhalation and dermal contact with this compound at workplaces where mitotane is produced or used. Although DDD is no longer registered for agricultural use in the US, the general population continues to be exposed to this compound due to its persistence. Oral ingestion of food is the primary source of exposure for the general population. Ingestion of contaminated drinking water, inhalation of contaminated air and dermal contact with contaminated soil surfaces are also possible routes of human exposure. There have been continual decreases in the overall levels of residues of DDE in all classes of food from 1965 to 1975.

The evidence for human carcinogenicity weight-of-evidence characterization classification is B2, probable human carcinogen, based on an increased incidence of lung tumors in male and female mice, liver tumors in male mice and thyroid tumors in male rats. DDD is structurally similar to, and is a known metabolite of DDT, a probable human carcinogen.

Carcinogenic Health Effects

- The Oral Slope Factor is 2.40E-01 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is increased liver tumor incidence.
- The Oral Slope Factor is based on the Tomatis et al. study from 1974.

12.0 DDE - CAS Number 72559

2,2-Bis(p-chlorophenyl)-1,1-dichloroethene (DDE) is an impurity in the formerly manufactured and used pesticide 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane (DDT), as well as a degradation product of DDT and therefore has been released to the environment as a result of the use of DDT as an insecticide. If released to air, DDE will exist in both the vapor and particulate phases in the ambient atmosphere. Vapor-phase DDE will be degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 2 days. DDE may also undergo direct photolysis in the environment since it absorbs light greater than 290 nm. The reported atmospheric half-life in sunlight at 40 deg latitude was calculated to range from 0.9 days in summer to 6.1 days in winter. Particulate-phase DDE will be removed from the atmosphere by wet and dry deposition.

If released to soil, DDE is expected to have no mobility. Volatilization from moist soil surfaces is expected to be an important fate process; however, adsorption may attenuate this process. DDE is not expected to volatilize from dry soil surfaces based on its vapor pressure. p,p'-DDE was less than 1% mineralized in flooded soils during a 42 day incubation period, suggesting biodegradation in soil surfaces is very slow.

If released into water, DDE is expected to adsorb to suspended solids and sediment in water based upon the Koc data. Volatilization from water surfaces is expected to be an important fate process based upon this compound's Henry's Law constant. However, volatilization from water surfaces is expected to be severely attenuated by adsorption to suspended solids and sediment in the water column. Estimated volatilization half-lives for a model river and model lake are 2 and 18 days, respectively, if adsorption is neglected. The volatilization half-life from a model pond is about 5 years when adsorption is considered. Biodegradation of DDE in water is expected to be very slow. No degradation of DDE exposed to ocean sediments in seawater under aerobic and anaerobic conditions was observed after a 12 month incubation period. The hydrolysis rate of DDE under environmental conditions is very slow, with a reported half-life of 120 years at 27 deg C and pH 3-5. Photolysis in sunlit surface water is expected to be an important fate process. Half-lives of 15 and 26 hours were reported for photolysis of DDE in water solutions irradiated at 310-410 nm. BCF values of 27,500 to 81,000 measured in fish, suggest that bioconcentration in aquatic organisms is very high.

Although DDT is no longer registered for agricultural use in the US, the general population continues to be exposed to DDE due to its long persistence time. Although concentrations are continuously decreasing, monitoring data continues to show levels of DDT, DDD and DDE in environmental media. Oral ingestion of food is the primary source of exposure for the general population. Ingestion of contaminated drinking water, inhalation of contaminated air and dermal contact with contaminated soil surfaces are also possible routes of human exposure.

The evidence for human carcinogenicity weight-of-evidence characterization classification is B2, probable human carcinogen, based on an increased incidence of lung tumors in male and female mice, liver tumors in male mice and thyroid tumors in male rats. DDE is structurally similar to, and is a known metabolite of DDT, a probable human carcinogen.

Carcinogenic Health Effects

- The Oral Slope Factor is 3.40E-01 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is increased liver tumor incidence.
- The Oral Slope Factor is based on the Tomatis et al. study from 1974, the NCI study from 1978, and the Rossi et al. study from 1983.

13.0 DDT - CAS Number 50293

2,2'-Bis(p-chlorophenyl)-1,1,1-trichloroethane's (DDT) former production and use as a broad spectrum pesticide has resulted in its widespread environmental release. If released to air, a vapor pressure of 1.6X10-7 mm Hg at 25 deg C indicates DDT will exist in both the vapor and particulate phases in the ambient atmosphere. Vapor-phase DDT will be degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 5 days. Particulate-phase DDT will be removed from the atmosphere by wet and dry deposition.

If released to soil, DDT is expected to have no mobility. Volatilization from moist soil surfaces is expected to be an important fate process; however adsorption may attenuate this process. The volatilization half-life of DDT from a soil in Kenya was reported as 110 days. DDT is generally considered recalcitrant under aerobic conditions in soil surfaces, but may undergo biodegradation under anaerobic conditions. It was reported that the mean lifetime of DDT in temperate US soils is about 5.3 years.

If released into water, DDT is expected to adsorb to suspended solids and sediment in water. Volatilization from water surfaces is expected to be an important fate process based upon this compound's Henry's Law constant but the Koc values would suggest that volatilization will be seriously attenuated. DDT undergoes base catalyzed hydrolysis with a half-life of 81 days at pH 9 and the product formed in the hydrolysis reaction is DDE. The hydrolysis rate of DDT under acidic conditions is very slow, with a reported half-life of 12 years at 27 deg C and pH 3-5. BCF values of 600 to 84,500 measured in fish, suggest that bioconcentration in aquatic organisms is very high.

Although DDT is no longer used in the US, the general population continues to be exposed to this compound due to its long persistence time. Oral ingestion of food is the primary source of exposure for the general population. Ingestion of contaminated drinking water, inhalation of contaminated air and dermal contact with contaminated soil surfaces are also possible routes of human exposure.

Weanling rats were fed DDT, and study organisms stored DDT in peripheral fat. Increasing hepatocellular hypertrophy, especially centrilobularly, increased cytoplasmic oxyphilia, and peripheral basophilic cytoplasmic granules (based on H and E paraffin sections) were observed. No effects were reported at 1 ppm, the NOEL level used as the basis for the RfD calculation. DDT-induced liver effects were observed in mice, hamsters and dogs as well.

The Laug et al. (1950) study was chosen for the RfD calculation because: 1) male rats appear to be the most sensitive animals to DDT exposure; 2) the study was of sufficient length to observe toxic effects; and 3) several doses were administered in the diet over the range of the dose-response curve. This study also established a LOAEL and a NOEL, with the LOAEL (0.25 mg/kg/day) being the lowest of any observed for this compound.

The evidence for human carcinogenicity weight-of-evidence characterization classification is B2, probable human carcinogen, based on an increased incidence of lung tumors in male and female mice, liver tumors in male mice and thyroid tumors in male rats.

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 5.00E-04 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 100.
- The Oral Chronic Reference Dose is based on the Laud et al. study from 1950.
- The Oral Chronic Reference Dose study target organ is liver.
- The Oral Chronic Reference Dose study critical effect is liver lesions.
- The overall confidence in the Oral Chronic Reference Dose is medium.

Carcinogenic Health Effects

- The Oral Slope Factor is 3.40E-01 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer type is increased liver tumor incidence.
- The Oral Slope Factor is based on the Terracini et al. study from 1973 and the Turusov et al. study from 1973.

14.0 Methylene Chloride - CAS Number 75092

Methylene chloride, also known as also known as dichloromethane, is a colorless organic liquid with a penetrating ether-like odor that does not occur naturally in the environment. Methylene chloride is used as a solvent in paint removers, degreasing agents, and aerosol propellants; as a polyurethane foam-blowing agent; as a process solvent in the pharmaceutical industry; and as an extraction solvent for spice oleoresins, hops, and caffeine.

Methylene chloride is readily absorbed from the lungs, the digestive tract, and to some extent through the skin. Breathing large amounts of methylene chloride may cause unsteadiness, dizziness, nausea, and a tingling or numbness of fingers and toes. Breathing smaller amounts of methylene chloride may decrease attention and accuracy in tasks requiring hand-eye coordination. Skin contact with methylene chloride causes burning and redness of the skin.

The primary adverse health effects associated with methylene chloride exposure are central nervous system (CNS) depression and mild liver effects. Neurological symptoms described in individuals occupationally exposed to methylene chloride included headaches, dizziness, nausea, memory loss, paresthesia, tingling hands and feet, and loss of consciousness. Major effects following acute inhalation exposure include fatigue, irritability, analgesia, narcosis, and death.

It is not known whether methylene chloride causes cancer in humans. Studies of workers exposed to methylene chloride have not recorded a significant increase in cancer cases above the number of cases expected for nonexposed workers; however, an increased cancer risk was seen in mice breathing large amounts of methylene chloride for a long time. Tumors were found in lungs and liver of exposed mice. Rats showed increases of benign mammary tumors. Based on inadequate evidence of carcinogenicity in humans and sufficient evidence in animals, U.S. EPA has placed methylene chloride in weight-of-evidence group B2, probable human carcinogen.

The following is a presentation of the toxicity information associated with **Methylene Chloride**.

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 6.00E-02 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 100.
- The Oral Chronic Reference Dose is based on the National Coffee Association study from 1982.
- The Oral Chronic Reference Dose study target organ is liver.
- The Oral Chronic Reference Dose study critical effect is toxicity.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Inhalation Chronic Reference Concentration is 3.00E+00 (mg/m^3).
- The Inhalation Chronic Reference Concentration has a modifying factor of 1.
- The Inhalation Chronic Reference Concentration has an uncertainty factor of 100.
- The Inhalation Chronic Reference Concentration is based on the U.S. EPA study from 1989.
- The Inhalation Chronic Reference Concentration study target organ is liver.
- The Inhalation Chronic Reference Concentration study critical effect is toxicity.
- The Dermal Chronic Reference Dose is 5.70E-02 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.9500.

Carcinogenic Health Effects

- The Oral Slope Factor is 7.50E-03 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.
- The Oral Slope Factor study cancer types are adenomas, carcinomas, nodules.
- The Oral Slope Factor is based on the NTP study from 1986.
- The Inhalation Unit Risk is 4.7E-04 $(mg/m^3)^{-1}$.
- The Inhalation Unit Risk study target organs are liver and lung.
- The Inhalation Unit Risk study cancer types are adenomas and carcinomas.
- The Inhalation Unit Risk is based on the NTP study from 1986.
- The Dermal Slope Factor is 7.89E-03 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.9500.

15.0 N-Nitrosodi-n-propylamine - CAS Number 621647

There is no evidence that N-nitrosodi-n-propylamine is produced commercially. However it has been identified as a contaminant in dinitrotrifluralin herbicides, and thus may be released to the environment when these herbicides are used and from spills, as well as from some industrial effluents. If released to air, N-nitrosodi-n-propylamine will exist solely as a vapor in the ambient atmosphere. Vapor-phase N-nitrosodi-n-propylamine is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 16 hr. N-Nitrosodi-n-propylamine is readily photolyzed in air forming N,N-dipropylnitramine in 5 to 7 hours in a photoreactor irradiated with simulated sunlight.

If released to soil, N-nitrosodi-n-propylamine is expected to have high mobility. A large fraction of the chemical will rapidly volatilize if released onto the soil surface, as opposed to being incorporated into the soil. N-Nitrosodi-n-propylamine readily photolyzes and would be expected to photolyze on the soil surface. N-Nitrosodi-n-propylamine's half-life in aerobic soils under laboratory conditions was about 3 weeks with volatilization and biodegradation the primary removal processes.

If released into water, N-nitrosodi-n-propylamine is not expected to adsorb to suspended solids and sediment in the water column. The major degradative process for N-nitrosodi-n-propylamine in surface water is expected to be photolysis where studies have shown thon may occur in 8 hours of exposure to sunlight. A Henry's Law constant of 5.38X10-6 atm-cu m/mole suggests N-nitrosodi-n-propylamine is expected to volatilize slowly from water surfaces. Estimated volatilization half-lives from a model river and model lake are 7.9 and 61 days, respectively. The potential for bioconcentration in aquatic organisms is low based upon an estimated BCF of 6. Experimental data suggest hydrolysis is not expected to be an important process.

Exposure to N-nitrosodi-n-propylamine would be primarily occupational via inhalation and dermal contact. Since N-nitrosodi-n-propylamine has been found as an impurity in the herbicide trifluralin, workers who apply trifluralin or come into contact with treated crops, or receptors downgradient from a spray drift formed during application may be exposed to N-nitrosodi-n-propylamine. It has been estimated that air, diet, and smoking all play a roughly equivalent role in direct human exposure to preformed N-Nitrosamine contributing a few micrograms per day, with direct intake from drinking water probably much less than 1 ug/day.

No data are available on the systemic (non-carcinogenic) effects of N-nitrosodi-n-propylamine in humans. This compound increased tumor incidence at multiple sites in two rodent species and in monkeys administered the compound by various routes. Human studies are inadequate to classify this compound as a human carcinogen. Consequently, it is a B2 carcinogen by EPA's weight-of-evidence classification.

The following is a presentation of the toxicity information associated with **N-nitrosodi-n-propylamine**:

Carcinogenic Health Effects

- The Oral Unit Risk is 2.00E-04 $(mg/L)^{-1}$.
- The Oral Slope Factor is 7.00E+00 $(mg/kg\text{-}day)^{-1}$.
- The Oral Slope Factor study target organ is liver.

- The Oral Slope Factor study cancer type is liver cancer.
- The Oral Slope Factor is based on the Druckrey et al. study from 1967.

16.0 PCB Aroclor® 1254 - CAS Number 11097691

Aroclor® 1254 is a is a viscous, light yellow liquid polychlorinated biphenyl (PCB) mixture containing approximately 21% $C_{12}H_6Cl_4$, 48% $C_{12}H_5Cl_5$, 23% $C_{12}H_4Cl_6$, and 6% $C_{12}H_3Cl_7$ with an average chlorine content of54%. PCBs are inert, thermally and physically stable, and have dielectric properties. In the environment, the behavior of PCB mixtures is directly correlated to the degree of chlorination. They have been used in closed systems such as heat transfer liquids, hydraulic fluids and lubricants, and in open systems such as plasticizers, surface coatings, inks, adhesives, pesticide extenders, and for microencapsulation of dyes for carbonless duplicating papers. Aroclor® is strongly sorbed to soil and remains immobile when leached with water; however, the mixture is highly mobile in the presence of organic solvents. PCBs are resistant to chemical degradation by oxidation or hydrolysis. PCBs have high bioconcentration factors and tend to accumulate in the fat of fish, birds, mammals, and humans.

PCBs are absorbed after oral, inhalation, or dermal exposure and are stored in adipose tissue. The major route of PCB excretion is in the urine and feces; however, more important is the elimination in human milk. Accidental human poisonings and data from occupational exposure to PCBs suggest initial dermal and mucosal disturbances followed by systemic effects that may manifest themselves several years post-exposure. Initial effects are enlargement and hypersecretion of the Meibomian gland of the eye, swelling of the eyelids, pigmentation of the fingernails and mucous membranes, fatigue, and nausea. These effects were followed by hyperkeratosis, darkening of the skin, acneform eruptions, edema of the arms and legs, neurological symptoms, such as headache and limb numbness, and liver disturbance.

Data are suggestive but not conclusive concerning the carcinogenicity of PCBs in humans. However, hepatocellular carcinomas in three strains of rats and two strains of mice have led the EPA to classify PCBs as group B2, probable human carcinogen.

The following is a presentation of the toxicity information associated with **Aroclor-1254**:

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 2.00E-05 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 300.
- The Oral Chronic Reference Dose is based on the Arnold study from 1994.
- The Oral Chronic Reference Dose study critical effects are ocular exudate, inflamed and prominent Meibomian glands.
- The overall confidence in the Oral Chronic Reference Dose is medium.
- The Dermal Chronic Reference Dose is 1.80E-05 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.9000.

Carcinogenic Health Effects

- The Oral Slope Factor is for exposure to soil or food is 2.00E+00 (mg/kg-day)-1.
- The Oral Slope Factor is for exposure to water is 4.00E-01 (mg/kg-day)-1.

- The Inhalation Unit Risk for exposure to soil or food is 5.7E-01 (mg/m3)-1.
- The Inhalation Unit Risk for exposure to water is 1.0E-01 (mg/m3)-1.
- The Dermal Slope Factor for exposure to soil or food is 2.22E+00 (mg/kg-day)-1.
- The Dermal Slope Factor for exposure to water is 4.44E-01 (mg/kg-day)-1.
- The Dermal Slope Factors are based on a gastrointestinal absorption factor of 0.9000.

17.0 PCB Aroclor® 1260 - CAS Number 11096825

Aroclor® 1260 is a colorless, liquid polychlorinated biphenyl (PCB) mixture containing approximately 38% $C_{12}H_4Cl_6$, 41% $C_{12}H_3Cl_7$, 8% $C_{12}H_2Cl_8$, and 12% $C_{12}H_5Cl_5$ with an average chlorine content of 60%. PCBs are inert, thermally and physically stable, and have dielectric properties. They have been used in closed systems such as heat transfer liquids, hydraulic fluids and lubricants, and in open systems such as plasticizers, surface coatings, inks, adhesives, pesticide extenders, and for microencapsulation of dyes for carbonless duplicating papers. In the environment, the behavior of PCB mixtures is directly correlated to the degree of chlorination. Aroclor® is strongly sorbed to soil and remains immobile when leached with water; however, the mixture is highly mobile in the presence of organic solvents. PCBs are resistant to chemical degradation by oxidation or hydrolysis. PCBs have high bioconcentration factors, and tend to accumulate in the fat of fish, birds, mammals, and humans. In humans, relatively greater amounts of PCBs have also been identified in skin, liver, and breast milk.

PCBs are absorbed after oral, inhalation, or dermal exposure and are stored in adipose tissue. Accidental human poisonings and data from occupational exposure to PCBs suggest initial dermal and mucosal disturbances followed by systemic effects that may manifest themselves several years post-exposure. Initial effects are enlargement and hypersecretion of the Meibomian gland of the eye, swelling of the eyelids, pigmentation of the fingernails and mucous membranes, fatigue, and nausea. These effects were followed by hyperkeratosis, darkening of the skin, acneform eruptions, edema of the arms and legs, neurological symptoms, such as headache and limb numbness, and liver disturbance. Hepatotoxicity is a prominent effect of PCBs, including Aroclor® 1260, that has been well characterized. Effects include hepatic microsomal enzyme induction, increased serum levels of liver-related enzymes (indicative of hepatocellular damage), liver enlargement, lipid deposition, fibrosis, and necrosis.

Data are suggestive but not conclusive concerning the carcinogenicity of PCBs in humans. However, hepatocellular carcinomas in three strains of rats and two strains of mice have led the EPA to classify PCBs as group B2, probable human carcinogen.

The following is a presentation of the toxicity information associated with **Aroclor-1260**:

Carcinogenic Health Effects

- The Oral Slope Factor is for exposure to soil or food is 2.00E+00 (mg/kg-day)-1.
- The Oral Slope Factor is for exposure to water is 4.00E-01 (mg/kg-day)-1.
- The Inhalation Unit Risk for exposure to soil or food is 5.7E-01 (mg/m3)-1.
- The Inhalation Unit Risk for exposure to water is 1.0E-01 (mg/m3)-1.
- The Dermal Slope Factor for exposure to soil or food is 2.22E+00 (mg/kg-day)-1.
- The Dermal Slope Factor for exposure to water is 4.44E-01 (mg/kg-day)-1.
- The Dermal Slope Factors are based on a gastrointestinal absorption factor of 0.9000.

18.0 Pyrene - CAS Number 129000

Pyrene, also known as benzo(def)phenanthrene, is a polycyclic aromatic hydrocarbon (PAH) with four aromatic carbon rings. Pure pyrene is a colorless crystalline solid at ambient temperature; the presence of tetracene, a common contaminant, gives it a yellow color. Pyrene can be derived from coal tar, but there is no commercial production or known commercial use of this compound. Pyrene from coal tar has been used as the starting material for the synthesis of benzo[a]pyrene.

Human exposure to pyrene occurs primarily through inhalation of tobacco smoke and polluted air and by ingestion of water polluted by combustion effluents. Pyrene is common in the environment as a product of incomplete combustion and has been identified in water, food, and in the air. Although a large body of literature exists on the toxicity and carcinogenicity of other PAHs, toxicity data for pyrene are limited. No human data were available that addressed the toxicity of pyrene. Subchronic oral exposure to pyrene produced nephropathy, decreased kidney weights, increased liver weights, and slight hematological changes in mice and produced fatty livers in rats. A single intraperitoneal injection of pyrene produced swelling and congestion of the liver and increased serum aspartate amino transferase (AST) and bilirubin levels in rats. No data were available concerning the toxic effects of inhalation exposure to pyrene.

No oral or inhalation bioassays were available to assess the carcinogenicity of pyrene in humans. Many studies involving different routes of pyrene exposure were done on animals. None of these studies saw an increase in tumor rates, but there is evidence that pyrene enhances the tumor causing ability of benzo[a]pyrene. Based on no human data and inadequate data from animal bioassays, U.S. EPA has placed pyrene in weight-of-evidence group D, not classifiable as to human carcinogenicity.

The following is a presentation of the toxicity information associated with **Pyrene**.

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 3.00E-02 (mg/kg-day).
- The Oral Chronic Reference Dose has a modifying factor of 1.
- The Oral Chronic Reference Dose has an uncertainty factor of 3000.
- The Oral Chronic Reference Dose is based on the U.S. EPA study from 1989.
- The Oral Chronic Reference Dose study target organ is kidney.
- The Oral Chronic Reference Dose study critical effect is effects.
- The overall confidence in the Oral Chronic Reference Dose is low.
- The Dermal Chronic Reference Dose is 9.30E-03 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.3100.

19.0 Trichloroethene - CAS Number 79016

Trichloroethene (TCE), also known as trichlorothylene, is a colorless, highly volatile liquid that is miscible with water and a number of organic solvents. TCE is a man-made chemical and is not known to occur naturally. It is mainly used as a solvent in industrial degreasing and cleaning of metals, but it is also used as a solvent for waxes, fats, resins, oils, and in numerous other applications. Prior to 1977, TCE had been used as an anesthetic, grain fumigant, disinfectant, and extractant of spice oleoresins in food and of caffeine in the production of decaffeinated coffee. The evaluation of the toxicity of TCE is complicated by the presence or absence of other chemicals. Industrial grade TCE usually contains stabilizers that are

known to be toxic such as triethylamine, triethanolamine, epichlorohydrin, or stearates. In the absence of stabilizers, TCE readily decomposes. These decomposition products are also toxic.

Human and animal data indicate that exposure to TCE can result in toxic effects on a number of organs and systems, including the liver, kidney, blood, skin, immune system, reproductive system, nervous system, and cardiovascular system. Breathing small amounts of TCE may cause headaches, lung irritation, dizziness, poor coordination, and difficulty concentrating. Breathing large amounts of TCE may cause impaired heart function, unconsciousness, and death. Breathing it for long periods may cause nerve, kidney, and liver damage. Drinking large amounts of TCE may cause nausea, liver damage, unconsciousness, impaired heart function, or death. Drinking small amounts of TCE for long periods may cause liver and kidney damage, impaired immune system function, and impaired fetal development in pregnant women, although the extent of some of these effects is not yet clear. Skin contact with TCE for short periods may cause skin rashes.

Epidemiologic studies have been inadequate to determine if a correlation exists between exposure to TCE and increased cancer risk in humans. Some human studies with exposure over long periods to high levels of TCE in drinking water or in workplace air have found evidence of increased cancer; however, these results are inconclusive because the cancer could have been caused by other chemicals. Some studies with mice and rats have suggested that high levels of TCE may cause liver or lung cancer. Although U.S. EPA's Science Advisory Board recommended a weight-of-evidence classification of C-B2 continuum (C = possible human carcinogen; B2 = probable human carcinogen), the agency has not adopted a current position on the weight-of-evidence classification. In an earlier evaluation, TCE was assigned to weight-of-evidence Group B2, probable human carcinogen. The International Agency for Research on Cancer (IARC) has determined that TCE is not classifiable as to human carcinogenicity.

The following is a presentation of the toxicity information associated with **Trichloroethene**.

Noncarcinogenic Health Effects

- The Oral Chronic Reference Dose is 3.00E-04 (mg/kg-day) based on critical effects in the liver, kidney, and developing fetus.
- The Dermal Chronic Reference Dose is 4.50E-05 (mg/kg-day).
- The Dermal Chronic Reference Dose is based on a gastrointestinal absorption factor of 0.1500.
- The Inhalation Chronic Reference Concentration is 4.00E-02 (mg/m^3) based on critical effects in the central nervous system, liver, and endocrine system.
- The Inhalation Chronic Reference Dose is 1.14E-02 (mg/kg-day).

Carcinogenic Health Effects

- The Oral Slope Factor is 4.00E-01 $(mg/kg\text{-}day)^{-1}$.
- The Inhalation Slope Factor is 4.00E-01 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is 2.67E+00 $(mg/kg\text{-}day)^{-1}$.
- The Dermal Slope Factor is based on a gastrointestinal absorption factor of 0.1500.

FINAL REMEDIAL INVESTIGATION REPORT
SITE 41, NAS PENSACOLA WETLANDS
NAVAL AIR STATION
PENSACOLA, FLORIDA

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The contractor, EnSafe Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0318 are complete, accurate, and comply with all requirements of the contract.

Date: August 17, 2005
Signature: _____
Name: Allison Harris
Title: Task Order Manager