Tables

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Table 1
Sediment Samples Collected Near RM 0.9-1.0 East (Slip 1)

Location Name	Location Number	Date Collected	Collection Depth	Event Name	Reference
Surface Sediment Samples					
EST211	179	9/17/1997	Surface	NOAA Site Characterization	NOAA 1998
EST212	198	9/17/1997	Surface	NOAA Site Characterization	NOAA 1998
EST213	199	9/17/1997	Surface	NOAA Site Characterization	NOAA 1998
EST216	202	9/17/1997	Surface	NOAA Site Characterization	NOAA 1998
EST220	206	9/17/1997	Surface	NOAA Site Characterization	NOAA 1998
WST365	337	9/18/1997	Surface	NOAA Site Characterization	NOAA 1998
EST215	201	10/14/1997	Surface	NOAA Site Characterization	NOAA 1998
CH1033	46	10/16/1997	Surface	NOAA Site Characterization	NOAA 1998
CH1034	47	10/17/1997	Surface	NOAA Site Characterization	NOAA 1998
EST214	200	10/22/1997	Surface	NOAA Site Characterization	NOAA 1998
DR073	639	8/12/1998	Surface	EPA SI	Weston 1999
DR015	582	8/17/1998	Surface	EPA SI	Weston 1999
DR016	583	8/17/1998	Surface	EPA SI	Weston 1999
DR017	584	8/17/1998	Surface	EPA SI	Weston 1999
DR062	628	8/17/1998	Surface	EPA SI	Weston 1999
DR086	652	8/31/1998	Surface	EPA SI	Weston 1999
DR018	585	9/2/1998	Surface	EPA SI	Weston 1999
B3b	10056	8/17/2004	Surface	LDW RI Phase 2 Round 1	Windward 2005b
LDW-SS32	12693	1/18/2005	Surface	LDW RI Phase 2 Round 1	Windward 2005a
LDW-SS37	12696	1/18/2005	Surface	LDW RI Phase 2 Round 1	Windward 2005a
LDW-SS31	12692	1/21/2005	Surface	LDW RI Phase 2 Round 1	Windward 2005a
LDW-SS30	12881	3/8/2005	Surface	LDW RI Phase 2 Round 2	Windward 2005b
LDW-SS35	12883	3/8/2005	Surface	LDW RI Phase 2 Round 2	Windward 2005b
LDW-SS323	14434	10/4/2006	Surface	LDW RI Phase 2 Round 3	Windward 2007b
LDW-SS320	14431	10/4/2006	Surface	LDW RI Phase 2 Round 3	Windward 2007b
LDW-SS319	14430	10/4/2006	Surface	LDW RI Phase 2 Round 3	Windward 2007b
LDW-SS321	14432	10/4/2006	Surface	LDW RI Phase 2 Round 3	Windward 2007b
LDW-SS318	14429	10/4/2006	Surface	LDW RI Phase 2 Round 3	Windward 2007b
Subsurface Sediment Samples					
DR021	588	9/22/1998	0 - 2 feet	EPA SI	Weston 1999
DR021	588	9/22/1998	2 - 4 feet	EPA SI	Weston 1999
C2	12954	8/29/2003	0 - 4 feet	Lehigh NW	Windward 2007c
C3	12955	8/29/2003	3.8 - 5 feet	Lehigh NW	Windward 2007c
LDW-SC16	14164	2/13/2006	0 - 2 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC16	14164	2/13/2006	2 - 4 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC16	14164	2/13/2006	4 - 6 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC16	14164	2/13/2006	8 - 10 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC20	14176	2/15/2006	0 - 2 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC20	14176	2/15/2006	2 - 4 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC20	14176	2/15/2006	4 - 6 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC20	14176	2/15/2006	8 - 10 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC15	14163	2/16/2006	0 - 1 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC15	14163	2/16/2006	1 - 2 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC15	14163	2/16/2006	2 - 4 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC15	14163	2/16/2006	4 - 6 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC18	14170	2/16/2006	0 - 1 feet	LDW RI Phase 2 Subsurface	Windward 2007a

Table 1
Sediment Samples Collected Near RM 0.9-1.0 East (Slip 1)

Location Name	Location Number	Date Collected	Collection Depth	Event Name	Reference
LDW-SC18	14170	2/16/2006	1 - 2 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC18	14170	2/16/2006	2 - 4 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC17	14169	2/23/2006	0 - 1 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC17	14169	2/23/2006	1 - 2 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC17	14169	2/23/2006	2 - 4 feet	LDW RI Phase 2 Subsurface	Windward 2007a
LDW-SC17	14169	2/23/2006	6 - 8.6 feet	LDW RI Phase 2 Subsurface	Windward 2007a

Notes:
Shaded location names were dredged in 2004.

Table 2
Chemicals Detected Above Screening Levels in Surface Sediment Samples
RM 0.9-1.0 East (Slip 1)

Event Name	Location Number	Date Collected	Chemical	Conc'n (mg/kg DW)		TOC (%)	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Metals and trace elements												
LDW RI Phase 2 Round 1	**B3b**	**8/17/2004**	**Arsenic**	**7.25E+02**	**J**	**1.82**		**57**	**93**	**mg/kg DW**	**13**	8
LDW RI Phase 2 Round 1	B3b	8/14/2004	Copper	4.95E+02		1.82		390	390	mg/kg DW	1.3	1.3
LDW RI Phase 2 Round 3	LDW-SS319	10/4/2006	Mercury	8.80E-01		2.74		0.41	0.59	mg/kg DW	2.1	1.5
LDW RI Phase 2 Round 1	LDW-SS37	1/18/2005	Mercury	6.90E-01		2.33		0.41	0.59	mg/kg DW	1.7	1.2
EPA SI	DR018	9/2/1998	Mercury	4.80E-01		2.21		0.41	0.59	mg/kg DW	1.2	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Mercury	4.60E-01	J	2.01		0.41	0.59	mg/kg DW	1.1	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Zinc	2.08E+03		1.82		410	960	mg/kg DW	5.1	2.2
LDW RI Phase 2 Round 1	LDW-SS31	1/21/2005	Zinc	9.97E+02		2.17		410	960	mg/kg DW	2.4	1.0
LDW RI Phase 2 Round 1	LDW-SS32	1/18/2005	Zinc	4.14E+02		2.26		410	960	mg/kg DW	1.0	<1
PAHs												
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	2-Methylnaphthalene	3.30E+00		2.01	1.64E+02	38	64	mg/kg OC	4.3	2.6
LDW RI Phase 2 Round 2	**LDW-SS35**	**3/8/2005**	**Acenaphthene**	**5.20E+00**		**2.01**	**2.59E+02**	**16**	**57**	**mg/kg OC**	**16**	4.5
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Benzo(a)anthracene	3.20E+00		2.01	1.59E+02	110	270	mg/kg OC	1.4	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Benzo(a)anthracene	2.80E+00		1.82	1.54E+02	110	270	mg/kg OC	1.4	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Benzo(a)pyrene	2.00E+00		2.01	9.95E+01	99	210	mg/kg OC	1.0	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Benzo(g,h,i)perylene	6.00E-01		1.82	3.30E+01	31	78	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Benzofluoranthenes (total-calc'd)	5.10E+00		2.01	2.54E+02	230	450	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Chrysene	5.40E+00		1.82	2.97E+02	110	460	mg/kg OC	2.7	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Chrysene	3.70E+00		2.01	1.84E+02	110	460	mg/kg OC	1.7	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Dibenzo(a,h)anthracene	2.40E-01		1.82	1.32E+01	12	33	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Fluoranthene	1.70E+01		2.01	8.46E+02	160	1200	mg/kg OC	5.3	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Fluoranthene	3.60E+00		1.82	1.98E+02	160	1200	mg/kg OC	1.2	<1
LDW RI Phase 2 Round 2	**LDW-SS35**	**3/8/2005**	**Fluorene**	**4.90E+00**		**2.01**	**2.44E+02**	**23**	**79**	**mg/kg OC**	**11**	3.1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Indeno(1,2,3-cd)pyrene	6.60E-01		1.82	3.63E+01	34	88	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Naphthalene	5.30E+00		2.01	2.64E+02	99	170	mg/kg OC	2.7	1.6
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Phenanthrene	1.50E+01		2.01	7.46E+02	100	480	mg/kg OC	7.5	1.6
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Total HPAH (calc'd)	4.20E+01		2.01	2.09E+03	960	5300	mg/kg OC	2.2	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	Total HPAH (calc'd)	1.99E+01		1.82	1.09E+03	960	5300	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	Total LPAH (calc'd)	3.40E+01		2.01	1.69E+03	370	780	mg/kg OC	4.6	2.2
Other SVOCs												
LDW RI Phase 2 Round 2	**LDW-SS35**	**3/8/2005**	**Dibenzofuran**	**3.50E+00**		**2.01**	**1.74E+02**	**15**	**58**	**mg/kg OC**	**12**	3.0
PCBs												
LDW RI Phase 2 Round 1	**LDW-SS37**	**1/18/2005**	**PCBs (total calc'd)**	**5.10E+00**		**2.33**	**2.19E+02**	**12**	**65**	**mg/kg OC**	**18**	3.4
NOAA Site Characterization	EST214	10/22/1997	PCBs (total calc'd)	7.00E-01	J	1.92	3.65E+01	12	65	mg/kg OC	3.0	<1
LDW RI Phase 2 Round 2	LDW-SS35	3/8/2005	PCBs (total calc'd)	6.50E-01		2.01	3.23E+01	12	65	mg/kg OC	2.7	<1

Table 2
Chemicals Detected Above Screening Levels in Surface Sediment Samples
RM 0.9-1.0 East (Slip 1)

Event Name	Location Number	Date Collected	Chemical	Conc'n (mg/kg DW)		TOC (%)	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS321	10/4/2006	PCBs (total calc'd)	4.50E-01	J	1.43	3.15E+01	12	65	mg/kg OC	2.6	<1
LDW RI Phase 2 Round 3	LDW-SS320	10/4/2006	PCBs (total calc'd)	3.90E-01	J	1.9	2.05E+01	12	65	mg/kg OC	1.7	<1
LDW RI Phase 2 Round 1	B3b	8/17/2004	PCBs (total calc'd)	3.50E-01		1.82	1.92E+01	12	65	mg/kg OC	1.6	<1
LDW RI Phase 2 Round 3	LDW-SS319	10/4/2006	PCBs (total calc'd)	3.50E-01		2.74	1.28E+01	12	65	mg/kg OC	1.1	<1
NOAA Site Characterization	EST216	9/17/1997	PCBs (total calc'd)	3.00E-01		2.21	1.36E+01	12	65	mg/kg OC	1.1	<1
EPA SI	DR018	9/2/1998	PCBs (total calc'd)	2.65E-01	J	2.21	1.20E+01	12	65	mg/kg OC	1.0	<1
LDW RI Phase 2 Round 3	LDW-SS318	10/4/2006	PCBs (total calc'd)	2.12E-01	J	1.64	1.29E+01	12	65	mg/kg OC	1.1	<1

DW - Dry weight
TOC - Total organic carbon
OC - Organic carbon normalized
SQS - Sediment Quality Standard
CSL - Cleanup Screening Level

NA - Not applicable
PAH - Polynuclear aromatic hydrocarbons
SVOC - Semivolatile organic compount
PCB - Polychlorinated biphenyl

Notes:
(1) Exceedance factors are the ratio of the detected concentrations to the CSL or SQS; exceedance factors are shown only if they are greater than 1.
(2) Chemicals with exceedance factors greater than 10 are shown in **Bold.**

Table 3
Chemicals Detected Above Screening Levels in Subsurface Sediment Samples
RM 0.9-1.0 East (Slip 1)

Event Name	Location Name	Collection Date	Collection Depth (feet)			Chemical	Conc'n (mg/kg DW)		TOC (%)	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Metals and trace elements															
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	Arsenic	1.70E+02		3.25		57	93	mg/kg DW	3.0	1.8
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	0	-	1	Arsenic	1.10E+02		3.06		57	93	mg/kg DW	1.9	1.2
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Arsenic	7.60E+01		3.24		57	93	mg/kg DW	1.3	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Arsenic	6.00E+01		6.35		57	93	mg/kg DW	1.1	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Cadmium	2.04E+01		3.24		5.1	6.7	mg/kg DW	4.0	3.0
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Cadmium	1.50E+01		6.35		5.1	6.7	mg/kg DW	2.9	2.2
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	Cadmium	7.60E+00		3.25		5.1	6.7	mg/kg DW	1.5	1.1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Chromium	3.86E+02		6.35		260	270	mg/kg DW	1.5	1.4
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Lead	1.74E+03		6.35		450	530	mg/kg DW	3.9	3.3
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Lead	4.70E+02		3.24		450	530	mg/kg DW	1.0	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Mercury	1.29E+00		6.35		0.41	0.59	mg/kg DW	3.1	2.2
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	Mercury	9.80E-01		2.24		0.41	0.59	mg/kg DW	2.4	1.7
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	2	-	4	Mercury	8.50E-01		2.96		0.41	0.59	mg/kg DW	2.1	1.4
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Mercury	7.50E-01		3.24		0.41	0.59	mg/kg DW	1.8	1.3
LDW RI Phase 2 Subsurface	LDW-SC20	2/15/2006	0	-	2	Mercury	6.50E-01		1.49		0.41	0.59	mg/kg DW	1.6	1.1
EPA SI	DR021	9/22/1998	2	-	4	Mercury	6.40E-01		2.45		0.41	0.59	mg/kg DW	1.6	1.1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	Mercury	6.00E-01		3.25		0.41	0.59	mg/kg DW	1.5	1.0
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	0	-	1	Mercury	5.00E-01		3.06		0.41	0.59	mg/kg DW	1.2	<1
LDW RI Phase 2 Subsurface	**LDW-SC17**	**2/23/2006**	**6**	**-**	**8.6**	**Zinc**	**4.55E+03**		**3.24**		**410**	**960**	**mg/kg DW**	**11**	4.7
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	2	-	4	Zinc	3.84E+03		6.35		410	960	mg/kg DW	9.4	4.0
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	Zinc	2.05E+03		3.25		410	960	mg/kg DW	5.0	2.1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	0	-	1	Zinc	1.26E+03		3.06		410	960	mg/kg DW	3.1	1.3
EPA SI	DR021	9/22/1998	2	-	4	Zinc	6.30E+02		2.45		410	960	mg/kg DW	1.5	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	2	-	4	Zinc	4.28E+02		2.96		410	960	mg/kg DW	1.0	<1
PAHs															
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Acenaphthene	1.20E+00		3.24	3.70E+01	16	57	mg/kg OC	2.3	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	Acenaphthene	3.60E-01		2.24	1.61E+01	16	57	mg/kg OC	1.0	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Fluoranthene	7.10E+00		3.24	2.19E+02	160	1200	mg/kg OC	1.4	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	Fluoranthene	5.60E+00		3.25	1.72E+02	160	1200	mg/kg OC	1.1	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	Fluoranthene	4.90E+00		2.24	2.19E+02	160	1200	mg/kg OC	1.4	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	0	-	2	Fluoranthene	4.70E+00		2.02	2.33E+02	160	1200	mg/kg OC	1.5	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Fluorene	1.40E+00		3.24	4.32E+01	23	79	mg/kg OC	1.9	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Phenanthrene	4.20E+00		3.24	1.30E+02	100	480	mg/kg OC	1.3	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	Total HPAH (calc'd)	2.20E+01		2.24	9.82E+02	960	5300	mg/kg OC	1.0	<1

Table 3
Chemicals Detected Above Screening Levels in Subsurface Sediment Samples
RM 0.9-1.0 East (Slip 1)

Event Name	Location Name	Collection Date	Collection Depth (feet)			Chemical	Conc'n (mg/kg DW)		TOC (%)	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Phthalates															
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	2	-	4	Bis(2-ethylhexyl)phthalate	3.10E+00		2.96	1.05E+02	47	78	mg/kg OC	2.2	1.3
EPA SI	DR021	9/22/1998	2	-	4	Bis(2-ethylhexyl)phthalate	2.00E+00		2.45	8.16E+01	47	78	mg/kg OC	1.7	1.0
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	Bis(2-ethylhexyl)phthalate	1.60E+00		2.24	7.14E+01	47	78	mg/kg OC	1.5	<1
Other SVOCs															
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	4	-	6	1,2,4-Trichlorobenzene	1.80E-02		2.24	8.04E-01	0.81	1.8	mg/kg OC	1.0	<1
LDW RI Phase 2 Subsurface	LDW-SC17 [a]	2/23/2006	2	-	4	Benzoic acid	3.00E+00	J	6.35		650	650	ug/kg DW	4.6	4.6
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	Dibenzofuran	7.10E-01		3.24	2.19E+01	15	58	mg/kg OC	1.5	<1
PCBs															
LDW RI Phase 2 Subsurface	**LDW-SC16**	**2/13/2006**	**2**	**-**	**4**	**PCBs (total calc'd)**	**5.40E+00**		**2.96**	**1.82E+02**	**12**	**65**	**mg/kg OC**	**15**	2.8
EPA SI	**DR021**	**9/22/1998**	**2**	**-**	**4**	**PCBs (total calc'd)**	**4.00E+00**		**2.45**	**1.63E+02**	**12**	**65**	**mg/kg OC**	**14**	2.5
LDW RI Phase 2 Subsurface	**LDW-SC16**	**2/13/2006**	**4**	**-**	**6**	**PCBs (total calc'd)**	**3.40E+00**		**2.24**	**1.52E+02**	**12**	**65**	**mg/kg OC**	**13**	2.3
LDW RI Phase 2 Subsurface	**LDW-SC20**	**2/15/2006**	**0**	**-**	**2**	**PCBs (total calc'd)**	**3.20E+00**		**1.49**	**2.15E+02**	**12**	**65**	**mg/kg OC**	**18**	3.3
LDW RI Phase 2 Subsurface	LDW-SC15	2/16/2006	4	-	6	PCBs (total calc'd)	1.95E+00		2.19	8.90E+01	12	65	mg/kg OC	7.4	1.4
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	6	-	8.6	PCBs (total calc'd)	1.90E+00		3.24	5.86E+01	12	65	mg/kg OC	4.9	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	0	-	1	PCBs (total calc'd)	1.22E+00		3.06	3.99E+01	12	65	mg/kg OC	3.3	<1
LDW RI Phase 2 Subsurface	LDW-SC17	2/23/2006	1	-	2	PCBs (total calc'd)	1.04E+00		3.25	3.20E+01	12	65	mg/kg OC	2.7	<1
LDW RI Phase 2 Subsurface	LDW-SC20	2/15/2006	2	-	4	PCBs (total calc'd)	6.00E-01		1.5	4.00E+01	12	65	mg/kg OC	3.3	<1
EPA SI	DR021	9/22/1998	0	-	2	PCBs (total calc'd)	5.20E-01		2.55	2.04E+01	12	65	mg/kg OC	1.7	<1
LDW RI Phase 2 Subsurface	LDW-SC15	2/16/2006	2	-	4	PCBs (total calc'd)	5.10E-01		1.62	3.15E+01	12	65	mg/kg OC	2.6	<1
LDW RI Phase 2 Subsurface	LDW-SC20	2/15/2006	4	-	6	PCBs (total calc'd)	4.00E-01		2.22	1.80E+01	12	65	mg/kg OC	1.5	<1
LDW RI Phase 2 Subsurface	LDW-SC15	2/16/2006	0	-	1	PCBs (total calc'd)	3.60E-01		2.37	1.52E+01	12	65	mg/kg OC	1.3	<1
LDW RI Phase 2 Subsurface	LDW-SC15	2/16/2006	1	-	2	PCBs (total calc'd)	3.40E-01	J	1.96	1.73E+01	12	65	mg/kg OC	1.4	<1
LDW RI Phase 2 Subsurface	LDW-SC16	2/13/2006	0	-	2	PCBs (total calc'd)	3.30E-01	J	2.02	1.63E+01	12	65	mg/kg OC	1.4	<1

DW - Dry weight
TOC - Total organic carbon
OC - Organic carbon normalized
SQS - Sediment Quality Standard
CSL - Cleanup Screening Level

NA - Not applicable
PAH - Polynuclear aromatic hydrocarbons
SVOC - Semivolatile organic compound
PCB - Polychlorinated biphenyl

Notes:
(1) Exceedance factors are the ratio of the detected concentrations to the CSL or SQS; exceedance factors are shown only if they are greater than 1.
(2) Chemicals with exceedance factors greater than 10 are shown in **Bold.**
[a] Due to the high TOC in this sample the results were compared to the Lowest Apparent Effects Threshold (LAET) value rather than the SQS and/or CSL (Ecology 1996). In most cases the Benthic LAET value replaced the CSL value and the Microtox LAET value replaced the SQS value.

Table 4
Chemicals Detected Above Screening Levels in Seep Samples
RM 0.9-1.0 East (Slip 1)

Source	Date Sampled	Sample Location	Chemical	Conc'n (ug/L)		Marine Chronic WQS	Marine Acute WQS	Chronic WQS Exceedance Factor	GW-to-Sediment Screening Level (Based on CSL)[a]	Exceedance Factor
Filtered Samples			**Metals**							
Windward 2004	6/29/2004	Seep 76	Arsenic	253		36	69	7.0	370	<1
Windward 2004	6/29/2004	Seep 76	Mercury	0.0153		1.8	0.025	<1	0.0074	2.1
Windward 2004	6/29/2004	Seep 76	Zinc	138	J	81	90	1.7	76	1.8
Unfiltered Samples			**Metals**							
Windward 2004	6/29/2004	Seep 76	Arsenic	287		36	69	8.0	370	<1
Windward 2004	**6/29/2004**	**Seep 76**	**Copper**	**50.9**		**3.1**	**4.8**	**16**	120	<1
Windward 2004	7/3/2004	Seep 75	Copper	8.43	J b	3.1	4.8	2.7	120	<1
Windward 2004	6/29/2004	Seep 76	Lead	56.4		8.1	210	7.0	13	4.3
Windward 2004	6/29/2004	Seep 76	Mercury	0.0616		1.8	0.025	<1	0.0074	8.3
Windward 2004	6/29/2004	Seep 76	Zinc	309		81	90	3.8	76	4.1

WQS - Water Quality Standards, Nov 2006
CSL - Sediment Management Standards Cleanup Screening Level
NA - Not applicable
a - Groundwater to sediment screening level, based on sediment CSLs. From SAIC 2006
b - Results shown is average of one or more laboratory replicate analyses
J - Estimated concentration

Notes:
(1) Exceedance factors are the ratio of the detected concentration to the screening level; exceedance factors are shown only if they are greater than or equal to 1.
(2) Chemicals with exceedance factors greater than 10 are shown in **Bold.**