

Table 1 - Summary of Field Sampling Results

Sample Location	North Coordinate	West Coordinate	Time	Tide Height in Feet	Mudline Elevation in Feet MLLW	Depth to Sediment in Feet	Core Length in Feet
DMMU C1							
C1-01	48° 30.804'	122°36.534'	12:00	4	-9.7	13.7	3.3
C1-02	48° 30.737'	122° 36.535'	13:40	4.3	-6.7	11.0	4.5
C1-03	48°30.752'	122°36.306'	15:00	5.7	-10.1	15.8	2.9
C1-04	No Data	No Data	NA	NA	NA	NA	NA
C1-05	48° 30.752'	122°36.306'	15:53	6.2	-8.3	14.5	4.7
C1-06	48°30.785'	122°36.269'	17:30	7.2	9.8	17.0	3.2
DMMU C2							
C2-01	48° 30.914'	122° 36.498'	15:20	1.3	-8.2	9.5	3.4
C2-02	48°30.936'	122°36.467'	17:00	1.4	-8.1	9.5	4.9
C2-03	48°30.941'	122°36.389'	17:40	1.9	-5.8	7.7	5.0
C2-04	No Data	No Data	16:30	1.2	1.2	0.0	3.8
DMMU C3							
C3-01	48° 30.933'	122° 36.259'	8:25	3.0	-8.0	3.3	5.0
C3-02	48°30.914'	122°36.253'	9:00	8.3	-0.2	8.5	5.0
C3-03	48°30.894'	122°36.224'	9:40	8.4	0.4	8.0	5.0
C3-04	48° 30.225'	122°36.211'	10:10	8.4	-0.9	7.5	5.0
DMMU C4							
C4-01	48° 30.858'	122° 36.227'	12:15	6.6	-2.7	9.3	5.0
C4-02	48° 30.847	122° 36.203'	11:40	7.4	-1.7	9.1	5.0
C4-03	48° 30.828'	122° 36.227'	12:30	6.3	-2.5	8.8	5.0
C4-04	48° 30.819'	122° 36.204'	12:00	6.9	-2.3	9.2	5.0
DMMU C5							
C4-01	48° 30.792'	122° 36.209'	14:15	2.5	-1.3	3.8	5.0
C4-02	48° 30.763'	122° 36.235'	13:00	3.3	-2.9	6.2	5.0
C4-03	48° 30.752'	122° 36.284'	11:00	4.3	-3.7	8.0	5.0
C4-04	No Data	No Data	10:00	6.9	-6.7	13.6	5.0
DMMU C6							
C6-01	No Data	No Data	15:00	4.0	-9.4	13.4	3.6
C6-02	48° 30.911'	122° 36.430'	15:20	4.3	-10.1	14.4	2.9
C6-03	48° 30.885'	122° 36.393'	15:45	4.8	-9.8	14.6	3.2
C6-04	48° 30.909'	122° 36.365'	16:15	5.3	-9.2	14.5	3.8
DMMU C7							
C7-01	48° 30.909'	122° 36.306'	15:45	1.2	10.5	11.7	2.5
C7-02	48° 30.877'	122° 36.251'	15:00	2.3	10.2	12.5	2.8
C7-03	48° 30.834'	122° 36.304'	16:00	1	11	12	2
C7-04	48° 30.831'	122° 36.267'	15:15	1.7	11.3	13	1.7

Table 1 - Summary of Field Sampling Results

Sample Location	North Coordinate	West Coordinate	Time	Tide Height in Feet	Mudline Elevation in Feet MLLW	Depth to Sediment in Feet	Core Length in Feet
DMMU C8							
C8-01	48° 30.894'	122° 36.505'	12:00	4.8	10.2	15	3
C8-02	48° 30.854'	122° 36.507'	14:20	6.3	-9.9	16.2	3.4
C8-03	48° 30.839'	122° 36.436'	14:45	6.5	-10.5	17	2.5
C8-04	48° 30.842'	122° 36.352'	15:17	6.9	-10.1	17	2.9
DMMU C9							
C9-01	48° 30.825'	122° 36.496'	8:50	7.2	-10.5	17.7	2.5
C9-02	48° 30.80'	122° 36.469'	11:15	4.7	-9.9	14.6	3.1
C9-03	No Data	No Data	10:00	5.7	-11	16.7	2
C9-04	48° 30.800'	122° 36.389'	10:30	5.2	-10.1	15.3	2.9
DMMU C10							
C10-01	No Data	No Data	11:15	6.6	-9.3	15.8	3.7
C10-02	No Data	No Data	11:15	6.6	-8.2	14.8	4.8
C10-03	No Data	No Data	11:15	6.6	-9.6	16.2	3.4
C10-04	No Data	No Data	11:15	6.6	-9.9	16.5	3.1
DMMU C11							
C11-01	48° 30.753'	122° 36.502'	9:00	7.8	-9.2	17	3.8
C11-02	48° 30.753'	122° 36.470'	9:30	6.7	-8.6	15.3	4.4
C11-03	48° 30.755'	122° 36.421'	10:15	5.7	-9.1	14.8	3.9
C11-04	48° 30.755'	122° 36.391'	10:40	5.1	-9	14.1	4
DMMU C12							
C12-01	48° 30.745'	122° 36.497'	12:00	3.4	-10.3	13.7	2.7
C12-02	48° 30.723'	122° 36.444'	12:40	3.2	-9.5	12.7	3.5
C12-03	No Data	No Data	13:45	3.3	-9	12.3	4
C12-04	48° 30.723'	122° 36.395'	13:15	3.2	-8.8	12	4.2

NA- Not Applicable

No Data- Data were not collected due to GPS outages. Samples were located using hand survey techniques.

Table 2 - Sample Compositing Plan

Composite Sample Number	Core Sections
C1	C1-01A, C1-02A, C1-03A, C1-05A, C1-06A
C2	C2-01A, C2-02A, C2-03A, C2-04A
C3	C3-01A, C3-02A, C3-03A, C3-04A
C4	C4-01A, C4-02A, C4-03A, C4-04A
C5	C5-01A, C5-02A, C5-03A, C5-04A
C6	C6-01A, C6-02A, C6-03A, C6-04A
C7	C7-01A, C7-02A, C7-03A, C7-04A
C8	C8-01A, C8-02A, C8-03A, C8-04A
C9	C9-01A, C9-02A, C9-03A, C9-04A
C10	C10-01A, C10-02A, C10-03A, C10-04A
C11	C11-01A, C11-02A, C11-03A, C11-04A
C12	C12-01A, C12-02A, C12-03A, C12-04A
Comp-1	C1-01A, C1-02A, C1-03A, C1-05A, C1-06A, C10-01A, C10-02A, C10-03A, C10-04A, C7-01A, C7-02A, C7-03A, C7-04A
Comp-2	C2-01A, C2-02A, C2-03A, C2-04A, C6-01A, C6-02A, C6-03A, C6-04A, C8-01A, C8-02A, C8-03A, C8-04A, C9-01A, C9-02A, C9-03A, C9-04A, C11-01A, C11-02A, C11-03A, C11-04A, C12-01A, C12-02A, C12-03A, C12-04A

Table 3 - Discrete Core Sample Description

Sample Identification	Sample Depth Interval in Feet	Visual Sediment Description
C1-01	0.0 to 1.5	Soft, wet, brown organic SILT; trace shell fragments and worms.
	1.5 to 3.3	Medium stiff, wet, brown, organic SILT; wood fragments at 3.2 feet.
C1-02	0.0 to 0.6	Soft, wet, black SILT; trace shell fragments.
	0.6 to 2.6	Medium stiff, wet, brown, organic SILT; wood fragments at 3.2 feet; sand lens at 2.0 feet.
	2.6 to 3.2	Dense, wet, gray, silty, gravelly SAND; shell fragments.
C1-03	0.0 to 1.2	Medium stiff, wet, black, slightly gravelly, sandy SILT; metal scale; wood/shell fragments; slight sheen.
	1.2 to 2.7	Hard, green, silty CLAY.
C1-04	NA	NA
C1-05	0.0 to 1.1	Very soft, wet, brown, organic SILT.
	1.1 to 2.8	Soft, wet, brown, organic SILT; trace shell fragments/wood at 1.1 and 1.6 feet.
	2.8 to 3.2	Medium stiff, gray SILT.
C1-06	0.0 to 1.1	Soft, wet, brown, organic SILT; worms and shell fragments.
	1.1 to 1.2	Loose, wet, brown SAND.
	1.2 to 2.3	Soft, wet, brown approximately 50% wood chip/sawdust in SILT matrix.
C2-01	0.0 to 1.3	Very soft, wet, brown SILT; trace shells.
	1.3 to 2.6	Hard, wet, gray SILT.
C2-02	0.0 to 1.1	Soft, wet, brown, organic SILT.
	1.1 to 2.2	Medium dense, wet, gray, silty, fine SAND; abundant shell fragments.
	2.2 to 2.4	Hard, wet, gray SILT.
C2-03	0.0 to 1.0	Soft, wet, dark gray SILT; scattered shells.
	1.0 to 2.1	Dense, wet, gray, very sandy GRAVEL; mix of round and angular.
	2.1 to 3.55	Very stiff, wet, gray, clayey SILT.
C2-04	0.0 to 1.6	Soft, wet, brown, slightly sandy, slightly gravelly SILT; trace wood.
	1.6 to 2.7	Medium dense, wet, gray, silty, fine SAND; abundant shell fragments.
C3-01	0.0 to 0.25	Very soft, wet, brown SILT.
	0.25 to 0.8	Medium dense, wet, gray, silty SAND.
	0.8 to 1.63	Dense, wet, gray, slightly silty, very gravelly SAND.
	1.63 to 1.83	Stiff, wet, gray SILT.
	1.83 to 2.8	Dense, wet, gray, slightly silty, gravelly SAND.
C3-02	0.0 to 1.1	Soft, wet, brown, organic SILT; trace shell/wood fragments.
	1.1 to 3.0	Medium dense, wet, gray, silty, fine SAND; abundant shell fragments.
	3.0 to 3.8	Dense, wet, gray, gravelly SAND.
C3-03	0.0 to 2.8	Soft, wet, brown to gray, slightly sandy SILT; shell fragments; areas of organics; occasional gravel; rusted iron.
	2.8 to 3.0	Soft, wet, gray SILT; shell fragments.
	3.0 to 3.7	Dense, wet, gray, silty, gravelly SAND.
C3-04	0.0 to 2.8	Soft, wet, dark gray, slightly sandy SILT; abundant shell fragments; live worm; trace wood.
	2.8 to 3.5	Dense, wet, gray, silty, gravelly SAND.
C4-01	0.0 to 0.4	Very soft, wet, brown SILT.
	0.4 to 1.3	Soft, wet, gray, slightly sandy SILT; scattered shell fragments.
	1.3 to 3.4	Stiff, wet, gray SILT; abundant shell fragments; trace wood.
	3.4 to 3.8	Fibrous PEAT, w/gray SILT interbeds.
C4-02	0.0 to 0.9	Very soft, wet, dark gray, slightly sandy SILT; scattered shell fragments.
	0.9 to 3.0	Medium stiff, wet, gray SILT; abundant shell fragments.
	3.0 to 4.1	Fibrous PEAT, w/ 1-inch SILT interbeds; scattered twigs and wood.

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Table 3 - Discrete Core Sample Description

Smple Identification	Sample Depth Interval in Feet	Visual Sediment Description
C4-03	0.0 to 1.0	Very soft, wet, dark gray, slightly sandy SILT.
	1.0 to 3.9	Medium stiff, wet, gray SILT; abundant shell fragments.
C4-04	0.0 to 1.2	Soft, wet, dark gray, slightly sandy SILT; wood and trace shells.
	1.2 to 2.8	Medium stiff, wet, gray SILT; abundant shell fragments.
	2.8 to 3.6	PEAT, w/silt interbeds (up to 2inches).
C5-01	0.0 to 0.8	Very soft, wet, brown SILT; live clams; trace eel grass.
	0.8 to 2.2	Soft, wet, gray, slightly sandy SILT; abundant shell fragments.
	2.2 to 3.2	Soft, wet, brown, organic SILT; twigs and wood.
	3.2 to 3.6	Soft, wet, brown, clayey SILT.
	3.6 to 4.4	Soft, wet, brown, organic SILT; wood fragments.
C5-02	0.0 to 0.2	Very soft, wet, brown SILT; eelgrass.
	0.2 to 1.9	Medium dense, wet, gray, silty SAND; abundant shell fragments.
	1.9 to 3.8	Medium dense, wet, gray, very silty, fine SAND; abundant shell fragments.
	3.9 to 4.0	White, chalky volcanic ASH layer (1-inch).
	4.0 to 4.6	Soft, wet, brown, fibrous PEAT.
C5-03	0.0 to 1.0	Soft, wet, organic SILT; trace shells.
	1.0 to 2.0	Medium dense, wet, gray, slightly silty, gravelly SAND; abundant shells.
	2.0 to 2.55	Stiff, wet, gray, slightly sandy SILT; shells.
	2.55 to 3.0	Medium dense, wet, gray, slightly sandy SILT; scattered GRAVEL/shells.
	3.0 to 3.4	Stiff, wet, gray, sandy SILT; shells.
	3.4 to 4.3	Dense, wet, gray, fine SAND; shell fragments.
C5-04	0.0 to 0.25	Soft, wet, brown SILT.
	0.25 to 1.2	Medium dense, wet, gray, slightly silty, gravelly SAND; trace shell fragments.
	1.2 to 3.2	Soft, wet, brown to gray, organic SILT; abundant wood; trace shells; fibrous peat at 2.5 to 3.0 feet.
	3.2 to 4.3	Soft, wet, yellow ASH with abundant shells; SILT laminae interbedded.
C6-01	0.0 to 1.2	Very soft, wet, brown, organic SILT.
	1.2 to 2.0	Soft, wet, brown, organic SILT.
	2.0 to 3.0	Very stiff, wet, gray, clayey SILT; trace SAND.
C6-02	0.0 to 1.0	Very soft, wet, brown, organic SILT; trace shell fragments.
	1.0 to 2.2	Soft, wet, brown, organic SILT; approximately 20% sawdust and wood; SILT lenses (1.8 and 2.0 feet).
C6-03	0.0 to 1.6	Soft, wet, black to brown SILT; trace shell fragments; H ₂ S odor.
	1.6 to 2.3	Soft, wet, brown SILT; approximately 50% sawdust and wood chips.
C6-04	0.0 to 1.8	Soft, wet, brown, organic SILT; approximately 50% wood chips (1.0 to 1.2 feet).
	1.8 to 3.1	Dense, wet, gray, medium to fine SAND; brown, silty SAND laminae.
C7-01	0.0 to 0.6	Very soft, wet, dark gray SILT.
	0.6 to 2.6	Medium stiff, wet, gray SILT; abundant shell fragments.
C7-02	0.0 to 1.4	Very soft, wet, brown, organic SILT; wood and trace shells.
	1.4 to 2.0	Medium stiff, wet, gray SILT; abundant shells.
	2.0 to 2.3	Dense, wet, gray, gravelly SAND; shells.
C7-03	0.0 to 0.5	Soft, wet, gray SILT.
	0.5 to 1.8	Medium stiff, wet, gray SILT; abundant shell fragments.
C7-04	0.0 to 0.6	Very soft, wet, brown, organic SILT.
	0.6 to 2.2	Fibrous PEAT.
C8-01	0.0 to 0.8	Soft, wet, black SILT; trace shells.
	0.8 to 1.2	Medium dense, wet, gray, silty SAND.
	1.2 to 2.4	Hard, moist to wet, gray SILT; fine stratification/laminae.

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Table 3 - Discrete Core Sample Description

Smple Identification	Sample Depth Interval in Feet	Visual Sediment Description
C8-02	0.0 to 2.9	Soft, wet, black, organic SILT; shell fragments at surface and 2.0 feet.
C8-03	0.0 to 1.4	Soft, wet, brown, organic SILT.
	1.4 to 2.0	Medium stiff, wet, brown, organic SILT.
C8-04	0.0 to 2.2	Soft, wet, brown, organic SILT; wood at 0.4 and 1.8 feet.
C9-01	0.0 to 1.5	(Light green SILT dusting over) soft, wet, brown, organic SILT; trace shell fragments.
	1.5 to 2.7	Medium stiff, wet, brown, organic SILT.
C9-02	0.0 to 1.6	Soft, wet, brown, organic SILT; trace shells; strong H ₂ S odor.
	1.6 to 2.3	Soft, wet, brown, organic SILT; approximaely 25% sawdust/wood fiber.
C9-03	0.0 to 1.4	Soft, wet, brown, organic SILT; trace shell fragments; H ₂ S odor; metal scale at approximately 1.0 foot.
	1.4 to 2.2	Medium stiff, wet, brown, organic SILT; wood.
C9-04	0.0 to 1.5	Soft, wet, brown, organic SILT; trace shell fragments; H ₂ S odor.
	1.5 to 2.0	Soft-med. stiff, wet, brown, organic SILT; trace wood.
C10-01	0.0 to 0.8	Very soft, wet, brown, organic SILT; trace shell fragments/wood.
	0.8 to 2.1	Soft, wet, brown, organic SILT; occasional shell fragments.
	2.1 to 2.5	Medium stiff, wet, gray SILT; occasional shell fragments.
	2.5 to 2.9	Dense, wet, gray, slightly gravelly, silty SAND.
C10-02	0.0 to 0.7	Very soft, wet, brown, organic SILT; trace shell fragments.
	0.7 to 3.1	Soft, wet, brown, organic SILT; trace wood/ grasses.
	3.1 to 3.9	Medium stiff, wet, brown, organic SILT; abundant shell fragments; trace wood.
C10-03	0.0 to 0.8	Very soft, wet, dark gray SILT.
	0.8 to 1.6	Soft, wet, brown, organic SILT.
	1.6 to 2.3	Medium stiff, wet, light brown, clayey SILT.
C10-04	0.0 to 1.0	Very soft, wet, dark gray SILT.
	1.0 to 2.2	Soft, wet, brown, organic SILT.
C11-01	0.0 to 0.6	Very soft, wet, green-brown SILT.
	0.6 to 2.4	Soft, wet, brown, organic SILT; scattered shell fragments; trace wood.
	2.4 to 2.8	Medium stiff to stiff, wet, brown SILT; abundant shell fragments; trace wood.
	2.8 to 3.2	Dense, wet, gray, slightly silty, gravelly SAND; abundant shell fragments.
C11-02	0.0 to 1.3	Very soft, wet, green-brown, organic SILT; trace shell fragments; slight sheen.
	1.3 to 3.1	Soft, wet, brown, organic SILT; scattered shell fragments; 2- by 3-inch aluminum sheeting at 2.4 feet.
C11-03	0.0 to 2.0	Soft, wet, brown, organic SILT; shell fragments; wood/bark at 2.0 feet.
	2.0 to 2.8	Soft to medium stiff, wet, brown, organic SILT; wood/bark at 2.1 feet.
C11-04	0.0 to 1.1	Very soft, wet, brown, organic SILT.
	1.1 to 1.8	Soft, wet, brown, organic SILT.
	1.8 to 2.6	Medium stiff, wet, brown, organic SILT; trace shell fragments.
C12-01	0.0 to 0.63	Soft, wet, brown, organic SILT; trace shell fragments.
	0.63 to 0.96	Wood and sawdust.
	0.96 to 1.00	SAND lens.
	1.0 to 2.2	Stiff, wet, gray, slightly sandy SILT; abundant shell fragments.
C12-02	0.0 to 1.15	Soft, wet, brown, organic SILT; trace sea grasses/shell fragments.
	1.15 to 1.25	Sawdust and wood chips; trace SAND layer at 1.25 feet.
	1.25 to 2.4	Stiff, gray, slightly sandy SILT; abundant shell fragments.

Table 3 - Discrete Core Sample Description

Smple Identification	Sample Depth Interval in Feet	Visual Sediment Description
C12-03	0.0 to 1.8	Very soft, wet, gray-black, organic SILT; piece of nylon rope at 0.6 foot.
	1.8 to 2.4	Sawdust and wood chips; trace SAND at 2.4 feet.
	2.4 to 3.0	Medium stiff, wet, gray SILT; abundant shell fragments.
C12-04	0.0 to 0.8	Very soft, wet, brown, organic SILT; trace shell fragments; H ₂ S odor.
	0.8 to 1.3	Sawdust and wood chips.
	1.3 to 1.34	Small SAND lens; scattered shells.
	1.34 to 3.1	Medium stiff, wet, gray, slightly sandy SILT; abundant shell fragments.

Table 4 - Summary of Grain Size Characterization Results

Sample Identification	Gravel in Percent	Sand in Percent	Silt in Percent	Clay in Percent	Sediment Description
C1	0	26	54	20	Clayey, sandy SILT
C2	3	27	50	20	Clayey, sandy SILT
C3	12	47	35	6	Slightly clayey, slightly gravelly silty SAND
C4	1	21	57	21	Clayey, sandy SILT
C5	15	47	28	10	Slightly clayey, slightly gravelly silty SAND
C6	0	44	41	15	Clayey, very sandy SILT
C7	0	13	65	22	Sandy, clayey SILT
C8	0	15	71	14	Clayey, sandy SILT
C9	0	5	73	22	Clayey SILT
C10	0	7	68	25	Slightly sandy, clayey SILT
C10 Dup	0	7	68	25	Slightly sandy, clayey SILT
C10 Trip	0	9	69	22	Slightly sandy, clayey SILT
C11	0	4	70	26	Clayey SILT
C12	0	16	59	25	Sandy, clayey SILT

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID Sample ID	PSDDA SL	902026-8 C1	902036-8 C2	902036-11 C3	902036-14 C4	902036-2 C5
Conventionals in %						
Ammonia As Nitrogen		66	22	5.3	12	24
Moisture			50	34	40	56
Total Organic Carbon		3.6	3.5	1.4	1.8	4.5
Total Solids		53	53.4	68.6	60.7	59.2
Total Sulfide		270	200	310	100	200
Total Volatile Solids		9.39	6.94	3.36	4.35	8.29
Metals in mg/kg						
Antimony	150	5.8 U	5.5 U	3.9 U	4.6 U	4.7 U
Arsenic	57	6.4	5.2	5.1	4.8	5.5
Cadmium	5.1	0.58 U	0.55 U	0.39 U	0.46 U	0.47 U
Copper	390	55	43	21	20	22
Lead	450	26	12	7.6	7.2	8.6
Mercury	0.41	0.21 U	0.2 U	0.16 U	0.17 U	0.18 U
Nickel	140	26	28	15	19	18
Silver	6.1	1.2 U	1.1 U	0.78 U	0.92 U	0.95 U
Zinc	410	95 J	77 J	49 J	46	44 J
Pore Water TBT in µg/L						
Tributyltin	0.15 *	0.47	0.20	0.015	0.02	0.03
Tetra-n-butyltin						
Di-n-butyltin						
n-Butyltin						
LPAHs in mg/kg						
2-Methylnaphthalene	0.67	0.036	0.011 J	0.007 J	0.032 U	0.014 J
Acenaphthene	0.5	0.05	0.008 J	0.017 U	0.019 U	0.024
Acenaphthylene	0.56	0.023	0.033	0.012 J	0.021 U	0.005 J
Anthracene	0.96	0.11	0.072	0.034 J	0.01 J	0.034 J
Fluorene	0.54	0.045	0.027	0.021	0.016 J	0.028
Naphthalene	2.1	0.11	0.094	0.058	0.06	0.085
Phenanthrene	1.5	0.22	0.23	0.16	0.061	0.16
Total LPAHs	5.2	0.558	0.464	0.285	0.147	0.336
HPAHs in mg/kg						
Benzo(a)anthracene	1.3	0.2	0.26	0.093	0.025 J	0.082
Benzo(a)pyrene	1.6	0.13	0.29	0.099	0.026	0.067
Benzo(b)fluoranthene		0.33 T	0.61 T	0.15 T	0.052 TJ	0.17 T
Benzo(g,h,i)perylene	0.67	0.067	0.18	0.059	0.016 J	0.036
Benzo(k)fluoranthene		0.33 T	0.61 T	0.15 T	0.052 TJ	0.17 T
Chrysene	1.4	0.29	0.46	0.11	0.043	0.18
Dibenz(a,h)anthracene	0.23	0.035	0.027	0.012 J	0.021 U	0.019 U
Fluoranthene	1.7	1.1	0.47	0.39	0.089	0.34
Indeno(1,2,3-cd)pyrene	0.6	0.065	0.16	0.051	0.022 U	0.032
Pyrene	2.6	0.44	0.59	0.22	0.1	0.35
Total Benzofluoranthenes	3.2	0.33	0.61	0.15	0.052 J	0.17
Total HPAHs	12	2.987	3.657	1.334	0.403	1.427
Semivolatiles in mg/kg						
1,2,4-Trichlorobenzene	0.031	0.023 U	0.031 U	0.028 U	0.031 U	0.028 U
Dibenzofuran	0.54	0.047	0.009 J	0.02 U	0.022 U	0.024
N-Nitrosodiphenylamine	0.028	0.017 U	0.023 U	0.021 U	0.023 U	0.021 U
Semivolatiles in µg/kg						
Benzoic Acid	650	49 J	50 J	14 J	14 J	19 J

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID Sample ID	PSDDA SL	902026-8 C1	902036-8 C2	902036-11 C3	902036-14 C4	902036-2 C5
Benzyl Alcohol	57	3.2 J	0.77 J	33 U	36 U	0.74 J
Phenols in µg/kg						
2,4-Dimethylphenol	29	3.4 J	1.3 J	0.65 J	15 U	0.96 J
2-Methylphenol	63	3.5 J	33 U	30 U	33 U	29 U
4-Methylphenol	670	190	74	51	67	63
Pentachlorophenol	400	6.5 J	2.7 J	48 U	53 U	1 J
Phenol	420	39 J	15 J	18 J	18 J	10 U
Phthalates in mg/kg						
Bis(2-ethylhexyl)phthalate	8.3	0.15	0.18	0.023 UJ	0.046 UJ	0.055 UJ
Butylbenzylphthalate	0.97	0.02 J	0.11 U	0.049 U	0.053 U	0.048 U
Di-n-butylphthalate	5.1	0.021 UJ	0.036 U	0.033 U	0.036 U	0.032 U
Di-n-octylphthalate	6.2	0.038 U	0.13	0.047 U	0.052 U	0.047 U
Diethylphthalate	1.2	0.028 U	0.038 U	0.035 U	0.038 U	0.034 U
Dimethylphthalate	1.4	0.025	0.014 J	0.031 U	0.034 U	0.03 U
Pesticide/PCBs in mg/kg						
Aroclor 1016		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1221		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1232		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1242		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1248		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1254		0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aroclor 1260		0.077 U	0.067 U	0.051 U	0.056 U	0.06 U
Total PCBs	0.13	0.071 U	0.067 U	0.051 U	0.056 U	0.06 U
Aldrin	0.01	0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Alpha-Chlordane		0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Dieldrin	0.01	0.007 U	0.007 U	0.005 U	0.006 U	0.006 U
Gamma-BHC (Lindane)		0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Heptachlor	0.01	0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Hexachlorobenzene	0.022	0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Hexachlorobutadiene	0.029	0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Hexachloroethane	1.4	0.029 U	0.04 UJ	0.037 UJ	0.04 UJ	0.036 UJ
P,P'-DDD		0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
P,P'-DDE		0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
P,P'-DDT		0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Volatiles in mg/kg						
1,2-Dichlorobenzene	0.035	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
1,3-Dichlorobenzene	0.17	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
1,4-Dichlorobenzene	0.11	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
Ethylbenzene	0.01	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
Tetrachloroethene	0.057	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
Total Xylenes	0.04	0.004 U	0.004 U	0.003 U	0.003 U	0.005 U
Trichloroethene		0.004 U	0.004 U	0.003 U	0.003 U	0.005 U

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID	PSDDA 902028-8		902036-17	902026-2	902026-5	902036-5
Sample ID	SL	C6	C7	C8	C9	C10
Conventionals in %						
Ammonia As Nitrogen		20	40	58	80	67
Moisture		43	54			57
Total Organic Carbon		1.9 J	3	3.2	3.9	3.7
Total Solids			45.3	40	59	47.3
Total Sulfide		380	220	870	930	130
Total Volatile Solids		4.34	9.22	7.51	9.3	16.4
Metals in mg/kg						
Antimony	150	4.8 U	5.8 U	5.5 U	6.5 U	6.2 U
Arsenic	57	4.2	5.9	5.5	6.4	5.3
Cadmium	5.1	0.48 U	0.58 U	0.55 U	0.65	0.62 U
Copper	390	33	48	51	59	64
Lead	450	7.7	10	19	26	25
Mercury	0.41	0.18 U	0.21 U	0.2 U	0.24 U	0.27
Nickel	140	21	24	30	32	27
Silver	6.1	0.97 U	1.2 U	1.1 U	1.3 U	1.2 U
Zinc	410	58	120 J	90 J	110 J	92 J
Pore Water TBT in µg/L						
Tributyltin	0.15	0.18	0.34	0.29	0.24	0.32
Tetra-n-butyltin						
Di-n-butyltin						
n-Butyltin						
LPAHs in mg/kg						
2-Methylnaphthalene	0.67	0.022 U	0.017 J	0.003 J	0.004 J	0.005 J
Acenaphthene	0.5	0.011 J	0.02	0.03 J	0.024	0.019 U
Acenaphthylene	0.56	0.017	0.059	0.031 J	0.02	0.004 J
Anthracene	0.96	0.023 J	0.15	0.11	0.033	0.027 J
Fluorene	0.54	0.022	0.056	0.1	0.03	0.019 J
Naphthalene	2.1	0.016 J	0.063	0.014 J	0.027	0.028 J
Phenanthrene	1.5	0.071	0.34	1.8	0.13	0.13
Total LPAHs	5.2	0.16	0.688	2.085	0.264	0.208
HPAHs in mg/kg						
Benzo(a)anthracene	1.3	0.063	0.33	0.47	0.091	0.083
Benzo(a)pyrene	1.6	0.064	0.29	0.25	0.087	0.074
Benzo(b)fluoranthene		0.19 T	0.47 T	1.9 T	0.16 T	0.17 T
Benzo(g,h,i)perylene	0.67	0.035	0.21	0.13	0.058	0.042
Benzo(k)fluoranthene		0.19 T	0.47 T	1.9 T	0.16 T	0.17 T
Chrysene	1.4	0.12	0.41	1.5	0.14	0.19
Dibenz(a,h)anthracene	0.23	0.014 J	0.071	0.062 J	0.027	0.021 U
Fluoranthene	1.7	0.19	0.78	5.2	0.25	0.27
Indeno(1,2,3-cd)pyrene	0.6	0.034	0.18	0.14	0.054	0.037
Pyrene	2.6	0.22	0.7	3	0.25	0.26
Total Benzofluoranthenes	3.2	0.19	0.47	1.9	0.16	0.17
Total HPAHs	12	1.12	3.911	14.55	1.277	1.296
Semivolatiles in mg/kg						
1,2,4-Trichlorobenzene	0.031	0.021 U	0.029 U	0.022 U	0.022 U	0.031 U
Dibenzofuran	0.54	0.009 J	0.028	0.055 J	0.019	0.022 U
N-Nitrosodiphenylamine	0.028	0.016 U	0.022 U	0.016 U	0.016 U	0.023 U
Semivolatiles in µg/kg						
Benzoic Acid	650	18 J	26 J	43 J	43 J	53 J

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID	PSDDA 902028-8		902036-17	902026-2	902026-5	902036-5
Sample ID	SL	C6	C7	C8	C9	C10
Benzyl Alcohol	57	49 U	0.83 J	1.9 J	1.9 J	5 J
Phenols in µg/kg						
2,4-Dimethylphenol	29	21 U	1.4 J	1.3 J	1.4 J	1.3 J
2-Methylphenol	63	45 U	30 U	1.4 J	2.4 J	33 U
4-Methylphenol	670	26 J	56	55	130	140
Pentachlorophenol	400	2.1 J	2.2 J	11 J	8 J	4.5 J
Phenol	420	8 U	16 J	30 J	36 J	31
Phthalates in mg/kg						
Bis(2-ethylhexyl)phthalate	8.3	0.089	0.14	0.11	0.12	0.13
Butylbenzylphthalate	0.97	0.036 U	0.05 U	0.037 U	0.038 U	0.053 U
Di-n-butylphthalate	5.1	0.025 U	0.034 U	0.025 U	0.02 UJ	0.036 U
Di-n-octylphthalate	6.2	0.036 U	0.049 U	0.036 U	0.037 U	0.052 U
Diethylphthalate	1.2	0.026 U	0.035 U	0.026 U	0.027 U	0.038 U
Dimethylphthalate	1.4	0.009 J	0.008 J	0.014 J	0.017 J	0.034 U
Pesticide/PCBs in mg/kg						
Aroclor 1016		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1221		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1232		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1242		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1248		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1254		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aroclor 1260		0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Total PCBs	0.13	0.061 U	0.072 U	0.068 U	0.079 U	0.078 U
Aldrin	0.01	0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Alpha-Chlordane		0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Dieldrin	0.01	0.006 U	0.007 U	0.007 U	0.008 U	0.008 U
Gamma-BHC (Lindane)		0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Heptachlor	0.01	0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Hexachlorobenzene	0.022	0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Hexachlorobutadiene	0.029	0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Hexachloroethane	1.4	0.028 UJ	0.038 UJ	0.028 U	0.029 U	0.04 UJ
P,P'-DDD		0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
P,P'-DDE		0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
P,P'-DDT		0.003 U	0.004 U	0.003 U	0.004 U	0.004 U
Volatiles in mg/kg						
1,2-Dichlorobenzene	0.035	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
1,3-Dichlorobenzene	0.17	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
1,4-Dichlorobenzene	0.11	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
Ethylbenzene	0.01	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
Tetrachloroethene	0.057	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
Total Xylenes	0.04	0.004 U	0.004 U	0.003 U	0.005 U	0.004 U
Trichloroethene		0.004 U	0.004 U	0.003 U	0.005 U	0.004 U

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID	PSDDA 902028-2		902028-5	902026-10	K2000363-002	K2000363-001
Sample ID	SL	C11	C12	TRIP BLANK	COMP-2	COMP-1
Conventionals in %						
Ammonia As Nitrogen		76	35			
Moisture		57	41			
Total Organic Carbon		4.1 J	3.9 J			
Total Solids						
Total Sulfide		640	70			
Total Volatile Solids		9.08	8.48			
Metals in mg/kg						
Antimony	150	6.2 U	5.6 U			
Arsenic	57	6.8	6.3			
Cadmium	5.1	0.78	0.6			
Copper	390	67	280			
Lead	450	33	23			
Mercury	0.41	0.23	0.22 U			
Nickel	140	33	27			
Silver	6.1	2.5 U	1.1 U			
Zinc	410	120	100			
Pore Water TBT in µg/L						
Tributyltin	0.15	0.27	0.20		0.30	0.29
Tetra-n-butyltin					0.05 U	0.05 U
Di-n-butyltin					0.05 U	0.05 U
n-Butyltin					0.05 U	0.05 U
LPAHs in mg/kg						
2-Methylnaphthalene	0.67	0.021 J	0.004 J			
Acenaphthene	0.5	0.022	0.017			
Acenaphthylene	0.56	0.03	0.021			
Anthracene	0.96	0.088	0.051			
Fluorene	0.54	0.036	0.029			
Naphthalene	2.1	0.053	0.04			
Phenanthrene	1.5	0.2	0.21			
Total LPAHs	5.2	0.429	0.368			
HPAHs in mg/kg						
Benzo(a)anthracene	1.3	0.22	0.14			
Benzo(a)pyrene	1.6	0.18	0.16			
Benzo(b)fluoranthene		0.46 T	0.48 T			
Benzo(g,h,i)perylene	0.67	0.14	0.093			
Benzo(k)fluoranthene		0.46 T	0.48 T			
Chrysene	1.4	0.33	0.26			
Dibenz(a,h)anthracene	0.23	0.057	0.045			
Fluoranthene	1.7	0.58	0.5			
Indeno(1,2,3-cd)pyrene	0.6	0.12	0.091			
Pyrene	2.6	0.56	0.39			
Total Benzofluoranthenes	3.2	0.46	0.48			
Total HPAHs	12	3.107	2.639			
Semivolatiles in mg/kg						
1,2,4-Trichlorobenzene	0.031	0.023 U	0.023 U			
Dibenzofuran	0.54	0.016 U	0.016			
N-Nitrosodiphenylamine	0.028	0.017 U	0.017 U			
Semivolatiles in µg/kg						
Benzoic Acid	650	46 J	32 J			

Table 5 - Chemical Analysis Results for Sediment Samples

Lab ID	PSDDA 902028-2		902028-5	902026-10	K2000363-002	K2000363-001
Sample ID	SL	C11	C12	TRIP BLANK	COMP-2	COMP-1
Benzyl Alcohol	57	2.1 J	1.6 J			
Phenols in µg/kg						
2,4-Dimethylphenol	29	2.9 J	1.9 J			
2-Methylphenol	63	2.7 J	2.4 J			
4-Methylphenol	670	140	190			
Pentachlorophenol	400	26 J	24 J			
Phenol	420	30 J	20 J			
Phthalates in mg/kg						
Bis(2-ethylhexyl)phthalate	8.3	0.16	0.2			
Butylbenzylphthalate	0.97	0.039 U	0.04 U			
Di-n-butylphthalate	5.1	0.026 U	0.021 J			
Di-n-octylphthalate	6.2	0.076 U	0.039 U			
Diethylphthalate	1.2	0.028 U	0.028 U			
Dimethylphthalate	1.4	0.015 J	0.017 J			
Pesticide/PCBs in mg/kg						
Aroclor 1016		0.078 U	0.072 U			
Aroclor 1221		0.078 U	0.072 U			
Aroclor 1232		0.078 U	0.072 U			
Aroclor 1242		0.078 U	0.072 U			
Aroclor 1248		0.078 U	0.072 U			
Aroclor 1254		0.078 U	0.072 U			
Aroclor 1260		0.078 U	0.072 U			
Total PCBs	0.13	0.078 U	0.072 U			
Aldrin	0.01	0.004 U	0.004 U			
Alpha-Chlordane		0.004 U	0.004 U			
Dieldrin	0.01	0.008 U	0.007 U			
Gamma-BHC (Lindane)		0.004 U	0.004 U			
Heptachlor	0.01	0.004 U	0.004 U			
Hexachlorobenzene	0.022	0.004 U	0.004 U			
Hexachlorobutadiene	0.029	0.004 U	0.004 U			
Hexachloroethane	1.4	0.029 UJ	0.03 UJ			
P,P'-DDD		0.004 U	0.004 U			
P,P'-DDE		0.004 U	0.004 U			
P,P'-DDT		0.004 U	0.004 U			
Volatiles in mg/kg						
1,2-Dichlorobenzene	0.035	0.005 U	0.003 U	0.002 U		
1,3-Dichlorobenzene	0.17	0.005 U	0.003 U	0.002 U		
1,4-Dichlorobenzene	0.11	0.005 U	0.003 U	0.002 U		
Ethylbenzene	0.01	0.005 U	0.003 U	0.001 U		
Tetrachloroethene	0.057	0.005 U	0.003 U	0.001 U		
Total Xylenes	0.04	0.005 U	0.003 U	0.001 U		
Trichloroethene		0.005 U	0.003 U	0.001 U		

* Bioaccumulation trigger.

U = Not detected at indicated detection limit.

J = Estimated value.

T = Value represents the total of benzo(b) and benzo(k)fluoranthene.

= Concentration exceeds screening level.

Table 6- Results of Amphipod Sediment Bioassay (Percent Mortality Endpoint)

Test	Test Species	Sample ID	Replicate Percent Mortality					Mean	Dispersive Disposal Site Interpretation Guidelines	
			1	2	3	4	5		1-hit rule M _T -M _C > 20% and M _T vs M _R SD (p=.05) and M _T -M _R > 10%	2-hit rule M _T -M _C > 20% and M _T vs M _R SD (p=.05)
Amphipod Mortality	<i>Ampelisca abdita</i>	Control	5	0	15	0	0	4		
		Reference (CR-02)	5	5	10	25	35	16		
		C8	10	20	20	30	15	19		Pass

SD: Statistically different

M: Percent mortality

Subscripts: R = reference sediment, C = negative control, T = test sediment

X: Bioassay exceeds the criteria

Table 7- Results of Sediment Larval Bioassay (Normality Endpoint)

Test	Test Species	Sample ID	Replicate Raw Counts of Normal Larvae					Mean	Dispersive Disposal Site Interpretation Guidelines	
			1	2	3	4	5		1-hit rule $N_T/N_C < 0.80$ and N_T/N_C vs N_R/N_C SD ($p=.10$) and $N_R/N_C \cdot N_T/N_C >$ 0.15	2-hit rule $N_T/N_C < 0.80$ and N_T/N_C vs N_R/N_C SD ($p=.10$)
Sediment Larval (unscreened) (Initial Count - 245 embryos)	<i>Strongylocentrotus purpuratus</i>	Control	233	221	183	187	157	196.20		
		Reference (CR-02)	163	163	181	110	157	154.80		
		C8	171	124	148	100	144	137.40		NSD

SD: Statistically different
 NSD: Not statistically different
 N: Counts of normal larvae
 Subscripts: R = reference sediment, C = negative control, T = test sediment
 X: Bioassay exceeds the criteria

Table 8- Results of Juvenile Polychaete Sediment Bioassay (Mean Individual Growth Rate Endpoint)

Test	Test Species	Sample ID	Replicate Mean Individual Growth Rate in mg/ind/d					Mean	Dispersive Disposal Site Interpretation Guidelines	
			1	2	3	4	5		1-hit rule MIG _T /MIG _C < 0.80 and MIG _T vs MIG _R SD (p=.05) and MIG _T /MIG _R < 0.70	2-hit rule MIG _T /MIG _C < 0.80 and MIG _T vs MIG _R SD (p=.05)
Juvenile Polychaete	Neanthes	Control	0.83	0.89	0.96	0.94	0.97	0.92	Pass	
		Reference (CR-02)	1.01	0.95	0.95	1.00	1.03	0.98		
		C8	0.84	0.92	0.84	0.54	0.78	0.78		

* Reference sediment failed to meet performance criteria.

SD: Statistically different

NSD: Not statistically different

MIG: Mean individual growth rate (mg/individual/day)

Subscripts: R = reference sediment, C = negative control, T = test sediment

Table 9 - Analytical Results for Bioaccumulation Testing

DMMP Tissue Guideline	Concentration in mg/kg wet weight				Lipids in %
	Tetra-n-butyltin 0.6	Tri-n-butyltin 0.6	Di-n-butyltin 0.6	n-Butyltin 0.6	
Comp-1					
MAC-2	0.001 U	0.011	0.0028	0.0003 J	1.05
MAC-3	0.001 U	0.01	0.0025	0.001 U	1.07
MAC-8	0.001 U	0.011	0.0027	0.001 U	0.97
MAC-12	0.001 U	0.015	0.0036	0.001 U	1.23
MAC-17	0.001 U	0.013	0.0025	0.001 U	1.16
Average	0.001 U	0.012	0.0028	0.0009 J	1.10
Variance	0	3E-06	2E-07	8E-08	0.0081
T-Test	NA	-5E+05	-9E+06	-2E+07	NA
NEP-2	0.001 U	0.0013	0.0011	0.001 U	1.11
NEP-3	0.001 U	0.0012	0.001 J	0.0002 J	1.20
NEP-8	0.001 U	0.0011	0.0008 J	0.001 U	1.20
NEP-12	0.001 U	0.001	0.0013	0.0003 J	1.25
NEP-17	0.001 U	0.0013	0.0005 J	0.0002 J	1.16
Average	0.001 U	0.0012	0.0009	0.0005 J	1.18
Variance	0	1E-08	7E-08	1E-07	0.0022
T-Test	NA	-1E+08	-2E+07	-1E+07	NA
Comp-2					
MAC-1	0.001 U	0.015	0.0035	0.0013	1.39
MAC-7	0.001 U	0.018	0.0043	0.0005 J	1.08
MAC-10	0.001 U	0.018	0.0029	0.001 U	1.07
MAC-11	0.001 U	0.017	0.0032	0.001 U	1.32
MAC-20	0.001 U	0.021	0.0048	0.0005 J	1.16
Average	0.001 U	0.0178	0.0037	0.0009	1.20
Variance	0	4E-06	5E-07	1E-07	0.0167
T-Test	NA	-4E+05	-3E+06	-1E+07	NA
NEP-1	0.001 U	0.0017	0.0013	0.001 U	1.66
NEP-7	0.001 U	0.0018	0.0016	0.0003 J	1.15
NEP-10	0.001 U	0.0021	0.0007 J	0.0005 J	1.24
NEP-11	0.001 U	0.002	0.0012	0.0003 J	1.21
NEP-20	0.001 U	0.0017	0.0013	0.001 U	1.20
Average	0.001 U	0.0019	0.0012	0.0006 J	1.29
Variance	0	3E-08	9E-08	1E-07	0.0347
T-Test	NA	-6E+07	-2E+07	-1E+07	NA

Table 9 - Analytical Results for Bioaccumulation Testing

DMMP Tissue Guideline	Concentration in mg/kg wet weight				Lipids in %
	Tetra-n-butyltin 0.6	Tri-n-butyltin 0.6	Di-n-butyltin 0.6	n-Butyltin 0.6	
Reference					
MAC-5	0.001 U	0.0012	0.0024	0.001 U	1.01
MAC-6	0.001 U	0.0016	0.0018	0.001 U	1.25
MAC-9	0.001 U	0.0014	0.0016	0.001 U	1.04
MAC-15	0.001 U	0.0019	0.0034	0.001 U	1.06
MAC-19	0.001 U	0.0016	0.0014	0.001 U	1.06
Average	0.001 U	0.0015	0.0021	0.001 U	1.08
Variance	0	5E-08	5E-07	0	0.0072
T-Test	NA	-3E+07	-3E+06	NA	NA
NEP-5	0.001 U	0.001 U	0.0008 J	0.001 U	1.35
NEP-6	0.001 U	0.001 U	0.0006 J	0.001 U	1.24
NEP-9	0.001 U	0.001 U	0.0004 J	0.001 U	1.15
NEP-15	0.001 U	0.001 U	0.0014	0.0002 J	1.07
NEP-19	0.001 U	0.001 U	0.001 U	0.001 U	1.20
Average	0.001 U	0.001 U	0.0008	0.0008	1.20
Variance	0	0	1E-07	1E-07	0.0087
T-Test	NA	NA	-1E+07	-1E+07	NA
Background					
MAC-21	0.001 U	0.0067	0.0028	0.0009 J	1.26
MAC-22	0.001 U	0.0023	0.0021	0.001 U	1.27
MAC-23	0.001 U	0.0032	0.0027	0.001 U	1.29
Average	0.001 U	0.0041	0.0025	0.001 U	1.27
Variance	0	4E-06	1E-07	2E-09	0.0002
T-Test	NA	-3E+05	-1E+07	-5E+08	NA
NEP-24	0.001 U	0.001 U	0.001 U	0.001 U	1.19
NEP-25	0.001 U	0.001 U	0.001 U	0.001 U	1.48
NEP-26	0.001 U	0.001 U	0.001 U	0.001 U	1.41
Average	0.001 U	0.001 U	0.001 U	0.001 U	1.36
Variance	0	0	0	0	0.0153
T-Test	NA	NA	NA	NA	NA

U = Not detected at indicated detection limit.

J = Estimated value.

Table 10- Summary of Bioaccumulation Testing Analytical Results

DMMP Tissue Guideline	Concentration in mg/kg (wet weight)				Lipids in %
	Tetra-n-butyltin None	Tri-n-butyltin 0.6	Di-n-butyltin None	n-Butyltin None	
Comp-1					
Initial testing (TBT porewater)	max value 0.47 ug/l				
Retest of composite (TBT porewater)	0.29 ug/l		Adjusted tissue chemistry values		
ratio I/R	1.62				
MAC-2	0.001 U	0.011	0.0178	0.0028	0.0003 J
MAC-3	0.001 U	0.01	0.0162	0.0025	0.001 U
MAC-8	0.001 U	0.011	0.0178	0.0027	0.001 U
MAC-12	0.001 U	0.015	0.0243	0.0036	0.001 U
MAC-17	0.001 U	0.013	0.0211	0.0025	0.001 U
Average	0.001 U	0.012	0.0194	0.00282	0.00086 J
Variance	0	0.0000040	0.0000105	0.00000207	0.00000098
t statistic (test vs guidelines)	NA	-657.4039854	-400.4940475 SD	NA	NA
NEP-2	0.001 U	0.0013	0.0021	0.0011	0.001 U
NEP-3	0.001 U	0.0012	0.0019	0.001 J	0.0002 J
NEP-8	0.001 U	0.0011	0.0018	0.0008 J	0.001 U
NEP-12	0.001 U	0.001	0.0016	0.0013	0.0003 J
NEP-17	0.001 U	0.0013	0.0021	0.0005 J	0.0002 J
Average	0.001 U	0.00118	0.0019	0.00094	0.00054 J
Variance	0	0.0000002	0.0000004	0.0000001	0.0000001
t statistic (test vs guidelines)	NA	-10269.67828	-6328.859723 SD	NA	NA
Comp-2					
Initial testing (TBT porewater)	max value 0.29 ug/l				
Retest of composite (TBT porewater)	0.30 ug/l				
ratio I/R	0.96666667				
MAC-1	0.001 U	0.015		0.0035	0.0013
MAC-7	0.001 U	0.018		0.0043	0.0005 J
MAC-10	0.001 U	0.018		0.0029	0.001 U
MAC-11	0.001 U	0.017		0.0032	0.001 U
MAC-20	0.001 U	0.021		0.0048	0.0005 J
Average	0.001 U	0.0178		0.00374	0.00086
Variance	0	0.0000047		0.0000006	0.0000001
t statistic (test vs guidelines)	NA	-600.4934496		NA	NA
NEP-1	0.001 U	0.0017		0.0013	0.001 U
NEP-7	0.001 U	0.0018		0.0016	0.0003 J
NEP-10	0.001 U	0.0021		0.0007 J	0.0005 J
NEP-11	0.001 U	0.002		0.0012	0.0003 J
NEP-20	0.001 U	0.0017		0.0013	0.001 U
Average	0.001 U	0.00186		0.00122	0.00062 J
Variance	0	0.0000003		0.0000001	0.0000001
t statistic (test vs guidelines)	NA	-7362.594441		NA	NA
Reference					
MAC-5	0.001 U	0.0012		0.0024	0.001 U
MAC-6	0.001 U	0.0016		0.0018	0.001 U
MAC-9	0.001 U	0.0014		0.0016	0.001 U
MAC-15	0.001 U	0.0019		0.0034	0.001 U
MAC-19	0.001 U	0.0016		0.0014	0.001 U
Average	0.001 U	0.00154		0.00212	0.001 U
Variance	0	0.0000001		0.0000007	0.0000000
NEP-5	0.001 U	0.001 U		0.0008 J	0.001 U
NEP-6	0.001 U	0.001 U		0.0006 J	0.001 U
NEP-9	0.001 U	0.001 U		0.0004 J	0.001 U
NEP-15	0.001 U	0.001 U		0.0014	0.0002 J
NEP-19	0.001 U	0.001 U		0.001 U	0.001 U
Average	0.001 U	0.001 U		0.00084	0.00084
Variance	0	0		0.00000148	0.00000128
Background					
MAC-21	0.001 U	0.0067		0.0028	0.0009 J
MAC-22	0.001 U	0.0023		0.0021	0.001 U
MAC-23	0.001 U	0.0032		0.0027	0.001 U
Average	0.001 U	0.00406667		0.00253333	0.00096667 U
Variance	0	0.0000054		0.0000001	0.00000003
NEP-24	0.001 U	0.001 U		0.001 U	0.001 U
NEP-25	0.001 U	0.001 U		0.001 U	0.001 U
NEP-26	0.001 U	0.001 U		0.001 U	0.001 U
Average	0.001 U	0.001 U		0.001 U	0.001 U
Variance	0	0		0	0

Notes:
SD- Result is significantly different than the tributyltin tissue guideline (0.6 mg/kg wet weight/ 3 mg/kg dry weight)
U = Not detected at indicated detection limit
J = Estimated value.
NA = Not applicable.