TABLE 4-3 METHOD DETECTION LIMITS (MDLs) FOR RINSATE BLANKS

Parameter	Units	Laboratory MDL
Pesticides - GC organochlorine compounds (SW846 3540A/3540A/8080)A		
Aldrin	ug/L	0.041
γ-BHC (Lindane)	ug/L	0.004
α-Chlordane	ug/L	0.017
γ-Chlordane	ug/L	0.013
4,4'-DDD	ug/L	0.010
4,4'-DDE	ug/L	0.061
4,4'-DDT	ug/L	0.013
Dieldrin	ug/L	0.015
Endrin	ug/L	0.013
Heptachlor	ug/L	0.030
Toxaphene	ug/L	2.37
Semivolatile Organics HPLC - PAHs (SW846 3540A/3640A/8310)		
Acenaphthene	ug/L	0.08
Acenaphthylene	ug/L	0.53
Anthracene	ug/L	0.024
Benzo[a]anthracene	ug/L	0.017
Benzo[b]fluoranthene	ug/L	0.027
Benzo[k]fluoranthene	ug/L	0.008
Benzo[a]pyrene	ug/L	0.021
Benzo[ghi]perylene	ug/L	0.028
Chrysene	ug/L	0.014
Dibenzo[a,h]anthracene	ug/L	0.022
Fluoranthene	ug/L	0.047
Fluorene	ug/L	0.041
Indeno[1,2,3-cd]pyrene	ug/L	0.042
1-Methyl Naphthalene	ug/L	0.10
2-Methyl Naphthalene	ug/L	0.13
Naphthalene	ug/L	0.15
Phenanthrene	ug/L	0.007
Pyrene	ug/L	0.016
PCB Congeners - GC/ECD - (NOAA, 1989) (b)		
2,4'-Dichlorobiphenyl (IUPAC-8)	ug/L	0.01
2,2',5-Trichlorobiphenyl (IUPAC-18)	ug/L	0.01
2,4,4'-Trichlorobiphenyl (IUPAC-28)	ug/L	0.01
2,2',3,5'-Tetrachlorobiphenyl (IUPAC-44)	ug/L	0.01
2,2',5,5'-Tetrachlorobiphenyl (IUPAC-52)	ug/L	0.01
2,3',4,4'-Tetrachlorobiphenyl (IUPAC-66)	ug/L	0.01
3,3',4,4'-Tetrachlorobiphenyl (IUPAC-77) (c)	ug/L	0.01
2,2',4,5,5'-Pentachlorobiphenyl (IUPAC-101)	ug/L	0.01
2,3,3',4,4'-Pentachlorobiphenyl (IUPAC-105)	ug/L	0.01
2,3',4,4',5-Pentachlorobiphenyl (IUPAC-118)	ug/L	0.01
3,3',4,4',5-Pentahlorobiphenyl (IUPAC-126) (c)	ug/L	0.01
2,2',3,3',4,4'-Hexachlorobiphenyl (IUPAC-128)	ug/L	0.01
2,2',3,4,4',5'-Hexachlorobiphenyl (IUPAC-138)	ug/L	0.01
2,2',4,4',5,5'-Hexachlorobiphenyl (IUPAC-153)	ug/L	0.01
3,3',4,4',5,5'-Hexachlorobiphenyl (IUPAC-169)	ug/L	0.01

TABLE 4-3 Continued

Parameter	Units	Laboratory MDL
2,2',3,3',4,4',5-Heptachlorobiphenyl (IUPAC-170)	ug/L	0.01
2,2',3,4,4',5,5'-Heptachlorobiphenyl (IUPAC-180)	ug/L	0.01
2,2',3,4',5,5',6-Heptachlorobiphenyl (IUPAC-187)	ug/L	0.01
2,2',3,3',4,4',5,6-Octachlorobiphenyl (IUPAC-195)	ug/L	0.01
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (IUPAC-206)	ug/L	0.01
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (IUPAC-209)	ug/L	0.01
Dioxins and Furans - HRGC/HRMS (EPA 1613)		
2,3,7,8-TCDD	pg/L	2.41
1,2,3,7,8-PeCDD	pg/L	17.84
1,2,3,4,7,8-HxCDD	pg/L	21.28
1,2,3,6,7,8-HxCDD	pg/L	17.99
1,2,3,7,8,9-HxCDD	pg/L	20.02
1,2,3,4,6,7,8-HpCDD	pg/L	29.19
OCDD	pg/L	12.73
2,3,7,8-TCDF	pg/L	7.38
1,2,3,7,8-PeCDF	pg/L	21.73
2,3,4,7,8-PeCDF	pg/L	13.54
1,2,3,4,7,8-HxCDF	pg/L	25.12
1,2,3,6,7,8-HxCDF	pg/L	15.54
1,2,3,7,8,9-HxCDF	pg/L	29.44
1,2,3,4,6,7,8-HpCDF	pg/L	13.29
1,2,3,4,7,8,9-HpCDF	pg/L	21.20
OCDF	pg/L	17.22
Organometals		
Tributyltins	ug/L	0.16
Inorganic nonmetals		
Fluoride	mg/L	0.018
TOC	mg/L	0.20
Sulfide	mg/L	1.0
Metals - Cold Vapor		
Mercury	ug/L	0.10
Metals - (SW3010A/6010A) - ICP Trace		
Arsenic	ug/L	2.0
Metals - ICP		
Zinc	ug/L	6.0

TABLE 4-3 Continued

Parameter	Units	Laboratory MDL
Metals - (SW3020A/7000 series) - GFAA		
Antimony	ug/L	1.0
Cadmium	ug/L	0.6
Chromium	ug/L	0.7
Copper	ug/L	2.0
Lead	ug/L	1.0
Nickel	ug/L	2.0
Phosphorus [(d)]	ug/L	19.2
Selenium	ug/L	2.0
Silver	ug/L	1.0

(a) URS Greiner. 1998. *Sediment Sampling and Analysis Plan for Dredging Associated with the Proposed Daniel Island Marine Cargo Terminal.* Where the SSAP differs with the U.S. EPA Region IV RIM, the RIM value is provided in ( ).

(b) Coplanar PCB Congener

(c) Method detection limits determined using sediment/soil matrix.

(d) MDL determined concurrently with sample analysis.