Chemical Characterization Data for the Preload Materials

Parameter / Sampling Station	PAD 47-750	SWI 47-751	LC 47-776	SKA 47-777
Total Organic Carbon (%)	0.09 %	0.04 %	0.04 %	0.08 %
PAH Compounds (ug/kg or ppb) (EPA 8270)				
Naphthalene	< 5	< 3	**2**	**2**
2-Methylnaphthalene	< 7	< 4	< 2	< 2
Acenaphthene	< 8	< 5	< 2	< 3
Acenaphthylene	< 5	< 3	< 2	< 2
Anthracene	< 3	< 2	< 1	< 1
Fluorene	< 6	< 3	< 2	< 2
Phenanthrene	< 3	< 2	< 1	< 1
Fluoranthene	< 3	< 2	< 0.9	< 1
Pyrene	< 3	< 2	< 0.8	< 0.9
Chrysene *	< 3	< **4**	< 0.9	< 1
Benzo(a)anthracene *	< 3	< 5	< 1	< 1
Benzo(a)pyrene *	< 4	< 5	**2**	< 1
Benzoflouranthenes-g	< 4	< 5	< 1	< 1
Dibenz(a,h)anthracene *	< 6	< 8	< 2	< 2
Indeno(1,2,3-cd)pyrene *	< 9	< 13	< 3	< 4
Benzo(g,h,i)perylene	< 6	< 8	< 2	< 2
Total PAH	**39.0**	**37.0**	**14.8**	**14.5**
Total Carcinogenic PAH (*)	**14.5**	**20.0**	**6.0**	**5.0**
Chlorinated Organics (ug/kg or ppb)				
1,2,4-trichlorobenzene	< 0.8	< 0.8	< 2	< 2
hexachlorobenzene	< 0.1	< 0.1	< 0.2	< 0.3
lindane (gamma-BHC)	< 0.1	< 0.1	< 0.2	< 0.3
heptachlor	< 0.1	< 0.1	< 0.2	< 0.3
aldrin-g	< 0.1	< 3	< 0.2	< 0.3
alpha-chlordane	< 0.1	< 0.1	< 0.2	< 0.3
dieldrin	< 0.1	< 0.1	< 0.2	< 0.3
p,p'-DDE	< 0.1	< 0.1	< 0.2	< 0.3
p,p'-DDD	< 0.2	< 0.2	< 0.04	< 0.05
p,p'DDT	< 0.2	< 0.2	< 0.3	< 0.4
Sum of DDTs	< 0.2	< 0.2	< 0.4	< 0.5
trichlorobutadienes-h	< 0.2	< 0.2	< 0.5	< 0.6
tetrachlorobutadienes-h	< 0.3	< 0.3	< 0.6	< 0.8
pentachlorobutadienes-h	< 0.2	< 0.2	< 0.4	< 0.5
hexachlorobutadiene-h	< 0.2	< 0.2	< 0.3	< 0.4
PCB Compounds (ug/kg or ppb)				
trichlorobiphenyls	< 0.2	< 0.2	< 0.5	< 0.6
tetrachlorobiphenyls	**1**	**2**	< 0.6	< 0.8
pentachlorobiphenyls	**1**	**0.5**	< 0.4	< 0.5
hexachlorobiphenyls	**0.9**	**0.4**	**0.4**	**0.6**
octachlorobiphenyls	< 0.1	< 0.1	< 0.1	< 0.2
nonachlorobiphenyls	< 0.1	< 0.1	< 0.1	< 0.2
Sum of PCBs	**3.0**	**3.0**	**0.4**	**0.6**
Other Semivolatile Organics (ug/kg or ppb)				
phenol	**13**	< 0.7	**7**	**8**
benzoic acid	< 6	**3**	< 0.7	**2**
2-methylphenol	< 4	< 2	< 3	< 3
4-methylphenol	< 2	< 1	< 1	< 1
2-methoxphenol	< 2	< 1	< 1	< 1
2,4-dimethylphenol	< 2	< 1	< 1	< 1
3,4,5-trichlorophenol	< 6	< **4**	< 6	< 5
4,5,6-trichloroguaiacol	< 6	< 4	< 6	< 5
pentachlorophenol	< 7	< 4	< 7	< 6
tetrachloroguaiacol	< 5	< 3	< 5	< 5
dibenzofuran	< 2	< 1	< 1	< 1
N-nitrosodiphenylamine	< 4	< 2	< 3	< 3
bis(2-ethylhexyl) phthalate	**5**	**21**	< 7	6
butyl benzyl phthalate	< 5	< 3	< 9	8
diethyl phthalate	< 3	< 2	< 3	2
dimethyl phthalate	< 3	< 2	< 3	3
di-n-butyl phthalate	**5**	**2**	< 2	2
di-n-octyl phthalate	< 2	< 1	< 5	4
Volatile Organics (ug/kg or ppb)				
trichloroethene	< 0.7	< 0.8	< 0.6	< 0.8
tetrachloroethene	< 0.5	< 0.6	< 0.5	< 0.7
ethelbenzene	< 0.9	< 0.9	< 0.9	< 1
total dichlorobenzenes	< 6	< 6	< 5	< 6
tatal xylenes	< 2	< 2	< 2	< 2
Heavy Metals (mg/kg)				
Antimony	1	1.1	1.7	1.7
Arsenic	12.4	12.3	9.99	8.53
Cadmium	0.087	0.11	0.124	0.123
Chromium	59	76	56	55
Copper	12	12	12	10.8
Lead	8.89	7.09	7.97	7.16
Mercury	0.02	0.02	< 0.016	< 0.016
Nickel	26.8	30.9	29.6	25.5
Silver	0.13	0.09	0.089	0.101
Tin	1.1	1.0	1.2	1.1
Zinc	40	54	46	43

Source: ThermoRetec. 1999. Remedial Investigation and Feasibility Study for Soils at Parcel 2 of the Former Scott Paper Company Mill Site, Anacortes, Washington. Prepared for Sun Systems, Anacortes, Washington. January 8.

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Cap Sante Waterway

Breakwater

Cap Sante Boat Haven

Rock Jetty

Inner Harbor Line

Seafarers' Way

MW-101

Parcel 3
Port of Anacortes

MW-105

Former Preload Location

Parcel 2
Northwest Educational Service District # 189

Former Preload Location

Fidalgo Bay

Park Building

MW-106

MW-111

Uplands Area

MW-110

Seafarers' Memorial Park

Dock

"Q" Avenue

"R" Avenue

Marine Area

Parcel 1
Port of Anacortes

MW-103

MW-109

MW-107

Former Smokestack

Subsurface Containment Wall

MW-112

MW-102

Temporary Turnaround Easement

MW-108

MW-104

Approximate Parcel Boundary

MJB Property

Base map source: Port of Anacortes June 2004

Legend

Existing Buildings

Monitoring Well Location

0 120 240

Scale in Feet

Port of Anacortes
Anacortes, Washington

Former Preload Location

Figure
A-1

LANDAU ASSOCIATES

Port of Anacortes | V:\529\009\314\D\Combined RI Report\Fig\A-1.dwg (A) "Figure A-1" 7/27/2006