Table 6-1

ON-SITE SOIL SAMPLE RESULTS
HOY'S MARINE
NEWPORT, OREGON

EPA Sample ID	99224263	99224264	99224250	99224251	99224252	99224253	99884254	99224255
START Sample ID	SS14SS	SS15SS	SS01SS	SS02SS	SS03SS	SS04SS	SS05SS	SS06SS
Depth	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Location	Background		Frmr. Waste Oil Tank Area			Frmr. Metal Shaving Area	Soil in Front of Main Shop	
VOCs (µg/kg)								
1,2,3-trimethylbenzene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
1,2-dichloroethene	5.1 U	6.5 U	NA	NA	NA	NA	1.7 U	3.1 U
1,3,5-trimethylbenzene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
1,4-dichlorobenzene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
1,2,4-trimethylbenzene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
ethyl benzene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
1,2-dimethyl benzene	2.5 U	3.2 U	NA	NA	NA	NA	**1.7**	1.6 U
p-isopropyltoluene	2.5 U	3.2 U	NA	NA	NA	NA	1.7 U	1.6 U
SVOCs (µg/kg)								
2-methylnaphthalene	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
4-methylphenol	170 U	268 U	123 U	**124 JQK**	144 U	239 U	127 U	124 U
acenaphthene	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
anthracene	170 U	268 U	123 U	132 U	144 U	**109 JH (10.9 AC)**	127 U	124 U
benz(a)anthracene	**409**	268 U	123 U	132 U	144 U	**265 JH (26.5 AC)**	127 U	124 U
benzo(a)pyrene	**482**	537 U	247 U	264 UJK	289 U	477 U	254 U	247 U
benzo(b)fluoranthene	**698**	268 U	123 U	132 U	144 U	239 U	127 U	124 U
benzo(g,h,I)perylene	**376**	268 U	123 U	**250**	144 U	**374 JH (37.4 AC)**	**223**	**219**
benzo(k)fluoranthene	**245**	268 U	123 U	132 U	144 U	239 U	127 U	124 U
benzoic acid	**1400**	1340 U	617 U	**880**	722 U	1190 U	634 U	618 U
benzyl alcohol	853 U	1340 U	617 U	661 U	722 U	1190 U	**310 JQK**	618 U
bis(2-ethylhexyl) phtha	**726 JQK** (853 U [a])	1340 U	**1610**	**2650**	**1650**	**5640 JH (564 AC)**	**7370**	**4030**
butyl benzyl phthalate	341 U	537 U	247 U	**280**	289 U	477 U	254 U	**409**
chrysene	600 U	268 U	123 U	**259**	**215**	**326 JH (32.6 AC)**	**285**	**224**
di-n-butylphthalate	389 U	268 U	123 U	**179**	144 U	**324 JH (32.4 AC)**	**138**	124 U
dibenzo[a,h]anthracene	341 U	537 U	247 U	264 U	289 U	477 U	254 U	247 U
dimethyl phthalate	170 U	268 U	123 U	**556**	144 U	239 U	**1170**	**224**
fluoranthene	**1200**	268 U	**123 JQK**	**480**	**216**	**904 JH (90.4 AC)**	**513**	**258**
fluorene	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
hexachlorocyclopentad	853 U	1340 U	671 U	661 U	722 U	1190 U	634 U	618 U
indeno[1,2,3-cd]pyrene	**618**	537 U	247 U	**379**	289 U	**609 JH (60.9 AC)**	**334**	**334**
Isophorone	170 U	268 U	**567**	**537**	144 U	**20100 JH (2010 AC)**	**1130**	**4690**
N-nitroso-di-n-propyla	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
n-nitrosodiphenylamine	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
naphthalene	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
naphthalene,1-methyl-	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U
pentachlorophenol	853 U	1340 U	617 U	661 U	722 U	1190 U	634 U	618 U
phenanthrene	**720**	268 U	23 U	**287**	**161**	**826 JH (82.6 AC)**	**256**	**118 JQK**
phenol	170 U	268 U	123 U	**498**	144 U	**857**	**371**	**302**
pyrene	**903**	268 U	**172**	**569**	**291**	**634 JH (63.4 AC)**	**556**	**459**
Retene	170 U	268 U	123 U	132 U	144 U	239 U	127 U	124 U

Key at the end of table.

Table 6-1

ON-SITE SOIL SAMPLE RESULTS
HOY'S MARINE
NEWPORT, OREGON

EPA Sample ID	99224263	99224264	99224250	99224251	99224252	99224253	99884254	99224255
START Sample ID	SS14SS	SS15SS	SS01SS	SS02SS	SS03SS	SS04SS	SS05SS	SS06SS
Depth	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Location	Background		Frmr. Waste Oil Tank Area			Frmr. Metal Shaving Area	Soil in Front of Main Shop	
Metals (mg/kg)								
Aluminum	**9770**	**12900**	**18000**	**20700**	**18200**	**11000**	**29400**	**26000**
Arsenic	**7.8**	**8.64**	**290**	**69.1**	**26.3**	**17**	**46.2**	**45.8**
Barium	**133**	**121**	**590**	**379**	**211**	**205**	**372**	**350**
Beryllium	0.45 U	**0.535**	**0.77**	**0.74**	**0.938**	**0.39**	**0.97**	**0.95**
Calcium	**4890**	**5510**	**132000**	**81600**	**46400**	**38800**	**105000**	**94400**
Chromium	**49.1**	**19.4**	**97.3**	**107**	**76.7**	**266**	**305**	**206**
Cobalt	**10.3**	**6.76**	**25.1**	**27.2**	**27.8**	**24.2**	**33**	**30**
Copper	**241**	**20.9**	**3870**	**2490**	**2450**	**2010**	**3500**	**3250**
Iron	**29400**	**23000**	**194000**	**107000**	**82900**	**221000**	**143000**	**132000**
Lead	**42.2**	**20**	**512**	**155**	**71.1**	**108**	**293**	**503**
Magnesium	**4720**	**2710**	**7950**	**12600**	**10800**	**6120**	**18000**	**16300**
Manganese	**392**	**503**	**755**	**1580**	**1560**	**1960**	**2610**	**2420**
Nickel	**16.1 JL (21.74 AC)**	**14.1**	**54.7 JL**	**105**	**53.9**	**442**	**213 JL**	**135 JL**
Potassium	**2380**	**2360**	**4480**	**2340**	**1840**	**1090**	**3020**	**2930**
Silver	0.4 U	0.4 U	**3.2**	2 U	0.4 U	0.4 U	**2.4**	2 U
Sodium	**362**	**590**	**498**	**657**	**688**	**442**	**1300**	**1450**
Vanadium	**52.2**	**28.9**	**57.5**	**68.5**	**90.7**	**33.4**	**91.4**	**84**
Zinc	**360**	**92**	**7660**	**2440**	**1610**	**2750**	**4310**	**5050**
PCBs (µg/kg)								
PCB 1254	**200**	34 U	NA	NA	NA	NA	**48**	**51**

Key at the end of table.

Table 6-1

ON-SITE SOIL SAMPLE RESULTS
HOY'S MARINE
NEWPORT, OREGON

EPA Sample ID	99224263	99224264	99224256	99224257	99224258	99224259	99224260	99224261	99224262
START Sample ID	SS14SS	SS15SS	SS07SS	SS08SS	SS09SS	SS10SS	SS11SS	SS12SS	SS13SS
Depth	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Location	Background		Paint Shed Area					Diesel AST	Grit Shed
VOCs (µg/kg)									
1,2,3-trimethylbenzene	2.5 U	3.2 U	4.9 U	**8.8**	6.6 U	2.6 U	2.7 U	NA	NA
1,2-dichloroethene	5.1 U	6.5 U	**9.7 JQK**	**62**	13.2 U	5.1 U	5.4 U	NA	NA
1,3,5-trimethylbenzene	2.5 U	3.2 U	4.9 U	**70.8**	6.6 U	2.6 U	2.7 U	NA	NA
1,4-dichlorobenzene	2.5 U	3.2 U	4.9 U	**13.6**	6.6 UJK	2.6 U	2.7 U	NA	NA
1,2,4-trimethylbenzene	2.5 U	3.2 U	4.9 U	**1.9 JQK**	6.6 U	2.6 U	2.7 U	NA	NA
ethyl benzene	2.5 U	3.2 U	4.9 U	**13.7**	6.6 U	2.6 U	2.7 U	NA	NA
1,2-dimethyl benzene	2.5 U	3.2 U	**8.4**	**40**	**10.2**	2.6 U	2.7 U	NA	NA
p-isopropyltoluene	2.5 U	3.2 U	4.9 U	**17.4**	6.6 U	2.6 U	2.7 U	NA	NA
SVOCs (µg/kg)									
2-methylnaphthalene	170 U	268 U	132 U	133 U	1770 U	166 U	176 U	**4000**	153 U
4-methylphenol	170 U	268 U	**865**	**398**	177 U	166 U	176 U	306 U	153 U
acenaphthene	170 U	268 U	132 U	133 U	**1730 JQK**	166 U	176 U	306 U	153 U
anthracene	170 U	268 U	**125 JQ**	133 U	**1480 JQK**	166 U	176 U	306 UJK	153 U
benz(a)anthracene	**409**	268 U	**836**	**1680**	**3290**	166 U	176 U	306 U	153 U
benzo(a)pyrene	**482**	537 U	**611**	**966**	**3850**	332 U	176 U	612 UJK	307 U
benzo(b)fluoranthene	**698**	268 U	**1080**	**1900**	1770 U	166 U	176 U	306 UJK	153 U
benzo(g,h,I)perylene	**376**	268 U	**490**	**864**	**3900**	166 U	176 U	306 UJK	153 U
benzo(k)fluoranthene	**245**	268 U	**392**	**708**	177 U	166 U	176 U	306 UJK	153 U
benzoic acid	**1400**	1340 U	662 U	664 U	8870 U	830 U	878 U	1530 U	767 U
benzyl alcohol	853 U	1340 U	662 U	664 U	**8870 JQK**	830 U	878 U	1530 U	767 U
bis(2-ethylhexyl) phtha	**726 JQK**	1340 U	**14600**	**11400**	**13700**	830 U	878 U	**13600**	**848**
butyl benzyl phthalate	341 U	537 U	265 U	**539**	3550 U	332 U	351 U	612 U	307 U
chrysene	600 U	268 U	**1220**	**1950**	**4140**	166 U	176 U	**637**	153 U
di-n-butylphthalate	389 U	268 U	**312**	133 U	1770 U	166 U	176 U	306 UJK	153 U
dibenzo[a,h]anthracene	341 U	537 U	**301**	**402**	3550 U	332 U	351 U	612 UJK	307 U
dimethyl phthalate	170 U	268 U	**179**	133 U	1770 U	166 U	176 U	306 U	153 U
fluoranthene	**1200**	268 U	**2070**	**3940**	**7040**	166 U	176 U	**1030 JH (103 AC)**	153 U
fluorene	170 U	268 U	132 U	133 U	1770 U	166 U	176 U	**4650**	153 U
hexachlorocyclopentad	853 U	1340 U	662 U	664 U	R	830 U	878 U	1530 U	767 U
indeno[1,2,3-cd]pyrene	**618**	537 U	**639**	**1040**	**5590**	332 U	351 U	612 UJK	307 U
Isophorone	170 U	268 U	**320**	133 U	1770 U	166 U	176 U	306 U	153 U
N-nitroso-di-n-propyla	170 U	268 U	132 U	133 U	1770 U	166 U	176 U	306 U	153 U
n-nitrosodiphenylamin	170 U	268 U	132 U	133 U	1770 U	166 U	176 U	306 UJK	153 U
naphthalene	170 U	268 U	**259**	133 U	1770 U	166 U	176 U	306 U	153 U
naphthalene,1-methyl-	170 U	268 U	132 U	133 U	1770 U	166 U	176 U	**5920**	153 U
pentachlorophenol	853 U	1340 U	662 U	664 U	R	830 U	878 U	1530 UJK	767 U
phenanthrene	**720**	268 U	**978**	133 U	**4870**	166 U	176 U	306 UJK	153 U
phenol	170 U	268 U	**239**	133 U	1770 U	166 U	176 U	306 U	153 U
pyrene	**903**	268 U	**1950**	**4560**	**9620**	166 U	176 U	**2410**	153 U
Retene	170 U	268 U	**132**	133 U	1770 U	166 U	176 U	306 U	153 U

Key at the end of table.

Table 6-1

ON-SITE SOIL SAMPLE RESULTS
HOY'S MARINE
NEWPORT, OREGON

EPA Sample ID	99224263	99224264	99224256	99224257	99224258	99224259	99224260	99224261	99224262
START Sample ID	SS14SS	SS15SS	SS07SS	SS08SS	SS09SS	SS10SS	SS11SS	SS12SS	SS13SS
Depth	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Location	Background		Paint Shed Area					Diesel AST	Grit Shed
Metals									
Aluminum	**9770**	**12900**	**23700**	**26000**	**26200**	**31000**	**27100**	**29200**	**17100**
Arsenic	**7.8**	**8.64**	**44**	**117**	**86.9 JH (49.9 AC)**	**7.24**	**7.18**	**67.9**	**10.2**
Barium	**133**	**121**	**383**	**503**	**421**	**43**	**44.3**	**425**	**95.4**
Beryllium	0.45 U	**0.535**	**0.68**	**0.86**	**0.78**	0.4 U	0.35 U	**0.96**	**0.67**
Calcium	**4890**	**5510**	**91900**	**112000**	**103000**	**535**	**3820**	**1E+05**	**13400**
Chromium	**49.1**	**19.4**	**164**	**70.6**	**241**	**28.7**	**31.6**	**102**	**21.6**
Cobalt	**10.3**	**6.76**	**30.4**	**35.8**	**40.8**	2 UJK	3.3 UJK	**38.2**	8.13 UJK
Copper	**241**	**20.9**	**11300**	**11100**	**5000**	**24.7**	**132**	**2320**	**691**
Iron	**29400**	**23000**	**109000**	**127000**	**150000**	**24200**	**27900**	**1E+05**	**31400**
Lead	**241**	**20**	**213**	**317**	**342**	**7.24**	**14**	**163**	**15**
Magnesium	**4720**	**2710**	**15200**	**15200**	**20300**	**2630**	**2750**	**17700**	**3230**
Manganese	**392**	**503**	**1860**	**1910**	**2110**	**80.7**	**145**	**2250**	**468**
Nickel	**16.1 JL (21.74 AC)**	**14.1**	**95.6 JL**	**42.9**	**120**	**14.7 JL**	**41.1**	**47.3 JL**	**10.4 JL**
Potassium	**2380**	**2360**	**2660**	**3340**	**3290**	**1010**	**781**	**3340**	**1050**
Silver	0.4 U	0.4 U	2 U	2 U	0.8 U	0.4 U	0.4 U	2 U	0.4 UJK
Sodium	**362**	**590**	**906**	**788**	**959**	**1070**	**540**	**1070**	**374**
Vanadium	**52.2**	**28.9**	**76.3**	**85.5**	**84.7**	**43**	**42.2**	**96.8**	**37.2**
Zinc	**360**	**92**	**6200**	**6280**	**3170**	**72.8**	**166**	**2540**	**134**
PCBs									
PCB 1254	**200**	34 U	**87**	**110**	**850**	21 U	22 U	NA	NA

Bold type indicates concentrations above sample quantitation limits or detection limits.
Underline indicates concentration above a comparison standard.

[a] - The associated vlaue is the adjusted Contract Required Quantitation Level.

Key:

AC = Adjusted concentration.
EPA = United States Environmental Protection Agency.
ID = Identification.
H = High bias.
J = The analyte was positively identified. The associated numerical value is an estimate.
K = Unknown bias.
L = Low bias.
NA = Not analyzed.
Q = The result is estimated because the concentration is below the Contract Required Quantitation Limits.
STAR′ = Superfund Technical Assessment and Response Team..
SVOC = Semivolatile organic compounds.
U = Volatile organic compound.
µg/kg = Micrograms per kilogram.