

**Table 3-1 - Surface Soil Samples  
Summary of Volatile Organic Constituent Results**

VHB Sample Designation	Units	PASS-01 (0-2)	PASS-02 (0-2)	PASS-03 (0-2)	PASS-04 (0-2)	PASS-05 (0-2)	PASS-06 (0-2)
Lab Sample Designation		A1680401	A1680402	A1680403	A1680404	A1680405	A1680406
Date Sampled		07/16/2001	07/16/2001	07/17/2001	07/17/2001	07/17/2001	07/17/2001
Benzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.002 J
Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.002 J
Total BTEX	mg/kg	ND	ND	ND	ND	ND	0.004

VHB Sample Designation	Units	PASS-07 (0-2)	PASS-08 (0-2)	PASS-09 (0-2)	PASS-10 (0-2)	PASS-10 (0-2) D	PASS-11 (0-2)
Lab Sample Designation		A1680407	A1684706	A1680408	A1684703	A1684704	A1680409
Date Sampled		07/17/2001	07/18/2001	07/16/2001	07/18/2001	07/18/2001	07/16/2001
Benzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Total BTEX	mg/kg	ND	ND	ND	ND	ND	ND

VHB Sample Designation	Units	PASS-12 (0-2)	PASS-14 (0-2)
Lab Sample Designation		A1680410	A1684708
Date Sampled		07/17/2001	07/18/2001
Benzene	mg/kg	0.005 U	0.005 U
Ethylbenzene	mg/kg	0.005 U	0.005 U
Toluene	mg/kg	0.005 U	0.005 U
Total Xylenes	mg/kg	0.015 U	0.015 U
Total BTEX	mg/kg	ND	ND

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

ND - Not Detected

Table 3-2 - Surface Soil Samples  
Summary of Semivolatile Organic Constituent Results

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASS-01 (0-2) A1680401 07/16/2001	PASS-02 (0-2) A1680402 07/16/2001	PASS-03 (0-2) A1680403 07/17/2001	PASS-04 (0-2) A1680404 07/17/2001	PASS-05 (0-2) A1680405 07/17/2001	PASS-06 (0-2) A1680406 07/17/2001
2-Methylnaphthalene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Acenaphthene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Acenaphthylene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Anthracene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Benzo(g,h)perylene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Dibenzofuran	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Fluoranthene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Fluorene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Naphthalene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Phenanthrene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Pyrene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Benzo(a)anthracene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Benzo(a)pyrene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Benzo(b)fluoranthene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Benzo(k)fluoranthene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Chrysene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Dibenzo(a,h)anthracene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Indeno(1,2,3-cd)pyrene	mg/kg	1.5 U	1.3 U	0.33 U	0.33 U	0.33 U	0.92 U
Total CPAHS	mg/kg	ND	ND	ND	ND	ND	ND
Total PAHS	mg/kg	ND	ND	ND	ND	ND	ND

Table 3-2 - Surface Soil Samples (Continued)  
 Summary of Semivolatile Organic Constituent Results

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASS-07 (0-2) A1680407 07/17/2001	PASS-08 (0-2) A1684706 07/18/2001	PASS-09 (0-2) A1680408 07/16/2001	PASS-10 (0-2) A1684703 07/18/2001	PASS-10 (0-2) D A1684704 07/18/2001	PASS-11 (0-2) A1680409 07/16/2001
2-Methylnaphthalene	mg/kg	0.33 U	0.42 U	0.33 U	0.33 U	0.33 U	0.35 U
Acenaphthene	mg/kg	0.33 U	0.42 U	0.33 U	0.33 U	0.33 U	0.35 U
Acenaphthylene	mg/kg	0.33 U	0.42 U	0.33 U	0.33 U	0.33 U	0.35 U
Anthracene	mg/kg	0.33 U	0.42 U	0.33 U	0.33 U	0.33 U	0.35 U
Benzo(g,h)perylene	mg/kg	0.33 U	1.1	0.41	0.33 U	0.33 U	0.35 U
Dibenzofuran	mg/kg	0.33 U	1	0.33 U	0.33 U	0.33 U	0.35 U
Fluoranthene	mg/kg	0.33 U	1.8	1.2	0.33 U	0.33 U	0.47
Fluorene	mg/kg	0.33 U	0.59	0.33 U	0.33 U	0.33 U	0.35 U
Naphthalene	mg/kg	0.33 U	0.42 U	0.33 U	0.33 U	0.33 U	0.35 U
Phenanthrene	mg/kg	0.33 U	1.4	0.36	0.33 U	0.33 U	0.35 U
Pyrene	mg/kg	0.33 U	0.42 U	1.5	0.33 U	0.33 U	0.34 J
<i>Benzo(a)anthracene</i>	mg/kg	0.33 U	0.42 U	0.78	0.33 U	0.33 U	0.35 U
<i>Benzo(a)pyrene</i>	mg/kg	0.33 U	2.5	0.92	0.33 U	0.33 U	0.35 U
<i>Benzo(b)fluoranthene</i>	mg/kg	0.33 U	0.42 U	0.82	0.33 U	0.33 U	0.22 J
<i>Benzo(k)fluoranthene</i>	mg/kg	0.33 U	0.52	0.56	0.33 U	0.33 U	0.35 U
Chrysene	mg/kg	0.33 U	0.42 U	1.1	0.33 U	0.33 U	0.35 U
<i>Dibenzo(a,h)anthracene</i>	mg/kg	0.33 U	1.3	0.33 U	0.33 U	0.33 U	0.35 U
<i>Indeno(1,2,3-cd)pyrene</i>	mg/kg	0.33 U	2.1	0.35	0.33 U	0.33 U	0.35 U
<b>Total CPAHS</b>	mg/kg	ND	6.42	4.53	ND	ND	0.22
<b>Total PAHS</b>	mg/kg	ND	12.31	8	ND	ND	1.03

Table 3-2 - Surface Soil Samples (Continued)  
 Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASS-12 (0-2)	PASS-14 (0-2)
Lab Sample Designation		A1680410	A1684708
Date Sampled		07/17/2001	07/18/2001
2-Methylnaphthalene	mg/kg	0.69 U	0.9 U
Acenaphthene	mg/kg	0.6 U	0.9 U
Acenaphthylene	mg/kg	0.69 U	3.4
Anthracene	mg/kg	3	1.7
Benzo(a)perylene	mg/kg	1.9	23
Dibenzofuran	mg/kg	0.69 U	26
Fluoranthene	mg/kg	21	36
Fluorene	mg/kg	0.74	11
Naphthalene	mg/kg	0.69 U	28
Phenanthrene	mg/kg	12	32
Pyrene	mg/kg	17	7.3
<i>Benzo(a)anthracene</i>	<i>mg/kg</i>	<i>8.3</i>	<i>0.9 U</i>
<i>Benzo(a)pyrene</i>	<i>mg/kg</i>	<i>6.3</i>	<i>26</i>
<i>Benzo(b)fluoranthene</i>	<i>mg/kg</i>	<i>5.4</i>	<i>0.9 U</i>
<i>Benzo(k)fluoranthene</i>	<i>mg/kg</i>	<i>5</i>	<i>13</i>
<i>Chrysene</i>	<i>mg/kg</i>	<i>11</i>	<i>0.9 U</i>
<i>Dibenz(a,h)anthracene</i>	<i>mg/kg</i>	<i>0.81</i>	<i>0.9 U</i>
<i>Indeno(1,2,3-cd)pyrene</i>	<i>mg/kg</i>	<i>0.69 U</i>	<i>43</i>
<b>Total CPAHs</b>	<b>mg/kg</b>	<b>36.81</b>	<b>82</b>
<b>Total PAHs</b>	<b>mg/kg</b>	<b>93.05</b>	<b>250.4</b>

Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).

PAHs - Polycyclic Aromatic Hydrocarbons

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

ND - Not Detected

**Table 3-3 - Surface Soil Samples  
Summary of Inorganic Constituent Results**

VHB Sample Designation	Units	PASS-01 (0-2)	PASS-02 (0-2)	PASS-03 (0-2)	PASS-04 (0-2)	PASS-05 (0-2)	PASS-06 (0-2)	PASS-07 (0-2)
Lab Sample Designation		A1680401	A1680402	A1680403	A1680404	A1680405	A1680406	A1680407
Date Sampled		07/16/2001	07/16/2001	07/17/2001	07/17/2001	07/17/2001	07/17/2001	07/17/2001
Arsenic - Total	mg/kg	1.2	2	2.6	4	3	2.4	3.1
Barium - Total	mg/kg	30.2	33.2	28.4	38.9	47.9	48.8	105
Cadmium - Total	mg/kg	0.57 U	2	2.5	1.6	1.4	4.8	1.5
Chromium - Total	mg/kg	3.8	12.6	5.6	12.9	10.7	12.4	11.4
Lead - Total	mg/kg	106	79.9	26.8	33	42.2	49.6	73.9
Mercury - Total	mg/kg	0.1 U	0.1 U	0.1 U	0.12 U	0.11 U	0.14 U	0.3
Selenium - Total	mg/kg	3.4 U	3.1 U	3.4 U	3.5 U	3.6 U	4.1 U	3.3 U
Silver - Total	mg/kg	1.1 U	1 U	2.6	1.2 U	1.2 U	1.4 U	1.1 U
Cyanide - Total	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

  

VHB Sample Designation	Units	PASS-08 (0-2)	PASS-09 (0-2)	PASS-10 (0-2)	PASS-10 (0-2) D	PASS-11 (0-2)	PASS-12 (0-2)	PASS-14 (0-2)
Lab Sample Designation		A1684706	A1680408	A1684703	A1684704	A1680409	A1680410	A1684708
Date Sampled		07/18/2001	07/16/2001	07/18/2001	07/18/2001	07/16/2001	07/17/2001	07/18/2001
Arsenic - Total	mg/kg	6.9	6.8	1.2	1.4	2.4	35.3	9.4
Barium - Total	mg/kg	233	44.4	12.4	15.5	54.7	218	37
Cadmium - Total	mg/kg	1.1	0.51 U	0.55 U	0.59 U	1.4	3.2	0.84 U
Chromium - Total	mg/kg	18.9	5.4	4.1	4.5	6.3	33.6	7.6
Lead - Total	mg/kg	196	76.4	30.4	47.2	86.6	977	121
Mercury - Total	mg/kg	0.75	0.1 U	0.1 U	0.1 U	0.13 U	0.88	0.17
Selenium - Total	mg/kg	4.9 U	3.1 U	3.3 U	3.6 U	3.8 U	7.7 U	5 U
Silver - Total	mg/kg	1.6 U	1 U	1.1 U	1.2 U	1.3 U	2.6 U	1.7 U
Cyanide - Total	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

mg/kg - Milligrams Per Kilogram

U - Indicates element was analyzed for, but not detected.

**Table 3-4 - Subsurface Soil Samples  
Summary of Volatile Organic Constituent Results**

VHB Sample Designation	Units	PASB-01 (8-10)	PASB-02 (4-6)	PASB-03 (0.5-2)	PASB-03 (4-6)	PASB-04 (4-6)	PASB-05 (5-7)
Lab Sample Designation		A1680411	A1680415	A1680412	A1684701	A1680413DL	A1680414
Date Sampled		07/16/2001	07/17/2001	07/17/2001	07/18/2001	07/17/2001	07/17/2001
Benzene	mg/kg	0.005 U	0.001 BJ	0.006 B	0.013 B	0.27 DJ	0.002 J
Ethylbenzene	mg/kg	0.005 U	0.003 J	0.016	0.005 U	26 D	0.066
Toluene	mg/kg	0.005 U	0.002 J	0.005	0.014	3.5 D	0.005
Total Xylenes	mg/kg	0.015 U	0.004 J	0.006 J	0.002 J	41 D	0.08
Total BTEX	mg/kg	ND	0.01	0.033	0.029	70.77	0.153

VHB Sample Designation	Units	PASB-06 (3.5-5.5)	PASB-07 (9.0-10.5)	PASB-08 (6-10)	PASB-08 (6-10) D	PASB-09 (4-6)	PASB-10 (2-4)
Lab Sample Designation		A1680416DL	A1680417	A1684702	A1684707	A1680418	A1684705
Date Sampled		07/17/2001	07/17/2001	07/18/2001	07/18/2001	07/17/2001	07/18/2001
Benzene	mg/kg	0.013 D	0.001 BJ	0.005 U	0.005 U	0.003 BJ	0.005 U
Ethylbenzene	mg/kg	0.53 D	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	0.012 D	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.74 D	0.004 J	0.015 U	0.016 U	0.015 U	0.015 U
Total BTEX	mg/kg	1.295	0.008	ND	ND	0.003	ND

VHB Sample Designation	Units	PASB-11 (2-5)	PASB-12 (0.5-4)	PASB-14 (0.5-2)	PASB-15 (2-4)
Lab Sample Designation		A1680419	A1684709	A1684713	A1684714
Date Sampled		07/17/2001	07/18/2001	07/18/2001	07/18/2001
Benzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.015 U	0.015 U	0.015 U	0.015 U
Total BTEX	mg/kg	ND	ND	ND	ND

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

B - Analyte was found in the sample as well as the associated blank.

D - Compounds identified in an analysis at a secondary dilution factor.

ND - Not Detected

Table 3-5 - Subsurface Soil Samples  
Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASB-01 (8-10)	PASB-02 (4-6)	PASB-03 (0.5-2)	PASB-03 (4-6)	PASB-04 (4-6)	PASB-05 (5-7)
Lab Sample Designation		A1680411	A1680415	A1680412	A1684701	A1680413DL	A1680414DL
Date Sampled		07/16/2001	07/17/2001	07/17/2001	07/18/2001	07/17/2001	07/17/2001
2-Methylnaphthalene	mg/kg	0.33 U	0.33 U	3.2 U	0.33 U	42 D	21 D
Acenaphthene	mg/kg	0.33 U	0.33 U	3.2 U	0.33 U	46 D	94 D
Acenaphthylene	mg/kg	0.33 U	0.37	3.2 U	0.33 U	8.3 D	17 D
Anthracene	mg/kg	0.025 J	0.3 J	3.2 U	0.17 J	160 D	210 D
Benzo(ghi)perylene	mg/kg	0.026 J	2.3	2.1 J	1.1	16 D	16 D
Dibenzofuran	mg/kg	0.33 U	0.33 U	3.2 U	1.9	2.6 D	6 D
Fluoranthene	mg/kg	0.098 J	4.6	4.3	1.7	92 D	200 D
Fluorene	mg/kg	0.33 U	0.33 U	3.2 U	0.71	38 D	100 D
Naphthalene	mg/kg	0.33 U	0.33 U	3.2 U	1.6	95 D	49 D
Phenanthrene	mg/kg	0.024 J	0.69	3.2 U	1.6	100 D	440 D
Pyrene	mg/kg	0.084 J	5.8	6.7	0.2 J	120 D	250 D
Benzo(a)anthracene	mg/kg	0.051 J	3.8	4.4	0.33 U	41 D	84 D
Benzo(a)pyrene	mg/kg	0.059 J	3.7	3.7	1.4	34 D	61 D
Benzo(b)fluoranthene	mg/kg	0.14 J	6	10	0.33 U	18 D	25 D
Benzo(k)fluoranthene	mg/kg	0.33 U	0.33 U	3.2 U	0.69	25 D	42 D
Chrysene	mg/kg	0.091 J	5.8	7.3	0.33 U	58 D	140 D
Dibenzo(a,h)anthracene	mg/kg	0.33 U	0.51	3.2 U	0.71	5 D	3.7 D
Indeno(1,2,3-cd)pyrene	mg/kg	0.028 J	1.9	3.2 U	1.6	14 D	14 D
Total CPAHs	mg/kg	0.369	21.71	25.4	4.4	195	369.7
Total PAHs	mg/kg	0.626	35.77	38.5	13.38	914.9	1772.7

Table 3-5 - Subsurface Soil Samples (Continued)  
 Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASB-06 (3.5-5.5)	PASB-07 (9.0-10.5)	PASB-08 (6-10)	PASB-08 (6-10) D	PASB-09 (4-6)	PASB-10 (2-4)
Lab Sample Designation		A1680416	A1680417DL	A1684702	A1684707	A1680418	A1684705
Date Sampled		07/17/2001	07/17/2001	07/18/2001	07/18/2001	07/17/2001	07/18/2001
2-Methylnaphthalene	mg/kg	3.8	1 D	0.33 U	0.33 U	0.36 U	0.33 U
Acenaphthene	mg/kg	2.6	13 D	0.33 U	0.33 U	0.36 U	0.33 U
Acenaphthylene	mg/kg	1	0.33 U	0.33 U	0.33 U	0.36 U	0.33 U
Anthracene	mg/kg	2.1	0.46 D	0.33 U	0.33 U	0.36 U	0.33 U
Benzo(g,h)perylene	mg/kg	2.4	0.33 U	0.55	0.89	0.36 U	0.14 J
Dibenzofuran	mg/kg	0.33 U	0.46 D	0.55	1	0.36 U	0.13 J
Fluoranthene	mg/kg	9.9	0.29 DJ	0.94	0.85	0.48	0.26 J
Fluorene	mg/kg	1.6	3.8 D	0.34	0.79	0.69	0.33 U
Naphthalene	mg/kg	16	1.4 D	0.33 U	0.81	0.36 U	0.33 U
Phenanthrene	mg/kg	5	8.2 D	0.74	1.2	0.23 J	0.24 J
Pyrene	mg/kg	13	0.33 D	0.33 U	0.16 J	0.56	0.33 U
Benzo(a)anthracene	mg/kg	5.1	0.33 U	0.33 U	0.33 U	0.36 U	0.33 U
Benzo(a)pyrene	mg/kg	5.6	0.33 U	1	1.4	0.36 U	0.27 J
Benzo(b)fluoranthene	mg/kg	6.8	0.33 U	0.33 U	0.33 U	0.36 U	0.33 U
Benzo(k)fluoranthene	mg/kg	0.33 U	0.33 U	0.25 J	0.59	0.36 U	0.33 U
Chrysene	mg/kg	7.6	0.33 U	0.33 U	0.33 U	0.36 U	0.33 U
Dibenz(a,h)anthracene	mg/kg	0.66	0.33 U	0.4	0.59	0.36 U	0.33 U
Indeno(1,2,3-cd)pyrene	mg/kg	1.9	0.33 U	1	1.5	0.36 U	0.3 J
Total CPAHs	mg/kg	27.66	ND	2.65	4.08	ND	0.57
Total PAHs	mg/kg	85.06	28.94	5.77	9.78	1.96	1.34



Table 3-5 - Subsurface Soil Samples (Continued)  
 Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASB-11 (2-5)	PASB-12 (0.5-4)	PASB-14 (0.5-2)	PASB-15 (2-4)
Lab Sample Designation		A1680419	A1684709	A1684713	A1684714
Date Sampled		07/17/2001	07/18/2001	07/18/2001	07/18/2001
2-Methylnaphthalene	mg/kg	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	0.24 J	0.33 U	0.33 U	0.33 U
Acenaphthylene	mg/kg	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	mg/kg	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(ghi)perylene	mg/kg	0.33 U	0.18 J	2.1	0.33 U
Dibenzofuran	mg/kg	0.33 U	0.13 J	1.6	0.33 U
Fluoranthene	mg/kg	0.63	0.49	1.9	0.33 U
Fluorene	mg/kg	0.33 U	0.33 U	1.2	0.33 U
Naphthalene	mg/kg	0.33 U	0.33 U	1.6	0.33 U
Phenanthrene	mg/kg	0.26 J	0.32 J	2.8	0.33 U
Pyrene	mg/kg	0.62	0.33 U	0.38	0.33 U
Benzo(a)anthracene	mg/kg	0.26 J	0.33 U	0.33 U	0.33 U
Benzo(a)pyrene	mg/kg	0.17 J	0.29 J	2.4	0.33 U
Benzo(b)fluoranthene	mg/kg	0.33 U	0.33 U	0.33 U	0.33 U
Benzo(k)fluoranthene	mg/kg	0.24 J	0.33 U	1.1	0.33 U
Chrysene	mg/kg	0.28 J	0.33 U	0.33 U	0.33 U
Dibenz(a,h)anthracene	mg/kg	0.33 U	0.33 U	0.74	0.33 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.33 U	0.27 J	3.4	0.33 U
Total CPAHS	mg/kg	0.95	0.56	7.64	ND
Total PAHS	mg/kg	2.7	1.68	19.22	ND

Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).

PAHS - Polycyclic Aromatic Hydrocarbons

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

D - Compounds identified in an analysis at a secondary dilution factor.

ND - Not Detected

**Table 3-6 - Subsurface Soil Samples  
Summary of Inorganic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASB-01 (8-10) A1680411 07/16/2001	PASB-02 (4-6) A1680415 07/17/2001	PASB-03 (0.5-2) A1680412 07/17/2001	PASB-03 (4-6) A1684701 07/18/2001	PASB-04 (4-6) A1680413 07/17/2001	PASB-05 (5-7) A1680414 07/17/2001
Arsenic - Total	mg/kg	1.7	1.2 U	10.6	2.4	2.1	41.5
Barium - Total	mg/kg	17.2	5.9	122	6.3	10.8	21.4
Cadmium - Total	mg/kg	0.49 U	0.59 U	0.63 U	0.59 U	0.58 U	2.2
Chromium - Total	mg/kg	5	2.4 U	6.1	4.9	5	3.8
Lead - Total	mg/kg	40.7	9.1	269	22.4	30.7	242
Mercury - Total	mg/kg	0.1 U	0.11 U	0.42	0.1 U	0.12 U	0.21
Selenium - Total	mg/kg	3 U	3.5 U	3.8 U	3.5 U	3.5 U	4
Silver - Total	mg/kg	0.99 U	1.2 U	1.3 U	1.2 U	1.2 U	1.3 U
Cyanide - Total	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

  

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASB-06 (3.5-5.5) A1680416 07/17/2001	PASB-07 (9.0-10.5) A1680417 07/17/2001	PASB-08 (6-10) A1684702 07/18/2001	PASB-08 (6-10) D A1684707 07/18/2001	PASB-09 (4-6) A1680418 07/17/2001	PASB-10 (2-4) A1684705 07/18/2001
Arsenic - Total	mg/kg	3.3	1.2 U	2.2	7	31.6	5.6
Barium - Total	mg/kg	6.6	1.8	98.6	78.4	98.5	102
Cadmium - Total	mg/kg	0.58 U	0.62 U	0.65 U	0.63 U	3.2	0.66 U
Chromium - Total	mg/kg	3.1	6.8	5	11	33.8	26.2
Lead - Total	mg/kg	12.4	6.2 U	105	123	318	778
Mercury - Total	mg/kg	0.21	0.12 U	0.36	0.28	1.8	14.8
Selenium - Total	mg/kg	3.4 U	3.7 U	3.9 U	3.8 U	8.2 U	4 U
Silver - Total	mg/kg	1.2 U	1.2 U	1.3 U	1.2 U	2.8 U	1.3 U
Cyanide - Total	mg/kg	3.2	0.5 U	0.5 U	0.5 U	9.4	0.5 U

**Table 3-6 - Subsurface Soil Samples (Continued)**  
**Summary of Inorganic Constituent Results**

VHB Sample Designation	Units	PASB-11 (2-5)	PASB-12 (0.5-4)	PASB-14 (0.5-2)	PASB-15 (2-4)
Lab Sample Designation		A1680419	A1684709	A1684713	A1684714
Date Sampled		07/17/2001	07/18/2001	07/18/2001	07/18/2001
Arsenic - Total	mg/kg	15.8	5.3	2.6	1.2 U
Barium - Total	mg/kg	83.4	25.6	460	3.7
Cadmium - Total	mg/kg	2.4	0.71 U	0.68	0.59 U
Chromium - Total	mg/kg	19.6	3.4	5	2.4 U
Lead - Total	mg/kg	631	21.3	115	5.9 U
Mercury - Total	mg/kg	0.12 U	0.14 U	0.17	0.12 U
Selenium - Total	mg/kg	4 U	4.2 U	3.3 U	3.5 U
Silver - Total	mg/kg	1.4 U	1.4 U	1.1 U	1.2 U
Cyanide - Total	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U

mg/kg - Milligrams Per Kilogram

U - Indicates element was analyzed for, but not detected.

**Table 3-7 - Groundwater Samples  
Summary of Volatile Organic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PAGP-01 A1692302 07/19/2001	PAGP-02 A1692303 07/19/2001	PAGP-03 A1692301 07/19/2001	PAGP-04 A1692312 07/20/2001	PAGP-05 A1692304 07/19/2001	PAGP-06 A1692313 07/20/2001
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	ug/L	15 U	15 U	15 U	15 U	15 U	15 U
<b>Total BTEX</b>	<b>ug/L</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

ug/L - Micrograms Per Liter

U - Indicates compound was analyzed for, but not detected.

ND - Not Detected

**Table 3-8 - Groundwater Samples  
Summary of Semivolatile Organic Constituent Results**

VHB Sample Designation	Units	PAGP-01	PAGP-02	PAGP-03	PAGP-04	PAGP-05	PAGP-06
Lab Sample Designation		A1692302	A1692303	A1692301	A1692312	A1692304	A1692313
Date Sampled		07/19/2001	07/19/2001	07/19/2001	07/20/2001	07/19/2001	07/20/2001
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	ug/L	10 U	10 U	4 J	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
<i>Benzo(a)anthracene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(a)pyrene</i>	<i>ug/L</i>	<i>10 U</i>	<i>1 J</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(b)fluoranthene</i>	<i>ug/L</i>	<i>10 U</i>	<i>0.7 J</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(k)fluoranthene</i>	<i>ug/L</i>	<i>10 U</i>	<i>1 J</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Chrysene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Dibenz(a,h)anthracene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Indeno(1,2,3-cd)pyrene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<b>Total CPAHs</b>	<b>ug/L</b>	<b>ND</b>	<b>3</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Total PAHs</b>	<b>ug/L</b>	<b>ND</b>	<b>3</b>	<b>4</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>

*Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).*

PAHs - Polycyclic Aromatic Hydrocarbons

ug/L - Micrograms Per Liter

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

ND - Not Detected

Table 3-9 - Groundwater Samples  
Summary of Inorganic Constituent Results

VHB Sample Designation	Units	PAGP-01	PAGP-02	PAGP-03	PAGP-04	PAGP-05	PAGP-06
Lab Sample Designation		A1692302	A1692303	A1692301	A1692312	A1692304	A1692313
Date Sampled		07/19/2001	07/19/2001	07/19/2001	07/20/2001	07/19/2001	07/20/2001
Arsenic - Total	ug/L	7 U	12	7.4	7 U	17	7 U
Barium - Total	ug/L	32	230	270	190	7.7	120
Cadmium - Total	ug/L	1 U	1	1 U	1 U	1 U	1 U
Chromium - Total	ug/L	2 U	11	2 U	7.3	2.2	2 U
Lead - Total	ug/L	10 U	77	12	55	10 U	10 U
Mercury - Total	ug/L	0.2 U	0.2 U	0.2 U	0.34	0.2 U	0.2 U
Selenium - Total	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Silver - Total	ug/L	3 U	3 U	3 U	3 U	3 U	3 U
Cyanide - Total	ug/L	5 U	5 U	18	5 U	5 U	5 U

ug/L - Micrograms Per Liter

U - Indicates element was analyzed for, but not detected.

Table 3-10 - PAGP-07 Sample Results

VHB Sample Designation	Units	PAGP-07
Lab Sample Designation		A1685506
Date Sampled		07/18/2001
<b>TCL Volatile Organic Constituents (Method 8260)</b>		
1,1,1-Trichloroethane	ug/L	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U
1,1,2-Trichloroethane	ug/L	5 U
1,1-Dichloroethane	ug/L	5 U
1,1-Dichloroethene	ug/L	5 U
1,2-Dichloroethane	ug/L	5 U
1,2-Dichloroethene (Total)	ug/L	1.1 J
1,2-Dichloropropane	ug/L	5 U
2-Butanone	ug/L	10 U
2-Hexanone	ug/L	10 U
4-Methyl-2-pentanone	ug/L	10 U
Acetone	ug/L	25 U
Benzene	ug/L	5 U
Bromodichloromethane	ug/L	5 U
Bromoform	ug/L	5 U
Bromomethane	ug/L	10 U
Carbon Disulfide	ug/L	5 U
Carbon Tetrachloride	ug/L	5 U
Chlorobenzene	ug/L	5 U
Chloroethane	ug/L	10 U
Chloroform	ug/L	5 U
Chloromethane	ug/L	10 U
cis-1,3-Dichloropropene	ug/L	5 U
Dibromochloromethane	ug/L	5 U
Ethylbenzene	ug/L	5 U
Methylene chloride	ug/L	5 U
Styrene	ug/L	5 U
Tetrachloroethene	ug/L	3.1 J
Toluene	ug/L	5 U
Total Xylenes	ug/L	15 U
trans-1,3-Dichloropropene	ug/L	5 U
Trichloroethene	ug/L	2.3 J
Vinyl acetate	ug/L	10 U
Vinyl chloride	ug/L	5 U
<b>Total VOCs</b>	<b>ug/L</b>	<b>7</b>

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

PAHs - Polycyclic Aromatic Hydrocarbons

Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).

ug/L - Micrograms Per Liter

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

ND - Not Detected

VHB Sample Designation	Units	PAGP-07
Lab Sample Designation		A1685506
Date Sampled		07/18/2001
<b>TCL Polychlorinated Biphenyls (Method 8082)</b>		
Aroclor 1016	ug/L	0.5 U
Aroclor 1221	ug/L	0.5 U
Aroclor 1232	ug/L	0.5 U
Aroclor 1242	ug/L	0.5 U
Aroclor 1248	ug/L	0.5 U
Aroclor 1254	ug/L	0.5 U
Aroclor 1260	ug/L	0.5 U
<b>TCL Pesticides (Method 8081)</b>		
4,4'-DDD	ug/L	0.05 U
4,4'-DDE	ug/L	0.05 U
4,4'-DDT	ug/L	0.05 U
Aldrin	ug/L	0.05 U
alpha-BHC	ug/L	0.05 U
beta-BHC	ug/L	0.05 U
Chlordane	ug/L	0.5 U
delta-BHC	ug/L	0.05 U
Dieldrin	ug/L	0.05 U
Endosulfan I	ug/L	0.05 U
Endosulfan II	ug/L	0.05 U
Endosulfan Sulfate	ug/L	0.05 U
Endrin	ug/L	0.05 U
Endrin aldehyde	ug/L	0.05 U
gamma-BHC (Lindane)	ug/L	0.05 U
Heptachlor	ug/L	0.05 U
Heptachlor epoxide	ug/L	0.05 U
Methoxychlor	ug/L	0.05 U
Toxaphene	ug/L	1 U
<b>Total Metals</b>		
Arsenic - Total	ug/L	7 U
Barium - Total	ug/L	52
Cadmium - Total	ug/L	1 U
Chromium - Total	ug/L	2 U
Lead - Total	ug/L	10 U
Mercury - Total	ug/L	0.2 U
Selenium - Total	ug/L	10 U
Silver - Total	ug/L	3 U
Cyanide - Total	ug/L	5 U

VHB Sample Designation	Units	PAGP-07
Lab Sample Designation		A1685506
Date Sampled		07/18/2001
<b>TCL Semivolatile Organic Constituents (Method 8270)</b>		
1,2,4-Trichlorobenzene	ug/L	10 U
1,2-Dichlorobenzene	ug/L	10 U
1,3-Dichlorobenzene	ug/L	10 U
1,4-Dichlorobenzene	ug/L	10 U
2,2'-Oxybis(1-Chloropropane)	ug/L	10 U
2,4,5-Trichlorophenol	ug/L	10 U
2,4,6-Trichlorophenol	ug/L	10 U
2,4-Dichlorophenol	ug/L	10 U
2,4-Dimethylphenol	ug/L	10 U
2,4-Dinitrophenol	ug/L	50 U
2,4-Dinitrotoluene	ug/L	10 U
2,6-Dinitrotoluene	ug/L	10 U
2-Chloronaphthalene	ug/L	10 U
2-Chlorophenol	ug/L	10 U
2-Methylnaphthalene	ug/L	10 U
2-Methylphenol	ug/L	10 U
2-Nitroaniline	ug/L	50 U
2-Nitrophenol	ug/L	10 U
3,3'-Dichlorobenzidine	ug/L	20 U
3-Nitroaniline	ug/L	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U
4-Bromophenyl phenyl ether	ug/L	10 U
4-Chloro-3-methylphenol	ug/L	10 U
4-Chloroaniline	ug/L	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U
4-Methylphenol	ug/L	10 U
4-Nitroaniline	ug/L	50 U
4-Nitrophenol	ug/L	50 U
Acenaphthene	ug/L	10 U
Acenaphthylene	ug/L	10 U
Anthracene	ug/L	10 U
Benzo(g,h,i)perylene	ug/L	10 U
Benzoic acid	ug/L	50 U
Benzyl alcohol	ug/L	20 U
Bis(2-chloroethoxy) methane	ug/L	10 U
Bis(2-chloroethyl) ether	ug/L	10 U
Bis(2-ethylhexyl) phthalate	ug/L	10 U
Butyl benzyl phthalate	ug/L	10 U
Di-n-butyl phthalate	ug/L	10 U
Di-n-octyl phthalate	ug/L	10 U
Dibenzofuran	ug/L	10 U
Diethyl phthalate	ug/L	10 U
Dimethyl phthalate	ug/L	10 U
Fluoranthene	ug/L	10 U
Fluorene	ug/L	10 U
Hexachlorobenzene	ug/L	10 U
Hexachlorobutadiene	ug/L	10 U
Hexachlorocyclopentadiene	ug/L	10 U
Hexachloroethane	ug/L	10 U
Isophorone	ug/L	10 U
N-Nitroso-Di-n-propylamine	ug/L	10 U
N-nitrosodiphenylamine	ug/L	10 U
Naphthalene	ug/L	10 U
Nitrobenzene	ug/L	10 U
Pentachlorophenol	ug/L	50 U
Phenanthrene	ug/L	10 U
Phenol	ug/L	10 U
Pyrene	ug/L	10 U
<i>Benzo(a)anthracene</i>	ug/L	10 U
<i>Benzo(a)pyrene</i>	ug/L	10 U
<i>Benzo(b)fluoranthene</i>	ug/L	10 U
<i>Benzo(k)fluoranthene</i>	ug/L	10 U
<i>Chrysene</i>	ug/L	10 U
<i>Dibenzo(a,h)anthracene</i>	ug/L	10 U
<i>Indeno(1,2,3-cd)pyrene</i>	ug/L	10 U
<b>Total CPAHs</b>	<b>ug/L</b>	<b>ND</b>
<b>Total SVOCs</b>	<b>ug/L</b>	<b>ND</b>

**Table 3-11 - Surface Water Samples  
Summary of Volatile Organic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASW-01 A1685505 07/18/2001	PASW-02 A1685504 07/18/2001	PASW-03 A1685501 07/18/2001	PASW-04 A1685502 07/18/2001	PASW-04 D A1685503 07/18/2001
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U
Total Xylenes	ug/L	15 U	15 U	15 U	15 U	15 U
<b>Total BTEX</b>	<b>ug/L</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

ug/L - Micrograms Per Liter

U - Indicates compound was analyzed for, but not detected.

ND - Not Detected



Table 3-12 - Surface Water Samples  
Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASW-01	PASW-02	PASW-03	PASW-04	PASW-04 D
Lab Sample Designation		A1685505	A1685504	A1685501	A1685502	A1685503
Date Sampled		07/18/2001	07/18/2001	07/18/2001	07/18/2001	07/18/2001
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	ug/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U
<i>Benzo(a)anthracene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(a)pyrene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(b)fluoranthene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Benzo(k)fluoranthene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Chrysene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Dibenzo(a,h)anthracene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<i>Indeno(1,2,3-cd)pyrene</i>	<i>ug/L</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>	<i>10 U</i>
<b>Total CPAHs</b>	<b>ug/L</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Total PAHs</b>	<b>ug/L</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>

*Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).*

PAHs - Polycyclic Aromatic Hydrocarbons

ug/L - Micrograms Per Liter

U - Indicates compound was analyzed for, but not detected.

ND - Not Detected

**Table 3-13 - Surface Water Samples  
Summary of Inorganic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASW-01 A1685505 07/18/2001	PASW-02 A1685504 07/18/2001	PASW-03 A1685501 07/18/2001	PASW-04 A1685502 07/18/2001	PASW-04 D A1685503 07/18/2001
Arsenic - Total	ug/L	7 U	7 U	7 U	11	7 U
Barium - Total	ug/L	24	24	24	190	100
Cadmium - Total	ug/L	1 U	1 U	1 U	13	4.8
Chromium - Total	ug/L	2 U	2 U	2 U	16	6.3
Lead - Total	ug/L	10 U	10 U	10 U	350	150
Mercury - Total	ug/L	0.2 U	0.2 U	0.2 U	1.4	0.67
Selenium - Total	ug/L	10 U	10 U	10 U	15	10 U
Silver - Total	ug/L	3 U	3 U	3 U	3 U	3 U
Cyanide - Total	ug/L	5 U	5 U	5 U	5 U	5 U

ug/L - Micrograms Per Liter

U - Indicates element was analyzed for, but not detected.

**Table 3-14 - Sediment Samples  
Summary of Volatile Organic Constituent Results**

VHB Sample Designation	Units	PASD-01	PASD-02	PASD-03	PASD-04	PASD-04 D
Lab Sample Designation		A1684716	A1684715	A1684710	A1684711	A1684712
Date Sampled		07/18/2001	07/18/2001	07/18/2001	07/18/2001	07/18/2001
Benzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Total BTEX	mg/kg	ND	ND	ND	ND	ND

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes  
mg/kg - Milligrams Per Kilogram  
U - Indicates compound was analyzed for, but not detected.  
ND - Not Detected

Table 3-15 - Sediment Samples  
Summary of Semivolatile Organic Constituent Results

VHB Sample Designation	Units	PASD-01	PASD-02	PASD-03	PASD-04	PASD-04 D
Lab Sample Designation		A1684716	A1684715	A1684710	A1684711	A1684712
Date Sampled		07/18/2001	07/18/2001	07/18/2001	07/18/2001	07/18/2001
2-Methylnaphthalene	mg/kg	0.33 U	0.33 U	0.36 U	0.33 U	0.33 U
Acenaphthene	mg/kg	0.11 J	0.18 J	0.36 U	0.33 U	0.33 U
Acenaphthylene	mg/kg	0.33 U	0.33 U	0.36 U	0.33 U	0.33 U
Anthracene	mg/kg	0.4	0.14 J	0.27 J	0.33 U	0.33 U
Benzo(g)hperylene	mg/kg	0.76	0.94	1.5	0.33 U	0.33 U
Dibenzofuran	mg/kg	0.53	0.77	1.4	0.33 U	0.33 U
Fluoranthene	mg/kg	0.55	1.3	2.9	0.33 U	0.33 U
Fluorene	mg/kg	0.15 J	0.27 J	0.65	0.33 U	0.33 U
Naphthalene	mg/kg	0.35	0.33 U	0.36 U	0.33 U	0.33 U
Phenanthrene	mg/kg	0.9	1.1	2.3	0.33 U	0.33 U
Pyrene	mg/kg	0.33 U	0.33 U	0.23 J	0.33 U	0.33 U
<i>Benzo(a)anthracene</i>	<i>mg/kg</i>	<i>0.33 U</i>	<i>0.33 U</i>	<i>0.36 U</i>	<i>0.33 U</i>	<i>0.33 U</i>
<i>Benzo(a)pyrene</i>	<i>mg/kg</i>	<i>1.7</i>	<i>1.8</i>	<i>4.2</i>	<i>0.33 U</i>	<i>0.052 J</i>
<i>Benzo(b)fluoranthene</i>	<i>mg/kg</i>	<i>0.16 J</i>	<i>0.33 U</i>	<i>0.36 U</i>	<i>0.33 U</i>	<i>0.33 U</i>
<i>Benzo(k)fluoranthene</i>	<i>mg/kg</i>	<i>0.15 J</i>	<i>0.26 J</i>	<i>0.73</i>	<i>0.33 U</i>	<i>0.33 U</i>
<i>Chrysene</i>	<i>mg/kg</i>	<i>0.33 U</i>	<i>0.33 U</i>	<i>0.36 U</i>	<i>0.33 U</i>	<i>0.33 U</i>
<i>Dibenzof(a,h)anthracene</i>	<i>mg/kg</i>	<i>2</i>	<i>0.85</i>	<i>2.2</i>	<i>0.33 U</i>	<i>0.33 U</i>
<i>Indeno(1,2,3-cd)pyrene</i>	<i>mg/kg</i>	<i>1.5</i>	<i>1.7</i>	<i>3.3</i>	<i>0.33 U</i>	<i>0.038 J</i>
<b>Total CPAHs</b>	<b>mg/kg</b>	<b>5.51</b>	<b>4.61</b>	<b>10.43</b>	<b>ND</b>	<b>0.09</b>
<b>Total PAHs</b>	<b>mg/kg</b>	<b>9.26</b>	<b>9.31</b>	<b>19.68</b>	<b>ND</b>	<b>0.09</b>

Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).

PAHs - Polycyclic Aromatic Hydrocarbons

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

ND - Not Detected

**Table 3-16 - Sediment Samples  
Summary of Inorganic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	PASD-01 A1684716 07/18/2001	PASD-02 A1684715 07/18/2001	PASD-03 A1684710 07/18/2001	PASD-04 A1684711 07/18/2001	PASD-04 D A1684712 07/18/2001
Arsenic - Total	mg/kg	6.8	5.7	3.9	2.1 U	2.2 U
Barium - Total	mg/kg	18.6	60.2	13.5	13	7.1
Cadmium - Total	mg/kg	0.04 U	0.86 U	0.7 U	1 U	1.1 U
Chromium - Total	mg/kg	4.8	9.9	7.6	4.2 U	4.4 U
Lead - Total	mg/kg	30.6	87.2	49.8	56.7	34.4
Mercury - Total	mg/kg	0.13 U	0.17 U	0.12 U	0.21 U	0.19 U
Selenium - Total	mg/kg	3.8 U	5.1 U	4.2 U	6.3 U	6.6 U
Silver - Total	mg/kg	1.3 U	1.7 U	1.4 U	2.1 U	2.2 U
Cyanide - Total	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

mg/kg - Milligrams Per Kilogram

U - Indicates element was analyzed for, but not detected.

Table 3-17 - Test Trench Samples  
Summary of Volatile Organic Constituent Results

VHB Sample Designation	Units	A+56'E	B+05'S	C-30'S	C' to C'+10'W	C'+27' to C'+40'W	C'+70' to C'+80'W
Lab Sample Designation		A1692310	A1692309	A1692308DL	A1692305	A1692306	A1692307
Date Sampled		07/19/2001	07/19/2001	07/19/2001	07/19/2001	07/19/2001	07/19/2001
Benzene	mg/kg	0.025 D	0.005 U	0.017 D	0.001 J	0.001 J	0.002 J
Ethylbenzene	mg/kg	1.2 D	0.002 J	0.71 D	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	0.022 D	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U
Total Xylenes	mg/kg	0.064 D	0.015 U	0.6 D	0.015 U	0.015 U	0.015 U
<b>Total BTEX</b>	<b>mg/kg</b>	<b>1.311</b>	<b>0.002</b>	<b>1.327</b>	<b>0.001</b>	<b>0.001</b>	<b>0.002</b>

Total BTEX - Total Benzene, Toluene, Ethylbenzene, Xylenes

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

D - Compounds identified in an analysis at a secondary dilution factor.

**Table 3-18 - Test Trench Samples  
Summary of Semivolatile Organic Constituent Results**

VHB Sample Designation Lab Sample Designation Date Sampled	Units	A+16E A1692311 07/19/2001	A+56E A1692310 07/19/2001	B+05S A1692309 07/19/2001	C+30S A1692308 07/19/2001	C' to C'+10"N A1692305 07/19/2001	C'+27' to C'+40"N A1692306 07/19/2001	C'+70' to C'+80"N A1692307 07/19/2001
2-Methylnaphthalene	mg/kg	0.82 J	0.72 U	0.38 U	4.7	0.44 U	0.4 U	0.42 U
Acenaphthene	mg/kg	8	0.57 J	0.38 U	11	0.56	0.4 U	0.74
Acenaphthylene	mg/kg	14	0.72 U	0.67	4.4	1.5	0.34 J	1.4
Anthracene	mg/kg	24	0.47 J	0.26 J	7.2	1.7	0.94	1.5
Benzo(ghi)perylene	mg/kg	17	0.72 U	1.2	5.6	3.1	1.1	4.8
Dibenzofuran	mg/kg	0.66 J	0.72 U	0.38 U	1.2	0.44 U	0.4 U	0.42 U
Fluoranthene	mg/kg	68	0.89 J	2.4	8.6	9.8	5.5	9.8
Fluorene	mg/kg	12	0.58 J	0.56 U	9.8	J	0.22 J	0.16 J
Naphthalene	mg/kg	1.7	0.72 U	0.38 U	18	0.3 J	0.4 U	0.62
Phenanthrene	mg/kg	56	1.2	0.72	35	7.6	3.5	5.1
Pyrene	mg/kg	110	2.9	3.4	24	13	6.9	15
<i>Benzo(a)anthracene</i>	<i>mg/kg</i>	<i>58</i>	<i>0.7 J</i>	<i>1.7</i>	<i>8.2</i>	<i>6.6</i>	<i>3.2</i>	<i>10</i>
<i>Benzo(g)pyrene</i>	<i>mg/kg</i>	<i>42</i>	<i>0.52 J</i>	<i>1.7</i>	<i>20</i>	<i>6.8</i>	<i>2.6</i>	<i>8</i>
<i>Benzo(b)fluoranthene</i>	<i>mg/kg</i>	<i>50</i>	<i>0.69 J</i>	<i>4.2</i>	<i>15</i>	<i>6.6</i>	<i>2.1</i>	<i>10</i>
<i>Benzo(k)fluoranthene</i>	<i>mg/kg</i>	<i>66</i>	<i>0.72 U</i>	<i>0.38 U</i>	<i>12</i>	<i>4.9</i>	<i>3</i>	<i>7.9</i>
<i>Chrysene</i>	<i>mg/kg</i>	<i>63</i>	<i>0.98</i>	<i>2.6</i>	<i>17</i>	<i>8.4</i>	<i>3.8</i>	<i>14</i>
<i>Dibenzo(a,h)anthracene</i>	<i>mg/kg</i>	<i>6.9</i>	<i>0.72 U</i>	<i>0.26 J</i>	<i>2.2</i>	<i>1.1</i>	<i>0.3 J</i>	<i>1.5</i>
<i>Indeno(1,2,3-cd)pyrene</i>	<i>mg/kg</i>	<i>16</i>	<i>1.4 U</i>	<i>1</i>	<i>5</i>	<i>2.6</i>	<i>1</i>	<i>3.7</i>
<b>Total CPAHs</b>	<b>mg/kg</b>	<b>301.9</b>	<b>2.89</b>	<b>11.46</b>	<b>73.4</b>	<b>37</b>	<b>16</b>	<b>55.1</b>
<b>Total PAHs</b>	<b>mg/kg</b>	<b>614.08</b>	<b>9.5</b>	<b>20.11</b>	<b>202.9</b>	<b>75.56</b>	<b>34.5</b>	<b>94.66</b>

Italicized compounds represent Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs).

PAHs - Polycyclic Aromatic Hydrocarbons

mg/kg - Milligrams Per Kilogram

U - Indicates compound was analyzed for, but not detected.

J - Indicates an estimated value.

Table 3-19 - Test Trench Samples  
Summary of Inorganic Constituent Results

VHB Sample Designation Lab Sample Designation Date Sampled	Units	A+16E A1692311 07/19/2001	A+56E A1692310 07/19/2001	B+05S A1692309 07/19/2001	C+30S A1692308 07/19/2001	C to C+10N A1692305 07/19/2001	C+27 to C+40N A1692306 07/19/2001	C+70' to C+80'N A1692307 07/19/2001
Arsenic - Total	mg/kg	18.9	1.2	15.2	1.2 U	13.3	17.6	40.2
Barium - Total	mg/kg	18.4	7.3	21	7	327	311	248
Cadmium - Total	mg/kg	0.63 U	0.57 U	0.81	0.62 U	1.2	2	0.94
Chromium - Total	mg/kg	25 U	2.4	7.2	2.8	7.7	7.4	9.1
Lead - Total	mg/kg	127	25.8	39.8	62.3	168	119	204
Mercury - Total	mg/kg	0.29	0.11 U	3.4	0.59	0.14 U	0.58	0.56
Selenium - Total	mg/kg	3.8 U	3.4 U	3.4 U	3.7 U	4 U	3.7 U	3.8 U
Silver - Total	mg/kg	13 U	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.3 U
Cyanide - Total	mg/kg	3.6	0.5 U	15	0.58	0.5 U	0.5 U	24.9

mg/kg - Milligrams Per Kilogram

U - Indicates element was analyzed for, but not detected.