**Table 1**

Additional Site Investigation
Soil Analytical Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Sample ID | Sample Depth (feet bgs) | Date Sampled | BTEX[1] (EPA Method 8021B) *(mg/kg)* | | | | Total Adjusted cPAHs[2] (EPA Method 8270 SIM) *(mg/kg)* | NWTPH-G *(mg/kg)* | NWTPH-D Extended *(mg/kg)* | | Total TPH[3] *(mg/kg)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | B | T | E | X | | Gasoline | Diesel | Heavy Oil (Lube) | |
| Site Soil Remediation Level (REL)/Cleanup Level (CUL) (mg/kg) | | | 18 | -- | -- | -- | 0.14 | -- | -- | -- | 2,975 |
| SB-65-6.5 | 6.5 | 06/26/08 | 35.8 J | 47.2 J | 3.79 J | 4.35 J | 1.01 | 3,820 | 9,450 J | 3,660 J | 16,900 J |
| SB-65-8.0 | 8 | 06/26/08 | 14.5 | 78.0 | 2.96 U | 48.9 | 0.0928 | 2,290 | 1,910 | 186 | 4,390 |
| SB-65-16.0 | 16 | 06/26/08 | 0.0588 | 0.241 | 0.0575 U | 0.782 | 0.00883 UU | 13.1 | 176 | 35.6 | 225 |
| SB-65-20 | 20 | 06/26/08 | 0.259 | 1.13 | 0.0432 U | 3.79 | 0.0161 | 59.2 | 136 | 28.6 U | 210 |
| SB-65-23 | 23 | 06/26/08 | 0.275 | 1.43 | 0.0677 | 4.66 | 0.0158 | 61.3 | 85.1 | 28.8 U | 161 |
| SB-66-6.0 | 6 | 06/26/08 | 0.0746 | 0.281 | 0.0598 U | 2.92 | 0.209 | 467 JZ | 9,790 J | 1,640 J | 11,900 J |
| SB-66-11.5 | 11.5 | 06/30/08 | 0.0381 U | 0.0635 U | 0.0635 U | 0.127 U | 0.00914 UU | 6.35 U | 15.0 | 30.4 U | 33.4 |
| SB-66-15 | 15 | 06/30/08 | 0.0331 U | 0.0552 U | 0.0552 U | 0.110 U | NA | 5.52 U | 11.6 U | 29.1 U | 23.1 UU |
| SB-67-5.5 | 5.5 | 06/24/08 | 0.0398 U | 0.0663 U | 0.0663 U | 0.133 U | NA | 6.63 U | 11.9 U | 29.7 U | 24.1 UU |
| SB-68-4.0 | 4 | 06/24/08 | 0.334 U | 29.7 | 0.653 | 88.7 | 0.165 | 4,090 | 1,240 | 141 | 5,470 |
| SB-68-5.5 | 5.5 | 06/24/08 | 0.350 U | 32.9 J | 0.583 U | 166 | 0.101 | 3,960 | 633 | 143 U | 4,660 |
| SB-68-13.5 | 13.5 | 06/25/08 | 0.0367 U | 0.403 | 0.0612 U | 2.65 | 0.00898 UU | 73.7 | 11.9 | 29.7 U | 100 |
| SB-68-15.0 | 15 | 06/25/08 | 0.0364 U | 0.0606 U | 0.0606 U | 0.121 U | NA | 6.06 U | 12.0 U | 30.1 U | 24.1 UU |
| SB-69-6.0 | 6 | 06/26/08 | 0.149 J | 4.34 J | 1.07 J | 48.3 | 0.236 UU | 1,770 | 1,870 | 157 U | 3,720 |
| SB-69-12.0 | 12 | 06/26/08 | 0.0385 U | 0.0642 U | 0.0642 U | 0.128 U | NA | 6.42 U | 11.9 U | 29.7 U | 24.0 UU |
| SB-69-15.0 | 15 | 06/26/08 | 0.0393 U [0.0384 U] | 0.0654 U [0.0639 U] | 0.0654 U [0.0639 U] | 0.131 U [0.128 U] | NA | 6.54 U [6.39 U] | 11.9 U [14.4] | 29.7 U [30.1 U] | 24.1 UU [32.6] |
| SB-70-6.0 | 6 | 06/24/08 | 0.0371 U | 0.0618 U | 0.0618 U | 0.124 U | NA | 6.18 U | 10.9 U | 27.2 U | 22.1 UU |
| SB-70-7.0 | 7 | 06/25/08 | 0.0369 U | 0.0616 U | 0.0616 U | 0.123 U | NA | 6.16 U | 11.5 U | 28.8 U | 23.2 UU |
| SB-70-12.5 | 12.5 | 06/25/08 | 0.0366 U | 0.0611 U | 0.0611 U | 0.122 U | NA | 6.11 U | 11.6 U | 29.1 U | 23.4 UU |
| SB-70-20.5 | 20.5 | 06/25/08 | 0.0340 U | 0.0567 U | 0.0567 U | 0.113 U | NA | 5.67 U | 11.8 U | 29.4 U | 23.4 UU |
| SB-71-8.0 | 8 | 06/25/08 | 0.0368 U | 0.0614 U | 0.0614 U | 0.123 U | NA | 6.14 U | 11.7 U | 29.3 U | 23.6 UU |
| SB-71-15.5 | 15.5 | 06/25/08 | 0.0363 U | 0.0605 U | 0.0605 U | 0.121 U | 0.00876 UU | 6.05 U | 11.6 U | 42.1 | 50.9 |
| SB-71-24.0 | 24 | 06/25/08 | 0.0366 U | 0.0610 U | 0.0610 U | 0.122 U | NA | 6.10 U | 11.8 U | 29.4 U | 23.7 UU |
| SB-72-6.5 | 6.5 | 06/25/08 | 0.0371 U | 0.0619 U | 0.0619 U | 0.124 U | NA | 6.19 U | 11.7 U | 29.3 U | 23.6 UU |
| SB-72-15.5 | 15.5 | 06/25/08 | 0.0348 U | 0.0581 U | 0.0581 U | 0.116 U | NA | 5.81 U | 12.1 U | 30.1 U | 24.0 UU |
| SB-72-24.5 | 24.5 | 06/25/08 | 0.0400 U [0.0421 U] | 0.0667 U [0.0701 U] | 0.0667 U [0.0701 U] | 0.133 U [0.140 U] | NA | 6.67 U [7.01 U] | 12.5 U [12.6 U] | 31.2 U [31.5 U] | 25.2 UU [25.6 UU] |
| SB-73-6.0 | 6 | 06/26/08 | 0.0445 U | 0.0741 U | 0.0741 U | 0.148 U | NA | 7.41 U | 13.0 U | 32.6 U | 26.5 UU |
| SB-73-15.0 | 15 | 06/26/08 | 0.0369 U | 0.0615 U | 0.0615 U | 0.123 U | NA | 6.15 U | 12.0 U | 30.1 U | 24.1 UU |
| SB-74-6.0 | 6 | 06/26/08 | 0.0375 U | 0.0625 U | 0.0625 U | 0.125 U | NA | 6.25 U | 12.2 U | 30.4 U | 24.4 UU |
| SB-74-15 | 15 | 06/26/08 | 0.0380 U | 0.0634 U | 0.0634 U | 0.127 U | NA | 6.34 U | 12.2 U | 30.4 U | 24.5 UU |
| SB-75-6.0 | 6 | 06/26/08 | 0.0406 U | 0.0677 U | 0.0677 U | 0.135 U | NA | 6.77 U | 12.2 U | 30.5 U | 24.7 UU |
| SB-75-15.0 | 15 | 06/26/08 | 0.0398 U | 0.0663 U | 0.0663 U | 0.133 U | NA | 6.63 U | 12.3 U | 30.8 U | 24.9 UU |

**Table 1**

Additional Site Investigation
Soil Analytical Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Sample ID | Sample Depth (feet bgs) | Date Sampled | BTEX[1] (EPA Method 8021B) *(mg/kg)* | | | | Total Adjusted cPAHs[2] (EPA Method 8270 SIM) *(mg/kg)* | NWTPH-G *(mg/kg)* | NWTPH-D Extended *(mg/kg)* | | Total TPH[3] *(mg/kg)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | B | T | E | X | | Gasoline | Diesel | Heavy Oil (Lube) | |
| Site Soil Remediation Level (REL)/Cleanup Level (CUL) (mg/kg) | | | 18 | -- | -- | -- | 0.14 | -- | -- | -- | 2,975 |
| SB-76-4.5 | 4.5 | 06/30/08 | 0.0389 U | 0.0648 U | 0.316 | 0.130 U | NA | 9.14 | 11.4 U | 28.5 U | 29.1 |
| SB-76-9 | 9 | 06/30/08 | 0.0436 U | 0.0727 U | 0.0727 U | 0.145 U | 0.198 | 7.66 JZ | 14,500 J | 2,550 J | 17,100 J |
| SB-76-10.5 | 10.5 | 06/30/08 | 0.0501 U | 0.0835 U | 0.0835 U | 0.167 U | 0.190 | 40.1 JZ | 2,090 J | 409 J | 2,540 J |
| SB-76-14 | 14 | 06/30/08 | 0.0288 U [0.0355 U] | 0.0480 U [0.0591 U] | 0.0480 U [0.0591 U] | 0.0959 U [0.118 U] | NA | 4.80 U [5.91 U] | 12.0 U [11.9 U] | 30.0 U [29.8 U] | 23.4 UU [23.8 UU] |
| SB-77-6 | 6 | 06/30/08 | 0.0392 U | 0.0653 U | 0.0653 U | 0.131 U | NA | 6.53 U | 12.0 U | 29.9 U | 24.2 UU |
| SB-77-9.5 | 9.5 | 06/30/08 | 0.0439 U | 0.0731 U | 0.0731 U | 0.146 U | 0.214 | 7.31 U | 7,120 J | 757 J | 7,880 J |
| SB-77-14 | 14 | 06/30/08 | 0.0336 U | 0.0561 U | 0.0561 U | 0.112 U | NA | 5.61 U | 11.8 U | 29.5 U | 23.5 UU |
| SB-78-5.5 | 5.5 | 06/30/08 | 6.57 J | 9.74 J | 42.4 J | 49.6 J | 0.0183 | 693 | 257 | 356 | 1,310 |
| SB-78-8.5 | 8.5 | 06/30/08 | 0.0351 U | 0.0585 U | 0.0585 U | 0.117 U | NA | 5.85 U | 11.4 U | 28.4 U | 22.8 UU |
| SB-78-10 | 10 | 06/30/08 | 0.0325 U | 0.0542 U | 0.0542 U | 0.108 U | NA | 15.1 JZ | 11.4 U | 28.6 U | 35.1 J |
| SB-78-12.5 | 12.5 | 06/30/08 | 0.0353 U | 0.0589 U | 0.0589 U | 0.118 U | NA | 5.89 U | 12.2 U | 30.6 U | 24.3 UU |
| SB-79-5 | 5 | 06/30/08 | 0.0344 U | 0.0573 U | 0.0573 U | 0.115 U | NA | 5.73 U | 11.0 U | 27.5 U | 22.1 UU |
| SB-79-8.5 | 8.5 | 06/30/08 | 0.0348 U | 0.0581 U | 0.0581 U | 0.116 U | 0.276 | 32.5 JZ | 2,960 J | 964 J | 3,960 J |
| SB-79-10 | 10 | 06/30/08 | 0.0468 U | 0.0779 U | 0.0779 U | 0.156 U | 0.0198 | 19.7 JZ | 137 | 37.0 | 194 J |
| SB-79-11.5 | 11.5 | 06/30/08 | 0.0550 U | 0.0916 U | 0.0916 U | 0.183 U | NA | 9.16 U | 13.1 U | 32.7 U | 27.5 UU |
| SB-80-7.5 | 7.5 | 06/26/08 | 0.0392 U | 0.0654 U | 0.0654 U | 0.131 U | 0.693 | 24.5 JZ | 1,870 | 2,770 | 4,660 J |
| SB-80-11.0 | 11 | 06/26/08 | 0.0518 U | 0.0864 U | 0.0864 U | 0.173 U | NA | 8.64 U | 13.6 U | 34.0 U | 28.1 UU |
| SB-81-5 | 5 | 06/30/08 | 0.0301 U | 0.0501 U | 0.0501 U | 0.100 U | 0.0896 | 21.1 JZ | 34.4 | 49.4 | 105 J |
| SB-81-9.5 | 9.5 | 06/30/08 | 0.0414 U | 0.0691 U | 0.0691 U | 0.138 U | NA | 6.91 U | 12.6 U | 31.4 U | 25.5 UU |
| SB-81-15.5 | 15.5 | 06/30/08 | 0.0333 U | 0.0556 U | 0.0556 U | 0.111 U | NA | 5.56 U | 11.6 U | 29.0 U | 23.1 UU |
| SB-82-7 | 7 | 07/01/08 | 0.0349 U | 0.0581 U | 0.0581 U | 0.116 U | NA | 5.81 U | 11.9 U | 29.7 U | 23.7 UU |
| SB-82-9 | 9 | 07/01/08 | 0.0455 U | 0.0758 U | 0.0758 U | 0.152 U | NA | 7.58 U | 13.6 U | 33.9 U | 27.5 UU |
| SB-83-7 | 7 | 07/01/08 | 0.0333 U | 0.0555 U | 0.0555 U | 0.111 U | 0.00891 | 5.55 U | 16.8 | 29.6 U | 34.4 |
| SB-83-8.5 | 8.5 | 07/01/08 | 0.0502 U | 0.0837 U | 0.0837 U | 0.167 U | 0.0108 | 8.37 U | 18.7 | 35.6 U | 40.7 |
| SB-84-6 | 6 | 07/01/08 | 0.0610 U | 0.102 U | 0.102 U | 0.203 U | 0.0119 | 10.2 U | 20.7 | 43.3 | 69.1 |
| SB-84-8 | 8 | 07/01/08 | 0.0745 U | 0.124 U | 0.124 U | 0.248 U | NA | 12.4 U | 17.6 U | 44.0 U | 37.0 UU |
| SB-85-5.5 | 5.5 | 07/02/08 | 0.0357 U | 0.0596 U | 0.0596 U | 0.119 U | 0.0225 | 5.96 U | 75.4 | 28.2 U | 92.5 |
| SB-85-7.5 | 7.5 | 07/02/08 | 0.114 U | 0.218 J | 0.189 U | 1.09 J | NA | 177 J | 21.2 U | 52.9 U | 214 J |
| SB-86-4.5 | 4.5 | 07/02/08 | 0.0324 U | 0.0540 U | 0.0540 U | 0.108 U | 0.0182 | 5.40 U | 31.1 JY | 77.9 | 112 J |
| SB-86-6.5 | 6.5 | 07/02/08 | 0.0513 U | 0.0856 U | 0.0856 U | 0.171 U | NA | 8.56 U | 14.2 U | 35.4 U | 29.1 UU |
| SB-87-6.0 | 6 | 07/25/08 | 0.0600 | 0.0825 | 0.0464 U | 0.153 | 0.0535 | 74.2 JZ | 79.8 | 88.6 | 243 J |
| SB-87-14.0 | 14 | 07/25/08 | 0.0477 | 0.0686 U | 0.0686 U | 0.137 U | NA | 6.86 U | 12.2 U | 30.4 U | 24.7 UU |
| SB-88-8.0 | 8 | 07/25/08 | 0.0145 U | 0.0242 U | 0.0242 U | 0.0484 U | 0.0167 | 2.59 | 35.9 | 98.5 | 137 |

**Table 1**

Additional Site Investigation
Soil Analytical Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Sample ID | Sample Depth (feet bgs) | Date Sampled | BTEX[1] (EPA Method 8021B) *(mg/kg)* | | | | Total Adjusted cPAHs[2] (EPA Method 8270 SIM) *(mg/kg)* | NWTPH-G *(mg/kg)* | NWTPH-D Extended *(mg/kg)* | | Total TPH[3] *(mg/kg)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | B | T | E | X | | Gasoline | Diesel | Heavy Oil (Lube) | |
| **Site Soil Remediation Level (REL)/Cleanup Level (CUL) (mg/kg)** | | | **18** | **--** | **--** | **--** | **0.14** | **--** | **--** | **--** | **2,975** |

**Notes**

Shaded data indicates concentrations greater than the applicable site Remedial Action Levels.
(mg/kg)= milligram per kilogram (parts per million)
bgs= below ground surface

[1] B= Benzene, T= Toluene, E= Ethylebenzene, X= Total Xylenes

[2] Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs). cPAHs adjusted for toxicity according to WAC 173-340-708(8) and Air Toxics Hot Spots Program Risk Assessment Guidelines, Part II Technical Support Document for Describing Available Cancer Potency Factors. Office of Environmental Health Hazard Assessment, California EPA. May 2005. If one or more adjusted cPAH constituents were reported as Non-Detect, half of the reporting limt was used in calculations.

[3]Total TPH calculated by summing the concentrations of gasoline, diesel and heavy oil. If any TPH constituents were reported as Non-Detect, half of the reporting limit value was used.
NA = Indicates analysis not conducted.
[ ] = Bracketed data indicate duplicate sample.

| Lab Qualifiers | Definition |
|---|---|
| J | Indicates an estimated value. |
| JY | Results in the diesel organics range are primarily due to overlap from a heavy oil range |
| JZ | Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons |
| U | The compound was analyzed for but not detected. The associated value is the compound quantitation limit |
| UU | The constituents making up the total are all non-detects. |

## Table 2

2008 Groundwater Elevation Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date | Time | Top of Casing Elevation (feet) | Depth to Water (top of casing) (feet) | Depth to LNAPL (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet amsl) |
|---|---|---|---|---|---|---|---|
| LM-2 | 10/20/08 | 16:08 | 8.14 | 2.66 | -- | NP | 5.48 |
| | 12/08/08 | 10:51 | | 2.89 | -- | NP | 5.25 |
| MW-E | 10/20/08 | 16:20 | 14.42 | 7.95 | -- | NP | 6.47 |
| | 12/08/08 | 11:35 | | 7.78 | -- | NP | 6.64 |
| MW-8R | 10/20/08 | 15:47 | 13.82 | 8.49 | -- | NP | 5.33 |
| | 12/08/08 | 10:17 | | 8.35 | -- | NP | 5.47 |
| MW-101 | 10/20/08 | 15:55 | 14.99 | 8.97 | -- | NP | 6.02 |
| | 12/08/08 | 10:30 | | 8.96 | -- | NP | 6.03 |
| MW-104 | 10/20/08 | 15:53 | 14.08 | 8.21 | -- | NP | 5.87 |
| | 12/08/08 | 10:28 | | 8.20 | -- | NP | 5.88 |
| MW-108 | 10/20/08 | 16:11 | 12.40 | 6.31 | -- | NP | 6.09 |
| | 12/08/08 | 10:59 | | 7.80 | -- | NP | 4.60 |
| MW-109 | 10/20/08 | 16:15 | 13.53 | 6.98 | -- | NP | 6.55 |
| | 12/08/08 | 11:02 | | 7.38 | -- | NP | 6.15 |
| MW-122 | 10/20/08 | 16:32 | 15.54 | 8.05 | -- | NP | 7.49 |
| | 12/08/08 | 11:40 | | 7.87 | -- | NP | 7.67 |
| MW-126 | 10/20/08 | 17:05 | 12.40 | 4.51 | -- | NP | 7.89 |
| | 12/08/08 | 10:00 | | 4.17 | -- | NP | 8.23 |
| MW-129R | 10/20/08 | 16:33 | 12.92 | 6.54 | -- | NP | 6.38 |
| | 12/08/08 | 11:38 | | 6.78 | -- | NP | 6.14 |
| MW-13U | 10/20/08 | 16:46 | 25.60 | 17.52 | -- | NP | 8.08 |
| | 12/08/08 | 12:03 | | 17.32 | -- | NP | 8.28 |
| MW-131 | 10/20/08 | 16:17 | 12.53 | 6.37 | -- | NP | 6.16 |
| | 12/08/08 | 11:31 | | 6.10 | -- | NP | 6.43 |
| MW-134X | 10/20/08 | 16:40 | 35.13 | 26.58 | -- | NP | 8.55 |
| | 12/08/08 | 11:57 | | 26.55 | -- | NP | 8.58 |
| MW-135 | 10/20/08 | 16:35 | 18.13 | 10.06 | -- | NP | 8.07 |
| | 12/08/08 | 11:47 | | 11.43 | -- | NP | 6.70 |
| MW-136 | 10/27/08 | 13:35 | 15.99 | 8.13 | -- | NP | 7.86 |
| | 12/08/08 | 11:49 | | 8.06 | -- | NP | 7.93 |
| MW-139R | 10/20/08 | 15:59 | 13.84 | 7.57 | -- | NP | 6.27 |
| | 12/08/08 | 10:46 | | 7.17 | -- | NP | 6.67 |
| MW-143 | 10/22/08 | 12:25 | 11.94 | 4.55 | -- | NP | 7.39 |
| | 12/16/08 | 10:16 | | 4.08 | -- | NP | 7.86 |
| MW-147 | 10/20/08 | 15:45 | 11.02 | 5.69 | -- | NP | 5.33 |
| | 12/08/08 | 10:13 | | 5.51 | -- | NP | 5.51 |
| MW-149R | 10/20/08 | 15:42 | 12.18 | 6.76 | -- | NP | 5.42 |
| | 12/08/08 | 10:07 | | 6.70 | -- | NP | 5.48 |
| MW-150 | 10/20/08 | 15:41 | 12.36 | 7.21 | -- | NP | 5.15 |
| | 12/08/08 | 10:05 | | 6.90 | -- | NP | 5.46 |
| MW-151 | 10/20/08 | 15:39 | 11.05 | 5.76 | -- | NP | 5.29 |
| | 12/08/08 | 10:02 | | 5.41 | -- | NP | 5.64 |
| MW-20R | 10/20/08 | 15:51 | 12.17 | 6.53 | -- | NP | 5.64 |
| | 12/08/08 | 10:27 | | 6.50 | -- | NP | 5.67 |
| MW-203 | 10/20/08 | 16:43 | 31.15 | 22.83 | -- | NP | 8.32 |
| | 12/08/08 | 12:00 | | 22.69 | -- | NP | 8.46 |
| MW-301 | 10/20/08 | 17:30 | 12.15 | 6.73 | -- | NP | 5.42 |
| | 12/08/08 | -- | -- | -- | -- | NP | -- |

## Table 2

2008 Groundwater Elevation Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date | Time | Top of Casing Elevation (feet) | Depth to Water (top of casing) (feet) | Depth to LNAPL (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet amsl) |
|---|---|---|---|---|---|---|---|
| MW-500 | 10/20/08 | 16:32 | 16.64 | 8.71 | -- | NP | 7.93 |
| | 12/08/08 | 11:45 | | 5.16 | -- | NP | 11.48 |
| MW-501 | 10/20/08 | 16:30 | 15.24 | 7.27 | -- | NP | 7.97 |
| | 12/08/08 | 11:43 | | 5.20 | -- | NP | 10.04 |
| MW-502 | 10/20/08 | 16:25 | 13.00 | 5.41 | -- | NP | 7.59 |
| | 12/08/08 | 11:20 | | 5.16 | -- | NP | 7.84 |
| MW-503 | 10/20/08 | 16:23 | 12.22 | 5.75 | -- | NP | 6.47 |
| | 12/08/08 | 11:23 | | 5.42 | -- | NP | 6.80 |
| MW-504 | 10/20/08 | 16:14 | 13.32 | 7.01 | -- | NP | 6.31 |
| | 12/08/08 | 11:26 | | 6.63 | -- | NP | 6.69 |
| MW-505 | 10/20/08 | 16:11 | 11.42 | 5.10 | -- | NP | 6.32 |
| | 12/08/08 | 11:13 | | 4.72 | -- | NP | 6.70 |
| MW-506 | 10/20/08 | 16:16 | 13.44 | 7.13 | -- | NP | 6.31 |
| | 12/08/08 | 11:29 | | 6.75 | -- | NP | 6.69 |
| MW-507 | 10/20/08 | 16:09 | 13.60 | 7.38 | -- | NP | 6.22 |
| | 12/08/08 | 11:11 | | 7.09 | -- | NP | 6.51 |
| MW-508 | 10/20/08 | 16:07 | 13.31 | 7.16 | -- | NP | 6.15 |
| | 12/08/08 | 11:09 | | 6.33 | -- | NP | 6.98 |
| MW-509 | 10/20/08 | 16:05 | 10.28 | 3.97 | -- | NP | 6.31 |
| | 12/08/08 | 11:07 | | 3.59 | -- | NP | 6.69 |
| MW-510 | 10/20/08 | 16:03 | 12.53 | 6.47 | -- | NP | 6.06 |
| | 12/08/08 | 10:49 | | 6.45 | -- | NP | 6.08 |
| MW-511 | 10/20/08 | 16:49 | 15.20 | 7.75 | -- | NP | 7.45 |
| | 12/08/08 | 12:05 | | 7.45 | -- | NP | 7.75 |
| MW-512 | 10/20/08 | 16:04 | 13.19 | 6.90 | -- | NP | 6.29 |
| | 12/08/08 | 10:37 | | 6.51 | -- | NP | 6.68 |
| MW-513 | 10/20/08 | 16:01 | 11.09 | 4.78 | -- | NP | 6.31 |
| | 12/08/08 | 10:41 | | 4.40 | -- | NP | 6.69 |
| MW-514 | 10/20/08 | 16:02 | 11.39 | 5.09 | -- | NP | 6.30 |
| | 12/08/08 | 10:35 | | 4.70 | -- | NP | 6.69 |
| MW-515 | 10/20/08 | 16:00 | 11.60 | 5.30 | -- | NP | 6.30 |
| | 12/08/08 | 10:42 | | 4.91 | -- | NP | 6.69 |
| MW-516 | 10/20/08 | 15:59 | 11.25 | 4.94 | -- | NP | 6.31 |
| | 12/08/08 | 10:33 | | 4.56 | -- | NP | 6.69 |
| MW-517 | 10/20/08 | 15:57 | 12.00 | 5.69 | -- | NP | 6.31 |
| | 12/08/08 | 10:31 | | 5.31 | -- | NP | 6.69 |
| MW-518 | 10/20/08 | 15:56 | 14.60 | 8.51 | -- | NP | 6.09 |
| | 12/08/08 | 10:44 | | 8.37 | -- | NP | 6.23 |
| MW-519 | 10/20/08 | 15:35 | 12.60 | 7.25 | -- | NP | 5.35 |
| | 12/08/08 | 10:25 | | 7.12 | -- | NP | 5.48 |
| MW-520 | 10/20/08 | 15:50 | 13.31 | 7.95 | -- | NP | 5.36 |
| | 12/08/08 | 10:23 | | 7.83 | -- | NP | 5.48 |
| MW-521 | 10/20/08 | 15:48 | 12.18 | 6.82 | -- | NP | 5.36 |
| | 12/08/08 | 10:21 | | 6.71 | -- | NP | 5.47 |
| MW-522 | 10/20/08 | 15:50 | 13.82 | 8.49 | -- | NP | 5.33 |
| | 12/08/08 | 10:19 | | 8.35 | -- | NP | 5.47 |

## Table 2

2008 Groundwater Elevation Data
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date | Time | Top of Casing Elevation (feet) | Depth to Water (top of casing) (feet) | Depth to LNAPL (feet) | LNAPL Thickness (feet) | Groundwater Elevation (feet amsl) |
|---|---|---|---|---|---|---|---|
| MW-523 | 10/20/08 | 15:47 | 13.53 | 8.17 | -- | NP | 5.36 |
| | 12/08/08 | 10:15 | | 8.05 | -- | NP | 5.48 |
| MW-524 | 10/20/08 | 15:44 | 13.16 | 8.95 | -- | NP | 4.21 |
| | 12/08/08 | 10:09 | | 7.71 | -- | NP | 5.45 |
| **Staff Gauges** | | | | | | | |
| D-2 | 10/20/08 | -- | 5.60 | -- | -- | NP | -- |
| | 12/08/08 | 11:05 | | 1.24 | -- | NP | 6.84 |
| D-3 | 10/20/08 | 17:18 | 5.20 | 1.90 | -- | NP | 7.10 |
| | 12/08/08 | 11:09 | | 1.78 | -- | NP | 6.98 |
| D-5 | 10/20/08 | 17:15 | 5.60 | 1.20 | -- | NP | 6.80 |
| | 12/08/08 | 11:18 | | 1.25 | -- | NP | 6.85 |
| D-6 | 10/20/08 | -- | 2.80 | -- | -- | NP | -- |
| | 12/08/08 | 11:22 | | 3.00 | -- | NP | 5.80 |
| D-7 | 10/20/08 | 17:23 | 7.60 | Dry | -- | NP | Dry |
| | 12/08/08 | 11:31 | | Dry | -- | NP | Dry |
| TB | 10/20/08 | 17:05 | 4.70 | 2.30 | -- | NP | 7.00 |
| | 12/08/08 | 11:16 | | 2.50 | -- | NP | 7.20 |

**Notes:**
amsl= Above Mean Sea Level
LNAPL = Light non-aqeous phase liquid
"--" = Not measured.
NP = Not present

# Table 3

Summary of Groundwater Analytical Data
Petroleum and Polynuclear Aromatic Hydrocarbons
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | BTEX[1] (µg/L) | | | | Total cPAHs Adjusted for Toxicity[2] (µg/L) | Diesel[3] (µg/L) | Gasoline[4] (µg/L) | Heavy Oil[3] (µg/L) | Total TPH[5] (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | B | T | E | X | | | | | |
| | | CUL=51 | | | | CUL=0.018 | | | | CUL=706 (West Side) 506 (East Side) |
| **West Side of Lower Yard** | | | | | | | | | | |
| MW-101* | 10/22/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 250 U | 50.0 U | 500 U | 400 UU |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 245 U | 50.0 U | 490 U | 393 UU |
| MW-104* | 10/22/08 | 3.89 | 11.8 | 0.554 | 1.00 U | 0.00755 UU | 253 U | 728 | 505 U | 1,110 |
| | 12/10/08 | 3.41 | 23.5 | 0.500 U | 1.15 | 0.00740 UU | 245 U | 859 | 490 U | 1,230 |
| MW-143 | 10/22/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 250 U | 50.0 U | 500 U | 400 UU |
| | 12/16/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 240 U | 50.0 U | 481 U | 386 UU |
| MW-147* | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 240 U | 91.2 | 481 U | 452 |
| | 12/09/08 | 0.500 U | 1.38 | 0.562 | 3.49 | 0.00755 UU | 243 U | 604 | 485 U | 968 |
| MW-149R* | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 245 U | 50.0 U | 490 U | 393 UU |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-150* | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 240 U | 50.0 U | 481 UJ | 386 UU |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00719 UU | 248 U | 50.0 U | 495 U | 397 UU |
| MW-20R* | 10/22/08 | 2.95 | 3.31 | 0.500 U | 1.00 U | 0.00755 UU | 250 U | 222 | 500 U | 597 |
| | 12/10/08 | 22.2 | 2.06 | 0.500 U | 1.14 | 0.00712 UU | 248 U | 325 | 495 U | 697 |
| MW-516 | 10/22/08 | 0.779 | 0.500 U | 0.711 | 3.96 | 0.00712 UU | 248 U | 429 JZ | 495 U | 801 J |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 243 U | 114 | 485 U | 478 |
| MW-517 | 10/22/08 | 1.24 | 0.884 | 0.500 U | 1.56 | 0.00755 UU | 248 U | 275 JZ | 495 U | 647 J |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00726 UU | 240 U | 130 | 481 U | 491 |
| MW-518* | 10/22/08 | 0.503 | 0.500 U | 0.500 U | 1.92 | 0.00755 UU | 248 U | 770 JZ | 495 U | 1,140 J |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 2.12 | 0.00740 UU | 245 U | 796 JZ | 490 U | 1,160 J |
| MW-519 | 10/22/08 | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 1.00 U [1.00 U] | 0.00755 UU [0.00747 UU] | 248 U [248 U] | 79.9 [83.6] | 495 U [495 U] | 451 [455] |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 250 U | 64.1 | 500 U | 439 |
| MW-520 | 10/21/08 | 1.45 | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 250 U | 356 | 500 U | 731 |
| | 12/09/08 | 3.77 | 0.500 U | 0.500 U | 1.00 U | 0.00763 UU | 243 U | 125 | 485 U | 489 |
| MW-521 | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 245 U | 57.9 | 490 U | 425 |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 250 U | 98.4 | 500 U | 473 |
| MW-522* | 10/21/08 | 1.46 | 0.500 U | 0.500 U | 1.41 | 0.0356 UU | 250 U | 534 JZ | 500 U | 909 J |
| | 12/09/08 | 0.782 [0.805] | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 1.00 U [1.00 U] | 0.00747 UU [0.00755 UU] | 245 U [245 U] | 183 [186] | 490 U [490 U] | 551 [554] |
| MW-523* | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 245 U | 63.0 | 490 U | 431 |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00763 UU | 248 U | 50.0 U | 495 U | 397 UU |
| MW-524* | 10/21/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00726 UU | 240 U | 50.0 U | 481 U | 386 UU |
| | 12/09/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-8R* | 10/21/08 | 0.505 | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 145 JZ | 485 U | 509 J |
| | 12/09/08 | 0.510 | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 240 U | 97.1 | 481 U | 458 |

# Table 3

Summary of Groundwater Analytical Data
Petroleum and Polynuclear Aromatic Hydrocarbons
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | BTEX[1] (µg/L) | | | | Total cPAHs Adjusted for Toxicity[2] (µg/L) | Diesel[3] (µg/L) | Gasoline[4] (µg/L) | Heavy Oil[3] (µg/L) | Total TPH[5] (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | B | T | E | X | | | | | |
| | | CUL=51 | | | | CUL=0.018 | | | | CUL=706 (West Side) 506 (East Side) |
| **East Side of Lower Yard** | | | | | | | | | | |
| LM-2* | 10/23/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/11/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00772 | 243 U | 50.0 U | 485 U | 389 UU |
| MW-108* | 10/23/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/11/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-109* | 10/23/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00770 UU | 253 U | 50.0 U | 505 U | 404 UU |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 248 U | 50.0 U | 495 U | 397 UU |
| MW-129R* | 10/24/08 | 0.500 U | 0.500 U | 0.500 U | 1.12 | 0.00740 UU | 250 U | 68.1 | 500 U | 443 |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 245 U | 50.0 U | 490 U | 393 UU |
| MW-135* | 10/27/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/15/08 | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 1.00 U [1.00 U] | 0.00712 UU [0.00740 UU] | 238 U [243 U] | 50.0 U [50.0 U] | 476 U [485 U] | 382 UU [389 UU] |
| MW-136* | 10/27/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/15/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 243 U | 60.6 | 485 U | 425 |
| MW-139R* | 10/22/08 | 0.500 U | 0.724 | 0.500 U | 1.00 U | 0.00726 UU | 240 U | 57.5 JZ | 481 U | 418 J |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 248 U | 50.0 U | 495 U | 397 UU |
| MW-500* | 10/27/08 | 0.800 | 0.934 | 0.500 U | 8.29 | 0.00712 UU | 1,180 | 298 | 472 U | 1,710 |
| | 12/15/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 245 U | 50.0 U | 490 U | 393 UU |
| MW-501* | 10/24/08 | 0.500 U | 1.15 | 1.42 | 1.00 U | 0.00838 UU | 6,690 J | 1,040 | 597 J | 8,330 J |
| | 12/15/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-502 | 10/24/08 | 0.500 U | 0.891 | 0.500 U | 1.00 U | 0.00755 UU | 347 | 1,100 JZ | 500 U | 1,700 J |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 321 JX | 874 | 485 U | 1,440 J |
| MW-503 | 10/27/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00712 UU | 236 U | 50.0 U | 472 U | 379 UU |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00726 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-504 | 10/24/08 | 7.03 | 4.03 | 0.500 U | 2.95 | 0.00838 UU | 248 U | 329 | 495 U | 701 |
| | 12/12/08 | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 0.500 U [0.500 U] | 1.00 U [1.00 U] | 0.00755 UU [0.00747 UU] | 248 U [250 U] | 50.0 U [50.0 U] | 495 U [500 U] | 397 UU [400 UU] |
| MW-505 | 10/24/08 | 0.500 U [0.500 U] | 0.500 UJ [2.78 J] | 0.500 U [0.500 U] | 1.01 [1.00 U] | 0.00755 UU [0.00726 UU] | 253 U [250 U] | 50.0 U [50.0 U] | 505 U [500 U] | 404 UU [400 UU] |
| | 12/15/08 | 0.500 U [0.500 U] | 0.500 U [0.647] | 0.500 U [0.500 U] | 1.00 U [1.00 U] | 0.00712 UU [0.00712 UU] | 238 U [238 U] | 50.0 U [50.0 U] | 476 U [476 U] | 382 UU [382 UU] |
| MW-506 | 10/24/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 245 U | 50.0 U | 490 U | 393 UU |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 248 U | 50.0 U | 495 U | 397 UU |
| MW-507 | 10/24/08 | 0.995 | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 240 U | 523 | 481 U | 884 |
| | 12/12/08 | 0.605 | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 245 U | 194 | 490 U | 562 |
| MW-508 | 10/24/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/11/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00763 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-509 | 10/23/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00733 UU | 243 U | 50.0 U | 485 U | 389 UU |
| | 12/11/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 50.0 U | 485 U | 389 UU |

# Table 3

Summary of Groundwater Analytical Data
Petroleum and Polynuclear Aromatic Hydrocarbons
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | BTEX[1] (µg/L) | | | | Total cPAHs Adjusted for Toxicity[2] (µg/L) | Diesel[3] (µg/L) | Gasoline[4] (µg/L) | Heavy Oil[3] (µg/L) | Total TPH[5] (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | B | T | E | X | | | | | |
| | | CUL=51 | | | | CUL=0.018 | | | | CUL=706 (West Side) 506 (East Side) |
| MW-510* | 10/23/08 | 6.89 | 0.540 | 0.832 | 4.93 | 0.149 UU | 3,400 | 332 JZ | 495 U | 3,980 J |
| | 12/11/08 | 5.44 | 0.500 U | 0.500 U | 3.98 | 0.0747 UU | 4,920 | 244 | 485 U | 5,410 |
| MW-511 | 10/24/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00755 UU | 250 U | 50.0 U | 500 U | 400 UU |
| | 12/12/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00747 UU | 243 U | 50.0 U | 485 U | 389 UU |
| MW-512 | 10/23/08 | 1.97 | 2.96 | 0.500 U | 5.23 | 0.00763 UU | 250 U | 348 | 500 U | 723 |
| | 12/11/08 | 2.50 | 2.17 | 0.500 U | 3.58 | 0.00740 UU | 243 U | 320 | 485 U | 684 |
| MW-513 | 10/23/08 | 0.702 | 0.500 U | 0.500 U | 3.81 | 0.00755 UU | 245 U | 564 JZ | 490 U | 932 J |
| | 12/10/08 | 0.793 | 0.500 U | 0.500 U | 1.21 | 0.00740 UU | 245 U | 439 | 490 U | 807 |
| MW-514 | 10/23/08 | 2.98 | 1.54 | 0.640 | 4.69 | 0.00712 UU | 253 | 1,020 JZ | 490 U | 1,520 J |
| | 12/10/08 | 3.15 [3.40] | 1.82 [1.89] | 0.836 [0.822] | 4.98 [4.95] | 0.00733 UU [0.00755 UU] | 248 U [245 U] | 801 [831] | 495 U [490 U] | 1,170 [1,200] |
| MW-515 | 10/22/08 | 1.86 [1.92] | 1.00 [1.07] | 1.35 [1.40] | 4.47 [4.70] | 0.00740 UU [0.00740 UU] | 248 U [248 U] | 575 JZ [603 JZ] | 495 U [495 U] | 947 J [975 J] |
| | 12/10/08 | 0.500 U | 0.500 U | 0.500 U | 1.00 U | 0.00740 UU | 243 U | 100 | 485 U | 464 |

**Notes:**

[1]B= benzene, T= toluene, E= ethylbenzene, X= xylenes. BTEX analyzed by EPA Method 8021B.

[2]cPAHs = Carcinogenic Polynuclear Aromatic Hydrocarbons. Analyzed by EPA Method 8270C-HVI. cPAHs adjusted for toxicity according to WAC 173-340-708(8) and *Air Toxics Hot Spots Program Risk*

[3]Diesel and Heavy Oil (Lube) analyzed by method NWTPH-D Extended.

[4]Gasoline analyzed by method NWTPH-G.

[5]TPH = Total petroleum hydrocarbons. Total TPH calculated by summing the concentrations of gasoline, diesel and heavy oil. For results which did not exceed method reporting limits, half of the reporting limit was added to determine Total TPH.

(µg/L) = micrograms per liter.
CUL = Cleanup level
EPA = Environmental Protection Agency
* = Denotes Point of Compliance (POC) wells.
[ ] = Bracketed data indicate duplicate samples.
Highlighted cell = Exceeds site specific CUL

| Lab Qualifiers | Definition |
|---|---|
| D | Compound quantitated using a secondary dilution. |
| J | Indicates an estimated value. |
| JX | Results in the diesel organic range are primarily due to overlap from a gasoline range product. |
| JZ | Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons. |
| U | The compound was analyzed for but not detected. The associated value is the compound quantitation limit. |
| UJ | The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit. |
| UU | The constituents making up the total are all non-detects. |

**Table 4**

Summary of Groundwater Analytical Data
Polynuclear Aromatic Hydrocarbons
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(e)pyrene | Benzo(b)-fluoranthene | Benzo(g,h,i)perylene | Benzo(k)-fluoranthene | Chrysene | Dibenzo(a,h) anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-cd) pyrene | Naphthalene | Phenanthrene | Pyrene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LM-2 | 10/23/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/11/08 | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.00962 U | 0.0504 | 0.00962 U | 0.0962 U | 0.0995 | 0.00962 U | 0.941 | 0.181 | 0.0962 U |
| MW-8R | 10/21/08 | 0.157 J | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.252 J | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/09/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-20R | 10/22/08 | 0.220 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/10/08 | 1.55 | 0.0943 U | 0.0943 U | 0.0943 U | 0.0943 U | 0.00943 UJ | 0.00943 U | 0.00943 U | 0.0943 U | 0.00943 U | 0.00943 UJ | 0.00943 U | 0.0943 U | 0.0943 U | 0.00943 U | 0.193 | 0.0943 U | 0.0943 UJ |
| MW-101 | 10/22/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| | 12/10/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-104 | 10/22/08 | 4.11 D | 0.502 | 0.264 | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.547 | 0.0100 U | 3.39 | 0.100 U | 0.100 U |
| | 12/10/08 | 7.72 D | 3.56 D | 0.231 | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.460 | 0.00980 U | 11.1 D | 0.116 | 0.0980 U |
| MW-108 | 10/23/08 | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| | 12/11/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.160 | 0.0980 U | 0.0980 U |
| MW-109 | 10/23/08 | 0.102 U | 0.102 U | 0.102 U | 0.102 U | 0.102 U | 0.0102 U | 0.0102 U | 0.0102 U | 0.102 U | 0.0102 U | 0.0102 U | 0.0102 U | 0.102 U | 0.102 U | 0.0102 U | 0.102 U | 0.102 U | 0.102 U |
| | 12/12/08 | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| MW-129R | 10/24/08 | 0.514 | 0.271 | 0.157 | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.388 | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/12/08 | 0.709 | 0.371 | 0.164 | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.544 | 0.0100 U | 0.100 U | 0.191 | 0.100 U |
| MW-135 | 10/27/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/15/08 | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.00943 U [0.00980 U] | 0.00943 U [0.00980 U] | 0.00943 U [0.00980 U] | 0.0943 U [0.0980 U] | 0.00943 U [0.00980 U] | 0.00943 U [0.00980 U] | 0.00943 U [0.00980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.00943 U [0.00980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] | 0.0943 U [0.0980 U] |
| MW-136 | 10/27/08 | 0.590 | 0.536 | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/15/08 | 1.35 | 1.37 | 0.141 | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.139 | 0.00990 U | 0.731 | 0.104 | 0.0990 U |
| MW-139R | 10/22/08 | 1.18 | 1.09 | 0.170 | 0.0962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.384 | 0.00962 U | 0.0962 U | 0.515 | 0.0962 U |
| | 12/10/08 | 0.241 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.117 | 0.0990 U |
| MW-143 | 10/22/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| | 12/16/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-147 | 10/21/08 | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.150 J | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| | 12/09/08 | 5.70 D | 1.00 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 1.00 U | 1.00 U | 1.00 U |
| MW-149R | 10/21/08 | 0.0971 U | 0.0971 U | 0.138 J | 0.0971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.199 J | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| | 12/09/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-150 | 10/21/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/09/08 | 0.0952 U | 0.0952 U | 0.0952 U | 0.0952 U | 0.0952 U | 0.00952 U | 0.00952 U | 0.00952 U | 0.0952 U | 0.00952 U | 0.00952 U | 0.00952 U | 0.0952 U | 0.0952 U | 0.00952 U | 0.0952 U | 0.0952 U | 0.0952 U |
| MW-500 | 10/27/08 | 3.60 | 2.06 | 0.359 | 0.0943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.629 | 0.00943 U | 1.57 | 0.198 | 0.0943 U |
| | 12/15/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-501 | 10/24/08 | 0.111 U | 0.111 U | 0.111 U | 0.111 U | 0.111 U | 0.0111 U | 0.0111 U | 0.0111 U | 0.111 U | 0.0111 U | 0.0111 U | 0.0111 U | 0.111 U | 0.111 U | 0.0111 U | 0.374 | 0.111 U | 0.111 U |
| | 12/15/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-502 | 10/24/08 | 11.2 D | 0.100 U | 0.479 | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 1.08 | 0.0100 U | NA | 0.100 U | 0.100 U |
| | 12/12/08 | 1.79 | 0.100 U | 0.226 | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.440 | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| MW-503 | 10/27/08 | 0.0943 U | 0.0943 U | 0.0943 U | 0.0943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.0943 U | 0.00943 U | 0.0943 U | 0.0943 U | 0.0943 U |
| | 12/12/08 | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.0962 U | 0.0962 U | 0.0962 U |
| MW-504 | 10/24/08 | 0.883 | 0.215 | 0.111 U | 0.111 U | 0.111 U | 0.0111 U | 0.0111 U | 0.0111 U | 0.111 U | 0.0111 U | 0.0111 U | 0.0111 U | 0.111 U | 0.167 | 0.0111 U | 0.793 | 0.111 U | 0.111 U |
| | 12/12/08 | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] |
| MW-505 | 10/24/08 | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.0100 U [0.00962 U] | 0.0100 U [0.00962 U] | 0.0100 U [0.00962 U] | 0.100 U [0.0962 U] | 0.0100 U [0.00962 U] | 0.0100 U [0.00962 U] | 0.0100 U [0.00962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.0100 U [0.00962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] | 0.100 U [0.0962 U] |
| | 12/15/08 | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.00943 U [0.00943 U] | 0.00943 U [0.00943 U] | 0.00943 U [0.00943 U] | 0.0943 U [0.0943 U] | 0.00943 U [0.00943 U] | 0.00943 U [0.00943 U] | 0.00943 U [0.00943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.00943 U [0.00943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] | 0.0943 U [0.0943 U] |
| MW-506 | 10/24/08 | 0.0982 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/12/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-507 | 10/24/08 | 2.52 | 0.0971 U | 0.280 | 0.0971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.357 | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| | 12/12/08 | 0.212 | 0.0990 U | 0.141 | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.186 | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-508 | 10/24/08 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/11/08 | 0.101 U | 0.101 U | 0.101 U | 0.101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.101 U | 0.0101 U | 0.101 U | 0.101 U | 0.101 U |
| MW-509 | 10/23/08 | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.00971 U | 0.00971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.00971 U | 0.0971 U | 0.0971 U | 0.0971 U |
| | 12/11/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-510 | 10/23/08 | 5.74 J | 2.07 J | 1.98 U | 1.98 U | 1.98 U | 0.198 U | 0.198 U | 0.198 U | 1.98 U | 0.198 U | 0.198 U | 0.198 U | 1.98 U | 1.98 U | 0.198 U | 1.98 U | 1.98 U | 1.98 U |
| | 12/11/08 | 0.990 UJ | 0.990 UJ | 0.990 UJ | 0.990 UJ | 0.990 UJ | 0.0990 UJ | 0.0990 UJ | 0.0990 UJ | 0.990 UJ | 0.0990 UJ | 0.0990 UJ | 0.0990 UJ | 0.990 UJ | 0.990 UJ | 0.0990 UJ | 0.990 UJ | 0.990 UJ | 0.990 UJ |
| MW-511 | 10/24/08 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/12/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-512 | 10/23/08 | 0.410 | 0.101 U | 0.132 | 0.101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.320 | 0.0101 U | 0.401 | 0.101 U | 0.101 U |
| | 12/11/08 | 2.24 | 0.213 | 0.237 | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.562 | 0.00980 U | 1.17 | 0.111 | 0.0980 U |
| MW-513 | 10/23/08 | 1.47 | 0.114 | 0.581 | 0.100 U | 0.159 | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 1.32 | 0.0100 U | 1.15 | 0.137 | 0.100 U |
| | 12/10/08 | 1.05 | 0.0980 U | 0.614 | 0.0980 U | 0.150 | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 1.25 | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-514 | 10/23/08 | 4.94 D | 0.843 | 0.603 | 0.0943 U | 0.122 | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 1.29 | 0.00943 U | 2.21 | 0.260 | 0.0943 U |
| | 12/10/08 | 4.23 D [2.54] | 1.38 J [0.819 J] | 0.573 [0.528] | 0.0971 U [0.100 U] | 0.0971 U [0.100 U] | 0.00971 U [0.0100 U] | 0.00971 U [0.0100 U] | 0.00971 U [0.0100 U] | 0.0971 U [0.100 U] | 0.00971 U [0.0100 U] | 0.00971 U [0.0100 U] | 0.00971 U [0.0100 U] | 0.0971 U [0.100 U] | 1.17 [1.11] | 0.00971 U [0.0100 U] | 1.87 [1.86] | 0.347 [0.336] | 0.0971 U [0.100 U] |
| MW-515 | 10/22/08 | 0.384 [0.499] | 0.107 [0.145] | 0.166 [0.160] | 0.0980 U [0.0980 U] | 0.0980 U [0.0980 U] | 0.00980 U [0.00980 U] | 0.00980 U [0.00980 U] | 0.00980 U [0.00980 U] | 0.0980 U [0.0980 U] | 0.00980 U [0.00980 U] | 0.00980 U [0.00980 U] | 0.00980 U [0.00980 U] | 0.0980 U [0.0980 U] | 0.691 [0.852] | 0.00980 U [0.00980 U] | 0.0980 U [0.0980 U] | 0.290 [0.403] | 0.0980 U [0.0980 U] |
| | 12/10/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-516 | 10/22/08 | 0.518 | 0.247 | 0.0943 U | 0.0943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.00943 U | 0.00943 U | 0.00943 U | 0.0943 U | 0.431 | 0.00943 U | 0.0943 U | 0.0943 U | 0.0943 U |
| | 12/10/08 | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.148 | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| MW-517 | 10/22/08 | 0.274 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.546 | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/10/08 | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.251 | 0.00962 U | 0.0962 U | 0.0962 U | 0.0962 U |
| MW-518 | 10/22/08 | 2.62 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| | 12/10/08 | 3.44 | 3.58 | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-519 | 10/22/08 | 0.100 UJ [0.449 J] | 0.100 U [0.165] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.0100 U [0.00990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] | 0.0100 U [0.00990 U] | 0.116 [0.0990 U] | 0.100 U [0.0990 U] | 0.100 U [0.0990 U] |
| | 12/09/08 | 0.154 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| MW-520 | 10/21/08 | 3.57 J | 2.33 J | 0.227 J | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.393 J | 0.0100 U | 0.100 U | 0.206 J | 0.100 U |
| | 12/09/08 | 0.606 | 0.101 U | 0.107 | 0.101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.163 | 0.0101 U | 0.101 U | 0.101 U | 0.101 U |
| MW-521 | 10/21/08 | 0.166 J | 0.0990 U | 0.0990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.00990 U | 0.00990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.00990 U | 0.0990 U | 0.0990 U | 0.0990 U |
| | 12/09/08 | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.0100 U | 0.0100 U | 0.0100 U | 0.100 U | 0.100 U | 0.0100 U | 0.100 U | 0.100 U | 0.100 U |
| MW-522 | 10/21/08 | 3.03 J | 0.725 J | 0.473 J | 0.472 U | 0.472 U | 0.0472 U | 0.0472 U | 0.0472 U | 0.472 U | 0.0472 U | 0.0472 U | 0.0472 U | 0.472 U | 0.866 J | 0.0472 U | 0.756 J | 0.472 U | 0.472 U |
| | 12/09/08 | 0.137 [0.206] | 0.0990 U [0.100 U] | 0.157 [0.196] | 0.0990 U [0.100 U] | 0.0990 U [0.100 U] | 0.00990 U [0.0100 U] | 0.00990 U [0.0100 U] | 0.00990 U [0.0100 U] | 0.0990 U [0.100 U] | 0.00990 U [0.0100 U] | 0.00990 U [0.0100 U] | 0.00990 U [0.0100 U] | 0.0990 U [0.100 U] | 0.232 [0.317] | 0.00990 U [0.0100 U] | 0.292 [0.100 U] | 0.0990 U [0.100 U] | 0.0990 U [0.100 U] |
| MW-523 | 10/21/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |
| | 12/09/08 | 0.101 U | 0.101 U | 0.101 U | 0.101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.0101 U | 0.0101 U | 0.0101 U | 0.101 U | 0.101 U | 0.0101 U | 0.176 | 0.101 U | 0.101 U |
| MW-524 | 10/21/08 | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.00962 U | 0.00962 U | 0.00962 U | 0.0962 U | 0.0962 U | 0.00962 U | 0.0962 U | 0.0962 U | 0.0962 U |
| | 12/09/08 | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.00980 U | 0.00980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.00980 U | 0.0980 U | 0.0980 U | 0.0980 U |

**Notes:**
All results are reported in micrograms per liter (µg/l)
cPAHs = Carcinogenic Polynuclear Aromatic Hydrocarbons. Analyzed by EPA Method 8270C-HVI.
[ ] = Bracketed data indicate duplicate samples.
Highlighted cell = Exceeds site specific CUL

| Lab Qualifiers | Definition |
|---|---|
| D | Compound quantitated using a secondary dilution. |
| J | Indicates an estimated value. |
| JK | Results in the diesel organic range are primarily due to overlap from a gasoline range product. |
| JZ | Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons. |
| U | The compound was analyzed for but not detected. The associated value is the compound quantitation limit. |
| UJ | The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit. |

**Table 5**

Summary of Groundwater Analytical Data
Natural Attenuation Parameters
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | Temperature (°F)[1] | pH[1] | DO (mg/L)[1] | ORP (mV)[1] | Total Alkalinity (mg/L as CaCO3)[2] | Sulfate (mg/L)[3] | Nitrate (mg/L)[3] | Methane (µg/L)[4] | Manganese (mg/L)[5] | Nitrate by Field Measurement (mg/L)[6] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LM-2 | 10/23/08 | 57.54 | 3.51 | 0.39 | 222.94 | 5.00 U | 914 | 1.00 UJ | 28.1 | 0.349 | 4.0 |
| | 12/11/08 | 53.17 | 3.89 | 0.17 | 338.86 | 5.00 U | 942 | 0.200 U | 46.9 | 0.358 | 5.0 |
| MW-8R | 10/21/08 | 61.34 | 6.65 | -0.02 | -100.66 | 217 | 50.6 | 0.200 U | 304 | 1.49 | 1.2 |
| | 12/09/08 | 54.32 | 6.83 | 0.40 | -132.57 | 180 | 58.1 | 0.200 U | 299 | 0.664 | 1.2 |
| MW-20R | 10/22/08 | 55.85 | 6.68 | 0.15 | -63.43 | 306 | 283 | 0.200 U | 771 | 2.97 | 6.0 |
| | 12/10/08 | 54.77 | 6.63 | 0.00 | -88.61 | 263 | 238 | 0.200 U | 886 | 1.63 | 4.1 |
| MW-101 | 10/22/08 | 59.63 | 6.13 | 0.19 | 64.36 | 42.0 | 96.2 | 0.210 | 170 | 1.33 | 3.6 |
| | 12/10/08 | 55.79 | 5.99 | 0.41 | 132.69 | 50.0 | 41.0 | 0.450 | 708 | 3.32 | 2.2 |
| MW-104 | 10/22/08 | 58.72 | 6.26 | -0.01 | -13.09 | 35.6 | 66.6 | 0.200 U | 594 | 1.02 | 4.0 |
| | 12/10/08 | 55.07 | 6.24 | 0.22 | 30.53 | 53.8 | 23.1 | 0.200 U | 1,160 | 1.13 | 3.0 |
| MW-108 | 10/23/08 | 53.88 | 6.26 | 0.20 | -83.53 | 509 | 373 | 1.00 UJ | 2,390 D | 0.208 | 1.4 |
| | 12/11/08 | 50.51 | 6.29 | 0.01 | -184.14 | 557 | 288 | 0.200 U | 1,410 D | 0.242 | 1.2 |
| MW-109 | 10/23/08 | 54.91 | 6.22 | 1.34 | -194.55 | 342 | 693 | 1.00 UJ | 785 | 1.59 | 0.6 |
| | 12/12/08 | 51.03 | 6.29 | 0.80 | -193.01 | 291 | 640 | 0.200 U | 560 | 0.528 | 0.2 |
| MW-129R | 10/24/08 | 54.76 | 6.45 | -0.02 | -33.84 | 502 | 23.8 | 0.200 U | 1,930 | 5.74 | 5.9 |
| | 12/12/08 | 51.10 | 6.62 | 0.12 | -76.86 | 469 | 91.6 | 0.200 U | 1,600 D | 10.3 | 5.4 |
| MW-135 | 10/27/08 | 54.94 | 6.51 | -0.03 | -60.48 | 959 | 4.12 | 0.200 U | 10,800 D | 2.68 | 4.0 |
| | 12/15/08 | 49.73 | 6.59 | -0.09 | -81.98 | 1,070 | 1.43 | 0.200 U | 7,170 D | 2.69 | 2.2 |
| MW-136 | 10/27/08 | 53.88 | 6.34 | 0.06 | -57.07 | 851 | 0.420 | 0.200 U | 16,800 D | 3.19 | 4.2 |
| | 12/15/08 | 46.47 | 6.31 | 0.17 | -99.68 | 629 | 32.5 | 0.200 U | 9,050 D | 4.31 | 2.8 |
| MW-139R | 10/22/08 | 63.60 | 6.87 | 0.01 | -22.31 | 243 | 64.8 | 0.200 U | 864 | 2.48 | 1.0 |
| | 12/10/08 | 54.36 | 6.96 | 0.78 | 15.38 | 167 | 76.1 | 0.200 | 12.5 | 0.902 | 0.5 |
| MW-143 | 10/22/08 | 59.41 | 6.49 | 0.01 | -49.00 | 142 | 34.4 | 0.200 U | 2,210 D | 1.26 | 5.4 |
| | 12/16/08 | 50.76 | 6.39 | 0.06 | -73.14 | 194 | 12.9 | 0.200 U | 7,630 D | 3.82 | 3.2 |
| MW-147 | 10/21/08 | 58.43 | 6.24 | -0.02 | -18.40 | 131 | 67.2 | 0.200 U | 330 | 2.38 | 5.2 |
| | 12/09/08 | 52.49 | 6.42 | 0.18 | -104.13 | 301 | 141 | 0.200 U | 895 | 4.16 | 6.4 |
| MW-149R | 10/21/08 | 58.41 | 6.56 | 0.09 | -34.31 | 225 | 52.5 | 0.200 U | 1,610 D | 0.963 | 1.6 |
| | 12/09/08 | 52.55 | 6.22 | 0.17 | 101.87 | 117 | 165 | 0.200 U | 224 | 1.06 | 0.6 |
| MW-150 | 10/21/08 | 58.35 | 6.52 | -0.05 | 25.37 | 444 | 68.7 | 0.200 U | 622 | 1.52 | 1.4 |
| | 12/09/08 | 52.71 | 6.54 | 0.20 | 32.64 | 440 | 134 | 0.200 U | 389 | 1.52 | 1.8 |
| MW-500 | 10/27/08 | 60.04 | 6.44 | 0.05 | -10.17 | 977 | 172 | 0.200 U | 8,590 D | 0.970 | 4.2 |
| | 12/15/08 | 48.50 | 6.73 | 0.50 | 76.79 | 362 | 134 | 0.230 | 1,940 D | 0.511 | 0.0 |
| MW-501 | 10/24/08 | 60.21 | 6.53 | -0.02 | -27.98 | 1,700 | 59.2 | 0.200 U | 10,500 DJ | 3.49 | 5.0 |
| | 12/15/08 | 51.44 | 6.66 | 4.55 | 91.22 | 269 | 55.4 | 1.73 | 91.9 | 0.0552 | 0.0 |
| MW-502 | 10/24/08 | 59.77 | 6.31 | 0.05 | -36.88 | 98.0 | 70.2 | 0.200 U | 98.8 D | 1.10 | 6.4 |
| | 12/12/08 | 53.20 | 6.36 | 0.04 | -33.02 | 87.2 | 63.4 | 0.200 U | 67.0 | 0.739 | 3.2 |
| MW-503 | 10/27/08 | 58.09 | 6.21 | 0.00 | -44.22 | 189 | 8.44 | 0.200 U | 478 | 0.139 | 3.0 |
| | 12/12/08 | 54.35 | 6.36 | 0.07 | -38.20 | 169 | 9.51 | 0.200 U | 306 | 0.188 | 4.6 |
| MW-504 | 10/24/08 | 58.92 | 6.73 | 0.08 | 5.06 | 435 | 64.2 | 0.200 U | 1,970 D | 3.24 | 0.8 |
| | 12/12/08 | 49.76 | 6.98 | 0.24 | 36.78 | 261 | 188 | 0.710 | 269 | 1.14 | 0.2 |
| MW-505 | 10/24/08 | 56.61 | 6.77 | 0.42 | 23.88 | 289 | 119 | 0.540 | 961 | 2.41 | 0.6 |
| | 12/15/08 | 51.14 | 6.89 | 2.25 | 68.13 | 216 | 144 | 0.630 | 219 | 1.42 | 0.0 |
| MW-506 | 10/24/08 | 58.38 | 6.90 | -0.03 | -3.02 | 238 | 147 | 0.200 U | 2,820 D | 1.42 | 0.8 |
| | 12/12/08 | 49.85 | 6.88 | 0.35 | 52.81 | 186 | 90.7 | 0.210 | 1,770 D | 1.61 | 0.4 |
| MW-507 | 10/24/08 | 58.31 | 6.54 | 0.01 | -93.26 | 214 | 80.7 | 0.200 U | 1,110 D | 5.10 | 6.0 |
| | 12/12/08 | 52.21 | 6.61 | 0.07 | -46.04 | 297 | 151 | 0.200 U | 850 | 3.31 | 3.8 |
| MW-508 | 10/24/08 | 58.26 | 6.80 | 0.09 | -18.99 | 430 | 141 | 0.200 U | 1,630 D | 0.248 | 0.4 |
| | 12/11/08 | 53.93 | 6.52 | 0.12 | 79.75 | 209 | 205 | 0.660 | 641 | 1.38 | 0.2 |
| MW-509 | 10/23/08 | 59.60 | 6.62 | 0.23 | 44.82 | 185 | 66.0 | 0.260 | 514 | 0.926 | 0.4 |
| | 12/11/08 | 50.47 | 6.83 | 1.34 | 113.25 | 90.0 | 66.2 | 1.92 | 52.5 | 0.450 | 0.4 |
| MW-510 | 10/23/08 | 57.02 | 6.60 | 0.16 | -1.59 | 512 | 9.78 | 0.200 U | 7,480 D | 0.221 | 1.2 |
| | 12/11/08 | 52.98 | 6.60 | 0.28 | -81.60 | 468 | 12.0 | 0.200 U | 3,990 D | 0.483 | 1.4 |
| MW-511 | 10/24/08 | 55.73 | 6.59 | 0.41 | 25.86 | 122 | 23.1 | 0.350 | 1.63 | 0.289 | 0.2 |
| | 12/12/08 | 51.90 | 6.44 | 1.84 | 122.09 | 110 | 25.2 | 0.940 | 1.20 U | 0.446 | 0.2 |
| MW-512 | 10/23/08 | 60.03 | 6.54 | -0.04 | 14.55 | 150 | 30.8 | 0.200 U | 1,200 D | 1.56 | 1.2 |
| | 12/11/08 | 53.48 | 6.58 | 0.01 | -48.08 | 199 | 31.4 | 0.200 U | 765 | 2.30 | 2.0 |
| MW-513 | 10/23/08 | 58.08 | 6.78 | -0.06 | -63.03 | 182 | 19.3 | 0.200 U | 523 | 2.09 | 2.0 |
| | 12/10/08 | 55.20 | 6.73 | -0.06 | -103.79 | 197 | 23.9 | 0.200 U | 465 | 2.18 | 2.8 |
| MW-514 | 10/23/08 | 59.15 | 6.81 | -0.05 | -69.84 | 182 | 17.4 | 0.230 | 200 | 1.62 | 2.2 |
| | 12/10/08 | 55.53 | 6.74 | 0.01 | -105.01 | 191 | 29.2 | 0.200 U | 428 | 2.89 | 2.8 |
| MW-515 | 10/22/08 | 62.15 | 6.60 | 0.00 | 23.35 | 174 | 36.2 | 0.200 U | 395 | 2.46 | 1.1 |
| | 12/10/08 | 53.51 | 6.66 | 0.03 | 73.86 | 131 | 78.2 | 0.560 | 12.7 | 1.32 | 0.0 |

**Table 5**

Summary of Groundwater Analytical Data
Natural Attenuation Parameters
Former Unocal Terminal
11720 Unoco Road
Edmonds, Washington

| Monitoring Well | Date Sampled | Temperature (°F)[1] | pH[1] | DO (mg/L)[1] | ORP (mV)[1] | Total Alkalinity (mg/L as CaCO3)[2] | Sulfate (mg/L)[3] | Nitrate (mg/L)[3] | Methane (µg/L)[4] | Manganese (mg/L)[5] | Nitrate by Field Measurement (mg/L)[6] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-516 | 10/22/08 | 60.37 | 6.75 | 0.21 | 22.93 | 175 | 43.2 | 0.200 U | 439 | 2.23 | 0.4 |
| | 12/10/08 | 53.18 | 6.64 | 0.03 | 54.04 | 149 | 57.6 | 0.330 | 22.0 | 1.58 | 0.0 |
| MW-517 | 10/22/08 | 59.72 | 6.52 | 0.10 | 15.95 | 156 | 39.3 | 0.200 U | 1,080 D | 3.17 | 0.6 |
| | 12/10/08 | 52.71 | 6.51 | -0.04 | 63.88 | 161 | 47.4 | 0.200 U | 394 | 1.81 | 0.0 |
| MW-518 | 10/22/08 | 61.89 | 6.46 | 0.10 | 6.25 | 194 | 93.4 | 0.200 U | 2,380 D | 1.60 | 3.0 |
| | 12/10/08 | 56.07 | 6.64 | 0.08 | 22.59 | 247 | 32.5 | 0.200 U | 1,920 D | 2.22 | 1.6 |
| MW-519 | 10/22/08 | 58.05 | 6.55 | -0.02 | -34.53 | 217 | 29.8 | 0.200 U | 6,780 D | 1.31 | 3.6 |
| | 12/09/08 | 53.23 | 6.64 | 0.11 | -70.36 | 250 | 30.0 | 0.200 U | 9,760 D | 1.34 | 3.2 |
| MW-520 | 10/21/08 | 59.76 | 6.79 | 0.02 | -14.62 | 212 | 32.0 | 0.200 U | 2,230 D | 1.58 | 1.4 |
| | 12/09/08 | 53.17 | 6.81 | 0.12 | -89.46 | 189 | 28.7 | 0.200 U | 2,240 D | 1.48 | 1.4 |
| MW-521 | 10/21/08 | 59.50 | 6.57 | -0.01 | 4.73 | 172 | 63.9 | 0.200 U | 888 | 1.42 | 0.9 |
| | 12/09/08 | 53.28 | 6.77 | 0.38 | -70.66 | 174 | 37.3 | 0.200 U | 1,310 | 1.48 | 0.5 |
| MW-522 | 10/21/08 | 62.31 | 6.57 | 0.06 | -47.72 | 251 | 18.0 | 0.200 U | 972 | 1.70 | 5.2 |
| | 12/09/08 | 53.30 | 6.71 | 0.14 | -98.92 | 200 | 73.9 | 0.200 U | 297 | 1.07 | 5.2 |
| MW-523 | 10/21/08 | 61.66 | 6.66 | 0.01 | 24.73 | 221 | 45.7 | 0.200 U | 1,940 D | 3.28 | 0.8 |
| | 12/09/08 | 54.24 | 6.71 | 0.31 | 31.67 | 218 | 53.2 | 0.200 U | 482 | 3.01 | 0.6 |
| MW-524 | 10/21/08 | 60.03 | 6.46 | -0.04 | 16.91 | 115 | 402 | 0.340 | 51.0 | 0.623 | 1.6 |
| | 12/09/08 | 52.74 | 6.58 | 2.81 | 154.94 | 70.6 | 172 | 0.620 | 2.10 | 0.0353 | 0.0 |

**Notes:**

[1]: Temperature, pH, DO and ORP measured using an In-Situ® 9500 and flow through cell.

[2]: Total Alkalinity analyzed using EPA method 310.1

[3]: Sulfate and nitrate analyzed by EPA method 300.0.

[4]: Methane analyzed using method RSK 175.

[5]: Manganese analyzed using EPA method 6020.

[6]: Nitrate field measurement analyzed using a Hach field kit.

°F = Degrees Fahrenheit
DO = Dissolved oxygen
mg/L = milligrams per liter
µg/L = micrograms per liter
ORP = Oxidation-reduction potential
mV = millivolts
$CaCO_3$ = Calcium carbonate
EPA = Environemental Protection Agency

| Lab Qualifier | Definition |
|---|---|
| D | Compound quantitated using a secondary dilution. |
| U | The compound was analyzed for but not detected. The associated value is the compound quantitation limit. |
| UJ | The compound was analyzed for but not detected. The associated value is the estimated compound quantitation limit. |