**VOLUME II**

# APPENDIX C PHASE III ANALYTICAL DATA

# RCRA FACILITY INVESTIGATION

# PHASE III RFI DRAFT REPORT

EQUILON
ENTERPRISES LLC
Shell & Texaco Working Together

*Prepared for*
Equilon Wood River Refining Company
Roxana, Illinois

May 2000

URS Greiner Woodward Clyde

URS Greiner Woodward-Clyde
2318 Millpark Drive
Maryland Heights, MO 63043
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# APPENDIXC

## Phase III Analytical Data

Note: Sediments had high reporting limits

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS300001110399 00S | SS300006110399 00S | SS300018110399 00S | SS301008110399 00S | SS301020110399 00S | SS302001110499 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917427*1 | S917427*2 | S917427*4 | S917427*3 | S917427*5 | S917482*5 |
| SAMPLE DATE | | 11/03/99 | 11/03/99 | 11/03/99 | 11/03/99 | 11/03/99 | 11/04/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | **UNITS** | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Carbon disulfide | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Chloroform | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| 1,2-Dichloroethane | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| 2-Butanone (MEK) | ug/kg dw | 160U | 120U | 120U | 170U | 120U | 30U |
| Benzene | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Toluene | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Chlorobenzene | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Ethylbenzene | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Styrene | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| Xylenes, Total | ug/kg dw | 7.9U | 6.0U | 20 | 8.6U | 5.8U | 5.9U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 7.9U | 6.0U | 5.8U | 8.6U | 5.8U | 5.9U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Butylbenzylphthalate | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Di-n-butylphthalate | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Diethylphthalate | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Dimethylphthalate | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Cresol, m & p | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Cresol (ortho) | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 2,4-Dimethylphenol | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 2,4-Dinitrophenol | ug/kg dw | 4600U | 4300U | 3400U | 5000U | 3500U | 3800U |
| Phenol | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Pyridine | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 1,4-Dioxane | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| 1-Methylnaphthalene | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Quinoline | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |
| Benzenethiol | ug/kg dw | 910U | 860U | 680U | 990U | 700U | 750U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS300001110399 00S | SS300006110399 00S | SS300018110399 00S | SS301008110399 00S | SS301020110399 00S | SS302001110499 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917427*1 | S917427*2 | S917427*4 | S917427*3 | S917427*5 | S917482*5 |
| SAMPLE DATE | | 11/03/99 | 11/03/99 | 11/03/99 | 11/03/99 | 11/03/99 | 11/04/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 270U | 65U | 52U | 75U | 210U | 56U |
| Anthracene | ug/kg dw | 220 | 15 | 11 | 6.8 | 13 | 9.8 |
| Benzo(a)anthracene | ug/kg dw | 22U | 13 | 4.2U | 6.0U | 4.2U | 28P |
| Benzo(a)pyrene | ug/kg dw | 22U | 11P | 4.2U | 6.0U | 4.2U | 20 |
| Benzo(b)fluoranthene | ug/kg dw | 29 | 24P | 4.2U | 6.0U | 4.2U | 12P |
| Benzo(g,h,i)perylene | ug/kg dw | 55U | 48P | 10U | 15U | 11U | 50P |
| Benzo(k)fluoranthene | ug/kg dw | 55U | 5.2U | 4.2U | 6.0U | 4.2U | 4.5U |
| Chrysene | ug/kg dw | 26 | 45P | 4.2U | 12 | 4.2U | 36P |
| Dibenzo(a,h)anthracene | ug/kg dw | 55U | 110 | 10U | 15U | 11U | 22 |
| Fluoranthene | ug/kg dw | 55U | 20P | 10U | 15U | 11U | 61 |
| Fluorene | ug/kg dw | 55U | 13U | 10U | 15U | 21 | 11U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 55U | 19 | 10U | 15U | 11U | 14P |
| Naphthalene | ug/kg dw | 110U | 26U | 21U | 30U | 21U | 22U |
| Phenanthrene | ug/kg dw | 43 | 13 | 4.2 | 6.0U | 7.1 | 27P |
| Pyrene | ug/kg dw | 55U | 37 | 10U | 15U | 11U | 54P |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 1.4U | 16UN | 13UN | 18UN | 13UN | 2.3UN |
| Arsenic | mg/kg dw | 6 | 5.8 | 0.94 | 4.3 | 1 | 7.2 |
| Barium | mg/kg dw | 230 | 120 | 42U | 250 | 43U | 170 |
| Beryllium | mg/kg dw | 1.1 | 0.86 | 0.11 | 1.2 | 0.13 | 0.65 |
| Cadmium | mg/kg dw | 0.56U | 0.53U | 0.42U | 0.61U | 0.43U | 0.57U |
| Chromium | mg/kg dw | 25 | 21 | 9.6 | 27 | 5.4 | 17 |
| Cobalt | mg/kg dw | 14U | 13U | 11U | 15U | 43U | 11U |
| Lead | mg/kg dw | 25 | 13 | 2.1 | 15 | 2.3 | 25 |
| Nickel | mg/kg dw | 22 | 20 | 11 | 26 | 12 | 21 |
| Selenium | mg/kg dw | 1.4U | 1.3U | 1.1U | 1.5U | 1.1U | 1.1U |
| Vanadium | mg/kg dw | 44 | 28 | 11 | 46 | 13 | 35 |
| Zinc | mg/kg dw | | | | | | |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.53U | 0.50U | 0.41U | 0.59U | 0.42U | 0.44U |
| **Cyanide, Total** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.4U | 1.3U | 1.1U | 1.5U | 1.1U | 1.1U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | 6.43 | | 6.82 | 7.37 |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | 530U | | 1400 | 16000 |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS302004112399 00S | SS302014110499 00S | SS302024110499 00S | SS303001110499 00S | SS303004110499 00S | SS303008110499 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*3 | S917482*1 | S917482*2 | S917482*6 | S917482*7 | S917482*3 |
| SAMPLE DATE | | 11/23/99 | 11/04/99 | 11/04/99 | 11/04/99 | 11/04/99 | 11/04/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Carbon disulfide | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Chloroform | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| 1,2-Dichloroethane | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| 2-Butanone (MEK) | ug/kg dw | | 140U | 96U | 100U | 94U | 30U |
| Benzene | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Toluene | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Chlorobenzene | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Ethylbenzene | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Styrene | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| Xylenes, Total | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | 6.9U | 4.8U | 5.1U | 4.7U | 6.1U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Butylbenzylphthalate | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Di-n-butylphthalate | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Diethylphthalate | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Dimethylphthalate | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Cresol, m & p | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Cresol (ortho) | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 2,4-Dimethylphenol | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 2,4-Dinitrophenol | ug/kg dw | | 4400U | 3500U | 3800U | 7300U | 24000U |
| Phenol | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Pyridine | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 1,4-Dioxane | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| 1-Methylnaphthalene | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Quinoline | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |
| Benzenethiol | ug/kg dw | | 880U | 700U | 760U | 1400U | 4800U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS302004112399 00S | SS302014110499 00S | SS302024110499 00S | SS303001110499 00S | SS303004110499 00S | SS303008110499 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*3 | S917482*1 | S917482*2 | S917482*6 | S917482*7 | S917482*3 |
| SAMPLE DATE | | 11/23/99 | 11/04/99 | 11/04/99 | 11/04/99 | 11/04/99 | 11/04/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | 130U | 54U | 58U | 550U | 330U |
| Anthracene | ug/kg dw | | 27 | 16 | 15 | 130 | 120 |
| Benzo(a)anthracene | ug/kg dw | | 23P | 7.3P | 19 | 350P | 26U |
| Benzo(a)pyrene | ug/kg dw | | 14 | 5.2 | 32 | 190 | 26U |
| Benzo(b)fluoranthene | ug/kg dw | | 10U | 4.2U | 23P | 140 | 26U |
| Benzo(g,h,i)perylene | ug/kg dw | | 26U | 10U | 44 | 210 | 66U |
| Benzo(k)fluoranthene | ug/kg dw | | 10U | 4.2U | 14P | 44U | 26U |
| Chrysene | ug/kg dw | | 45 | 11 | 35 | 410 | 26U |
| Dibenzo(a,h)anthracene | ug/kg dw | | 26U | 10U | 21P | 110U | 66U |
| Fluoranthene | ug/kg dw | | 26U | 24 | 36 | 230P | 66U |
| Fluorene | ug/kg dw | | 26U | 10U | 12U | 110U | 66U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | 26U | 10U | 15 | 110U | 66U |
| Naphthalene | ug/kg dw | | 51U | 21U | 23U | 220U | 130U |
| Phenanthrene | ug/kg dw | | 30 | 12 | 19P | 190 | 32 |
| Pyrene | ug/kg dw | | 53 | 13P | 25P | 370P | 66U |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | | 16UN | 13UN | 14UN | 13UN | 16UN |
| Arsenic | mg/kg dw | | 9.5 | 1.2 | 7 | 4.6 | 2.1 |
| Barium | mg/kg dw | | 220 | 43U | 99 | 79 | 52U |
| Beryllium | mg/kg dw | | 1.2 | 0.19 | 0.37 | 0.35 | 0.47 |
| Cadmium | mg/kg dw | | 0.54U | 0.43U | 0.59U | 0.56U | 0.52U |
| Chromium | mg/kg dw | | 30 | 7.4 | 11 | 11 | 13 |
| Cobalt | mg/kg dw | | 14U | 11U | 12U | 11U | 13U |
| Lead | mg/kg dw | | 19 | 3.4 | 42 | 15 | 8.4 |
| Nickel | mg/kg dw | | 31 | 8.6U | 15 | 13 | 15 |
| Selenium | mg/kg dw | | 1.4U | 1.1U | 1.2U | 1.1U | 1.3U |
| Vanadium | mg/kg dw | | 59 | 13 | 24 | 23 | 21 |
| Zinc | mg/kg dw | | | | | | |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | | 0.49U | 0.41U | 0.47U | 0.45U | 0.52U |
| **Cyanide, Total** | | | | | | | |
| Cyanide, Total | mg/kg dw | | 1.4U | 1.1U | 1.2U | 1.1U | 1.3U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 7.18 | | | 7.75 | 7.91 | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 9800 | | | 4600 | 8200 | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | 38 | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS30300811049900D | SS30301211049900S | SS30302211049900S | SS30400111059900S | SS30400411059900S | SS30402011105900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917482*4 | S917482*9 | S917482*8 | S917515*1 | S917515*2 | S917515*3 |
| SAMPLE DATE | | 11/04/99 | 11/04/99 | 11/04/99 | 11/05/99 | 11/05/99 | 11/05/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Carbon disulfide | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Chloroform | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| 1,2-Dichloroethane | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| 2-Butanone (MEK) | ug/kg dw | 120U | | 120U | 97U | 160U | 100U |
| Benzene | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Toluene | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Chlorobenzene | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Ethylbenzene | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Styrene | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| Xylenes, Total | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.9U | | 5.9U | 4.8U | 6.3U | 5.1U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Butylbenzylphthalate | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Di-n-butylphthalate | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Diethylphthalate | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Dimethylphthalate | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Cresol, m & p | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Cresol (ortho) | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 2,4-Dimethylphenol | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 2,4-Dinitrophenol | ug/kg dw | 7900U | | 23000U | 3700U | 37000U | 3800U |
| Phenol | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Pyridine | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 1,4-Dioxane | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| 1-Methylnaphthalene | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Quinoline | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |
| Benzenethiol | ug/kg dw | 1600U | | 4600U | 740U | 7400U | 760U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS303008110499 00D | SS303012110499 00S | SS303022110499 00S | SS304001110599 00S | SS304004110599 00S | SS304020111059 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917482*4 | S917482*9 | S917482*8 | S917515*1 | S917515*2 | S917515*3 |
| SAMPLE DATE | | 11/04/99 | 11/04/99 | 11/04/99 | 11/05/99 | 11/05/99 | 11/05/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 60U | | 120U | 55U | 560U | 60U |
| Anthracene | ug/kg dw | 20 | | 27 | 9.5 | 44U | 82 |
| Benzo(a)anthracene | ug/kg dw | 28 | | 9.6U | 28 | 280P | 53P |
| Benzo(a)pyrene | ug/kg dw | 8.2 | | 9.6U | 21P | 54P | 6.9P |
| Benzo(b)fluoranthene | ug/kg dw | 4.8U | | 9.6U | 27 | 62P | 12P |
| Benzo(g,h,i)perylene | ug/kg dw | 12U | | 24U | 43 | 110U | 21P |
| Benzo(k)fluoranthene | ug/kg dw | 4.8U | | 9.6U | 6.6P | 44U | 4.7U |
| Chrysene | ug/kg dw | 22P | | 9.6U | 42 | 400P | 54 |
| Dibenzo(a,h)anthracene | ug/kg dw | 12U | | 24U | 30P | 110U | 12U |
| Fluoranthene | ug/kg dw | 38P | | 24U | 32P | 110U | 32P |
| Fluorene | ug/kg dw | 12U | | 24U | 11U | 110U | 22 |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 12U | | 24U | 11U | 110U | 12U |
| Naphthalene | ug/kg dw | 24U | | 48U | 22U | 220U | 24U |
| Phenanthrene | ug/kg dw | 24 | | 16 | 62 | 44U | 150 |
| Pyrene | ug/kg dw | 33P | | 24U | 34P | 110U | 73P |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 15UN | | 15UN | 13UN | 14UN | 14UN |
| Arsenic | mg/kg dw | 2.3 | | 3.4 | 3.5 | 3.6 | 2.8 |
| Barium | mg/kg dw | 150 | | 91 | 74 | 45U | 85 |
| Beryllium | mg/kg dw | 0.63 | | 0.58 | 0.32 | 0.34 | 0.43 |
| Cadmium | mg/kg dw | 0.49U | | 0.61U | 0.45U | 0.45U | 0.47U |
| Chromium | mg/kg dw | 22 | | 22 | 20 | 14 | 16 |
| Cobalt | mg/kg dw | 12U | | 12U | 11U | 11U | 12U |
| Lead | mg/kg dw | 12 | | 9.5 | 13 | 11 | 6.2 |
| Nickel | mg/kg dw | 19 | | 24 | 13 | 9.1U | 14 |
| Selenium | mg/kg dw | 1.2U | | 1.2U | 1.1U | 1.1U | 1.2U |
| Vanadium | mg/kg dw | 32 | | 29 | 21 | 17 | 26 |
| Zinc | mg/kg dw | | | | | | |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.46U | | 0.46U | 0.43U | 0.43U | 0.43U |
| **Cyanide, Total** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.2U | | 1.2U | 1.1U | 1.1U | 1.2U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | 7.19 | 6.93 | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | 3800 | 5200 | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS305001111159900S | SS305004111159900S | SS305014111159900S | SS305014111159900D | SS306001110159900S | W3050011105990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917721*1 | S917721*3 | S917721*4 | S917721*2 | S917515*4 | S917515*5 |
| SAMPLE DATE | | 11/15/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/05/99 | 11/05/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Carbon disulfide | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| Chloroform | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| 2-Butanone (MEK) | ug/kg dw | 83U | 120U | 130U | 130U | 110U | 25U |
| Benzene | ug/kg dw | 4.2U | 5.9U | 20 | 6.6U | 5.4U | 5.0U |
| Toluene | ug/kg dw | 4.2U | 5.9U | 18 | 6.6U | 5.4U | 5.0U |
| Chlorobenzene | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| Ethylbenzene | ug/kg dw | 4.2U | 5.9U | 160 | 6.6U | 5.4U | 5.0U |
| Styrene | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| Xylenes, Total | ug/kg dw | 4.2U | 5.9U | 310 | 6.6U | 5.4U | 5.0U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 4.2U | 5.9U | 6.4U | 6.6U | 5.4U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Butylbenzylphthalate | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Di-n-butylphthalate | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Diethylphthalate | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Dimethylphthalate | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Cresol, m & p | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Cresol (ortho) | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 2,4-Dimethylphenol | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 2,4-Dinitrophenol | ug/kg dw | 3800U | 21000U | 4200U | 4600U | 3400U | 50U |
| Phenol | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| Pyridine | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 50U |
| 1,4-Dioxane | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 10U |
| 1-Methylnaphthalene | ug/kg dw | 760U | 4200U | 850U | 1000 | 680U | 10U |
| Quinoline | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 50U |
| Benzenethiol | ug/kg dw | 760U | 4200U | 850U | 910U | 680U | 50U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | SS305001111159900S | SS305004111159900S | SS305014111159900S | SS305014111159900D | SS306001110159900S | W3050011105990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917721*1 | S917721*3 | S917721*4 | S917721*2 | S917515*4 | S917515*5 |
| SAMPLE DATE | | 11/15/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/05/99 | 11/05/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 60U | 60U | 650U | 2800U | 50U | 1.0U |
| Anthracene | ug/kg dw | 8.1 | 9.6 | 170 | 520 | 15 | 0.20U |
| Benzo(a)anthracene | ug/kg dw | 22 | 24P | 110 | 530 | 4.2P | 0.20U |
| Benzo(a)pyrene | ug/kg dw | 27 | 23 | 52U | 270 | 4.0U | 0.20U |
| Benzo(b)fluoranthene | ug/kg dw | 24P | 11 | 56P | 220U | 4.0U | 0.20U |
| Benzo(g,h,i)perylene | ug/kg dw | 65 | 31 | 130U | 550U | 11 | 0.50U |
| Benzo(k)fluoranthene | ug/kg dw | 6.8P | 4.8U | 52U | 220U | 4.0U | 0.20U |
| Chrysene | ug/kg dw | 51 | 45P | 200 | 730P | 7.4P | 0.20U |
| Dibenzo(a,h)anthracene | ug/kg dw | 12U | 12U | 130U | 550U | 10U | 0.20U |
| Fluoranthene | ug/kg dw | 34P | 49P | 400P | 1400P | 10U | 0.50U |
| Fluorene | ug/kg dw | 12U | 12U | 130U | 550U | 10U | 0.50U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 17P | 12U | 130U | 550U | 10U | 0.20U |
| Naphthalene | ug/kg dw | 23U | 24U | 260U | 1100U | 20U | 1.0U |
| Phenanthrene | ug/kg dw | 57 | 54 | 550 | 1800 | 13 | 0.20U |
| Pyrene | ug/kg dw | 73P | 93P | 840P | 2000P | 13P | 0.50U |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 4.2U | 4.5U | 4.7U | 5.6U | 12UN | 0.12U |
| Arsenic | mg/kg dw | 6.2 | 8.2 | 6.3 | 8.1 | 2 | 0.0030U |
| Barium | mg/kg dw | 170 | 140 | 290 | 260 | 42U | 0.40U |
| Beryllium | mg/kg dw | 0.85 | 1.3 | 1 | 1.1 | 0.1 | 0.00060U |
| Cadmium | mg/kg dw | 0.64E | 1.3E | 0.66E | 1.2E | 0.42U | 0.0040U |
| Chromium | mg/kg dw | 22 | 20 | 20 | 20 | 12 | 0.020U |
| Cobalt | mg/kg dw | 7.9 | 7.3 | 9.1 | 11 | 10U | 0.10U |
| Lead | mg/kg dw | 40 | 160 | 15 | 22 | 4.2 | 0.010U |
| Nickel | mg/kg dw | 24E | 31E | 24E | 26E | 10 | 0.080U |
| Selenium | mg/kg dw | 1.2U | 1.2U | 1.3U | 1.4U | 1.0U | 0.010U |
| Vanadium | mg/kg dw | 41 | 34 | 35 | 34 | 10U | 0.10U |
| Zinc | mg/kg dw | 130E* | 180E* | 79E* | 86E* | | |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.26 | 0.28 | 0.039 | 0.056 | 0.40U | 0.0032U |
| **Cyanide, Total** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.2U | 1.2U | 1.3U | 1.4U | 1.0U | 0.010U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | 7.75 | 7.84 | | 8.52 | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | 23000 | 2400 | | 1100 | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | W3050051115990EB | TB-001 | TB-002 | TB-003 | TB010 | TB011 |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917721*10 | S917427*6 | S917482*10 | S917515*6 | S917721*11 | S917721*12 |
| SAMPLE DATE | | 11/15/99 | 11/03/99 | 11/04/99 | 11/05/99 | 11/15/99 | 11/15/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| | **UNITS** | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Carbon disulfide | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chloroform | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 2-Butanone (MEK) | ug/kg dw | 100U | 25U | 25U | 25U | 100U | 100U |
| Benzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Toluene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chlorobenzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Ethylbenzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Styrene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Xylenes, Total | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 10U | | | | | |
| Butylbenzylphthalate | ug/kg dw | 10U | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | ug/kg dw | 10U | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | ug/kg dw | 10U | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | ug/kg dw | 10U | | | | | |
| Di-n-butylphthalate | ug/kg dw | 10U | | | | | |
| Diethylphthalate | ug/kg dw | 10U | | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 10U | | | | | |
| Dimethylphthalate | ug/kg dw | 10U | | | | | |
| Cresol, m & p | ug/kg dw | 10U | | | | | |
| Cresol (ortho) | ug/kg dw | 10U | | | | | |
| 2,4-Dimethylphenol | ug/kg dw | 10U | | | | | |
| 2,4-Dinitrophenol | ug/kg dw | 50U | | | | | |
| Phenol | ug/kg dw | 10U | | | | | |
| Pyridine | ug/kg dw | 50U | | | | | |
| 1,4-Dioxane | ug/kg dw | 10U | | | | | |
| 1-Methylnaphthalene | ug/kg dw | 10U | | | | | |
| Quinoline | ug/kg dw | 50U | | | | | |
| Benzenethiol | ug/kg dw | 50U | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU S

| SAMPLE ID | | W3050051115990EB | TB-001 | TB-002 | TB-003 | TB010 | TB011 |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917721*10 | S917427*6 | S917482*10 | S917515*6 | S917721*11 | S917721*12 |
| SAMPLE DATE | | 11/15/99 | 11/03/99 | 11/04/99 | 11/05/99 | 11/15/99 | 11/15/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 1.0U | | | | | |
| Anthracene | ug/kg dw | 0.20U | | | | | |
| Benzo(a)anthracene | ug/kg dw | 0.20U | | | | | |
| Benzo(a)pyrene | ug/kg dw | 0.20U | | | | | |
| Benzo(b)fluoranthene | ug/kg dw | 0.20U | | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | 0.50U | | | | | |
| Benzo(k)fluoranthene | ug/kg dw | 0.20U | | | | | |
| Chrysene | ug/kg dw | 0.20U | | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | 0.20U | | | | | |
| Fluoranthene | ug/kg dw | 0.50U | | | | | |
| Fluorene | ug/kg dw | 0.50U | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 0.20U | | | | | |
| Naphthalene | ug/kg dw | 1.0U | | | | | |
| Phenanthrene | ug/kg dw | 0.20U | | | | | |
| Pyrene | ug/kg dw | 0.50U | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 0.020U | | | | | |
| Arsenic | mg/kg dw | 0.0032U | | | | | |
| Barium | mg/kg dw | 0.010U | | | | | |
| Beryllium | mg/kg dw | 0.0014U | | | | | |
| Cadmium | mg/kg dw | 0.0050U | | | | | |
| Chromium | mg/kg dw | 0.010U | | | | | |
| Cobalt | mg/kg dw | 0.010U | | | | | |
| Lead | mg/kg dw | 0.0050U | | | | | |
| Nickel | mg/kg dw | 0.040U | | | | | |
| Selenium | mg/kg dw | 0.010U | | | | | |
| Vanadium | mg/kg dw | 0.010U | | | | | |
| Zinc | mg/kg dw | 0.020U | | | | | |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.00020U | | | | | |
| **Cyanide, Total** | | | | | | | |
| Cyanide, Total | mg/kg dw | 0.010U | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS321001110599 00S | SS321001110599 00S | SS321004110599 00S | SS321004110599 00S | SS322001112399 00S | SS322003112399 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917515A*1 | S917515A*1-RE | S917515A*2 | S917515A*2-DL | S917950*1 | S917950*2 |
| SAMPLE DATE | | 11/05/99 | 11/05/99 | 11/05/99 | 11/05/99 | 11/23/99 | 11/23/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 660U | 210U | 250U | | 240U | 300U |
| Acetone | ug/kg dw | 170U | 53U | 62U | | 61U | 74U |
| Benzene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Bromodichloromethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Bromomethane (Methyl bromide) | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| Carbon disulfide | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Chlorobenzene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Dibromochloromethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Chloroethane | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| Chloromethane (Methyl chloride) | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| Chloroform | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Chloroprene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Dichlorodifluoromethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1-Dichloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,2-Dichloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| trans-1,2-Dichloroethene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1-Dichloroethylene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,2-Dichloropropane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| cis-1,3-Dichloropropene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| trans-1,3-Dichloropropene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Ethylbenzene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Methyl ethyl ketone | ug/kg dw | 83U | 26U | 31U | | 31U | 37U |
| Iodomethane (Methyl iodide) | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Methacrylonitrile | ug/kg dw | 330U | 110U | 120U | | 120U | 150U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 83U | 26U | 31U | | 31U | 37U |
| Pentachloroethane | ug/kg dw | 83U | 26U | 31U | | 31U | 37U |
| Styrene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Tetrachloroethene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Carbon tetrachloride | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Toluene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Bromoform | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1,2-Trichloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,1,1-Trichloroethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Trichloroethene | ug/kg dw | 17U | 22 | 9.8 | | 6.1U | 7.4U |
| Trichlorofluoromethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| 1,2,3-Trichloropropane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Vinyl acetate | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS321001110599 00S | SS321001110599 00S | SS321004110599 00S | SS321004110599 00S | SS322001112399 00S | SS322003112399 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917515A*1 | S917515A*1-RE | S917515A*2 | S917515A*2-DL | S917950*1 | S917950*2 |
| SAMPLE DATE | | 11/05/99 | 11/05/99 | 11/05/99 | 11/05/99 | 11/23/99 | 11/23/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| Xylenes, Total | ug/kg dw | 33U | 11U | 12U | | 12U | 15U |
| 2-Hexanone | ug/kg dw | 83U | 26U | 31U | | 31U | 37U |
| Propionitrile | ug/kg dw | 330U | 110U | 120U | | 120U | 150U |
| Methyl methacrylate | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Acrolein (Propenal) | ug/kg dw | 330U | 110U | 120U | | 120U | 150U |
| Acrylonitrile | ug/kg dw | 330U | 110U | 120U | | 120U | 150U |
| Ethyl methacrylate | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 660U | 210U | 250U | | 240U | 300U |
| Dibromomethane | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| cis-1,2-Dichloroethene | ug/kg dw | 17U | 5.3U | 6.2U | | 6.1U | 7.4U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Acetylaminofluorene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4-Aminobiphenyl | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Aniline | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Aramite (total) | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Benzyl alcohol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| bis(2-Chloroethyl)ether | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4-Bromophenylphenyl ether | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Butylbenzylphthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 700U | | 5000U | | 770U | 760U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Chloronaphthalene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Chlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Cresol, m & p | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Cresol (ortho) | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Diallate, Total | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Dibenzofuran | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Di-n-butylphthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 700U | | 5000U | | 770U | 760U |
| 2,4-Dichlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,6-Dichlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Diethylphthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 700U | | 5000U | | 770U | 760U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 70000U | | 500000U | | 78000U | 77000U |
| 2,4-Dimethylphenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS321001110599 00S | SS321001110599 00S | SS321004110599 00S | SS321004110599 00S | SS322001112399 00S | SS322003112399 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917515A*1 | S917515A*1-RE | S917515A*2 | S917515A*2-DL | S917950*1 | S917950*2 |
| SAMPLE DATE | | 11/05/99 | 11/05/99 | 11/05/99 | 11/05/99 | 11/23/99 | 11/23/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| m-Dinitrobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 2,4-Dinitrophenol | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 2,4-Dinitrotoluene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,6-Dinitrotoluene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Di-n-octylphthalate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,4-Dioxane | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Ethyl methanesulfonate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Hexachlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Hexachlorobutadiene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Hexachlorocyclopentadiene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Hexachloroethane | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Hexachlorophene | ug/kg dw | 21000U | | 150000U | | 23000U | 23000U |
| Hexachloropropene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Isophorone | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Isosafrole | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Methapyrilene | ug/kg dw | 7000U | | 50000U | | 7700U | 7600U |
| 3-Methylcholanthrene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Methyl methanesulfonate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Methylnaphthalene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,4-Naphthoquinone | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1-Naphthylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Naphthylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| Nitrobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 3500U | | 25000U | | 3900U | 3800U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosodiethylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosodimethylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosomethylethylamine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosomorpholine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosopiperidine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| N-Nitrosopyrrolidine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 5-Nitro-o-toluidine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Pentachlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Pentachlorophenol | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| Phenacetin | ug/kg dw | 350U | | 2500U | | 390U | 380U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS321001110599 00S | SS321001110599 00S | SS321004110599 00S | SS321004110599 00S | SS322001112399 00S | SS322003112399 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917515A*1 | S917515A*1-RE | S917515A*2 | S917515A*2-DL | S917950*1 | S917950*2 |
| SAMPLE DATE | | 11/05/99 | 11/05/99 | 11/05/99 | 11/05/99 | 11/23/99 | 11/23/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 1800U | | 13000U | | 2000U | 2000U |
| 2-Picoline | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Pronamide | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Pyridine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Safrole | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| o-Toluidine | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,4,5-Trichlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 2,4,6-Trichlorophenol | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Famphur | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Dimethoate | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Quinoline | ug/kg dw | 350U | | 2500U | | 770U | 760U |
| Benzenethiol | ug/kg dw | 350U | | 2500U | | 770U | 760U |
| Kepone | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1-Methylnaphthalene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| Pentachloronitrobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,2-Dichlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,3-Dichlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,4-Dichlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 350U | | 2500U | | 390U | 380U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 53U | | 13000EP | 20000DP | 2900U | 580U |
| Acenaphthylene | ug/kg dw | 23 | | 300 | 1400U | | |
| Anthracene | ug/kg dw | 12 | | 140 | 280U | 1500 | 630 |
| Benzo(a)anthracene | ug/kg dw | 6.6 | | 350 | 460D | 2400 | 1100 |
| Benzo(a)pyrene | ug/kg dw | 4.2U | | 270 | 280U | 1700 | 1000 |
| Benzo(b)fluoranthene | ug/kg dw | 4.2U | | 270 | 320D | 2100 | 1100 |
| Benzo(g,h,i)perylene | ug/kg dw | 10U | | 430P | 710U | 590U | 1200P |
| Benzo(k)fluoranthene | ug/kg dw | 4.2U | | 120 | 280U | 950 | 520 |
| Chrysene | ug/kg dw | 11 | | 490 | 580D | 2000 | 1000 |
| Dibenzo(a,h)anthracene | ug/kg dw | 10U | | 71U | 710U | 1000P | 460P |
| Fluoranthene | ug/kg dw | 22 | | 630P | 820DP | 7600 | 3500 |
| Fluorene | ug/kg dw | 10U | | 71U | 710U | 590U | 170 |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 10U | | 160P | 710U | 1100 | 650 |
| Naphthalene | ug/kg dw | 21U | | 140U | 1400U | 1200U | 230U |
| Phenanthrene | ug/kg dw | 24 | | 640 | 730D | 4800 | 2100E |
| Pyrene | ug/kg dw | 38P | | 670 | 990D | 5100 | 2300 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS321001110599 00S | SS321001110599 00S | SS321004110599 00S | SS321004110599 00S | SS322001112399 00S | SS322003112399 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917515A*1 | S917515A*1-RE | S917515A*2 | S917515A*2-DL | S917950*1 | S917950*2 |
| SAMPLE DATE | | 11/05/99 | 11/05/99 | 11/05/99 | 11/05/99 | 11/23/99 | 11/23/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 2.1UN | | 2.5UN | | 4.7U | 14 |
| Arsenic | mg/kg dw | 2.3 | | 6.6 | | 7 | 6.3 |
| Barium | mg/kg dw | 130 | | 920 | | 370 | 500 |
| Beryllium | mg/kg dw | 0.25 | | 2.3 | | 0.61E | 0.64E |
| Cadmium | mg/kg dw | 0.59 | | 2.8 | | 1.3E | 2.6E |
| Chromium | mg/kg dw | 65 | | 91 | | 740 | 470 |
| Cobalt | mg/kg dw | 2 | | 11 | | 6.2 | 5.9 |
| Copper | mg/kg dw | 23 | | 34 | | 44 | 98 |
| Nickel | mg/kg dw | 9.3 | | 45 | | 19 | 18 |
| Lead | mg/kg dw | 32 | | 110 | | 110N | 220N |
| Selenium | mg/kg dw | 1.1U | | 1.3U | | 1.1U | 1.2U |
| Silver | mg/kg dw | 1.1U | | 1.3U | | 1.1U | 1.2U |
| Tin | mg/kg dw | 5.3U | | 9.4 | | 5.6UN | 5.8UN |
| Thallium | mg/kg dw | 1.1U | | 1.3U | | 1.1U | 1.2U |
| Vanadium | mg/kg dw | 11 | | 44 | | 33 | 25 |
| Zinc | mg/kg dw | 67 | | 580 | | 280E | 490E |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.025U | | 0.031U | | 0.92 | 0.37 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.1U | | 1.3U | | 1.2U | 1.2U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 27U | | 31U | | 29U | 29U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 7.95 | | 7.52 | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 34000 | | 38000 | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS322003112399 00S | SS323004111599 00S | SS323012111599 00S | SS323012111599 00S | SS324004111699 00S | SS324004111699 00D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*2-DL | S917721*7 | S917721*8 | S917721*8-RE | S917757*3 | S917757*4 |
| SAMPLE DATE | | 11/23/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | | | | | |
| Acetone | ug/kg dw | | | | | | |
| Benzene | ug/kg dw | | | | | | |
| Bromodichloromethane | ug/kg dw | | | | | | |
| Bromomethane (Methyl bromide) | ug/kg dw | | | | | | |
| Carbon disulfide | ug/kg dw | | | | | | |
| Chlorobenzene | ug/kg dw | | | | | | |
| Dibromochloromethane | ug/kg dw | | | | | | |
| Chloroethane | ug/kg dw | | | | | | |
| Chloromethane (Methyl chloride) | ug/kg dw | | | | | | |
| Chloroform | ug/kg dw | | | | | | |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | | | | | |
| Chloroprene | ug/kg dw | | | | | | |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | | | | | |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | | | | | |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | | | | | |
| Dichlorodifluoromethane | ug/kg dw | | | | | | |
| 1,1-Dichloroethane | ug/kg dw | | | | | | |
| 1,2-Dichloroethane | ug/kg dw | | | | | | |
| trans-1,2-Dichloroethene | ug/kg dw | | | | | | |
| 1,1-Dichloroethylene | ug/kg dw | | | | | | |
| Methylene chloride (Dichloromethane) | ug/kg dw | | | | | | |
| 1,2-Dichloropropane | ug/kg dw | | | | | | |
| cis-1,3-Dichloropropene | ug/kg dw | | | | | | |
| trans-1,3-Dichloropropene | ug/kg dw | | | | | | |
| Ethylbenzene | ug/kg dw | | | | | | |
| Methyl ethyl ketone | ug/kg dw | | | | | | |
| Iodomethane (Methyl iodide) | ug/kg dw | | | | | | |
| Methacrylonitrile | ug/kg dw | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | | | | | |
| Pentachloroethane | ug/kg dw | | | | | | |
| Styrene | ug/kg dw | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | | | | | |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | | | | | |
| Tetrachloroethene | ug/kg dw | | | | | | |
| Carbon tetrachloride | ug/kg dw | | | | | | |
| Toluene | ug/kg dw | | | | | | |
| Bromoform | ug/kg dw | | | | | | |
| 1,1,2-Trichloroethane | ug/kg dw | | | | | | |
| 1,1,1-Trichloroethane | ug/kg dw | | | | | | |
| Trichloroethene | ug/kg dw | | | | | | |
| Trichlorofluoromethane | ug/kg dw | | | | | | |
| 1,2,3-Trichloropropane | ug/kg dw | | | | | | |
| Vinyl acetate | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS322003112399 00S | SS323004111599 00S | SS323012111599 00S | SS323012111599 00S | SS324004111699 00S | SS324004111699 00D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*2-DL | S917721*7 | S917721*8 | S917721*8-RE | S917757*3 | S917757*4 |
| SAMPLE DATE | | 11/23/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | | | | | |
| Xylenes, Total | ug/kg dw | | | | | | |
| 2-Hexanone | ug/kg dw | | | | | | |
| Propionitrile | ug/kg dw | | | | | | |
| Methyl methacrylate | ug/kg dw | | | | | | |
| Acrolein (Propenal) | ug/kg dw | | | | | | |
| Acrylonitrile | ug/kg dw | | | | | | |
| Ethyl methacrylate | ug/kg dw | | | | | | |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | | | | | |
| Dibromomethane | ug/kg dw | | | | | | |
| cis-1,2-Dichloroethene | ug/kg dw | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | | | | | |
| 2-Acetylaminofluorene | ug/kg dw | | | | | | |
| 4-Aminobiphenyl | ug/kg dw | | | | | | |
| Aniline | ug/kg dw | | | | | | |
| Aramite (total) | ug/kg dw | | | | | | |
| Benzyl alcohol | ug/kg dw | | | | | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | | | | | | |
| bis(2-Chloroethyl)ether | ug/kg dw | | | | | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | | | | | |
| 4-Bromophenylphenyl ether | ug/kg dw | | | | | | |
| Butylbenzylphthalate | ug/kg dw | | | | | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | | | | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | | | | | |
| 2-Chloronaphthalene | ug/kg dw | | | | | | |
| 2-Chlorophenol | ug/kg dw | | | | | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | | | | | | |
| Cresol, m & p | ug/kg dw | | | | | | |
| Cresol (ortho) | ug/kg dw | | | | | | |
| Diallate, Total | ug/kg dw | | | | | | |
| Dibenzofuran | ug/kg dw | | | | | | |
| Di-n-butylphthalate | ug/kg dw | | | | | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | | | | | | |
| 2,4-Dichlorophenol | ug/kg dw | | | | | | |
| 2,6-Dichlorophenol | ug/kg dw | | | | | | |
| Diethylphthalate | ug/kg dw | | | | | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | | | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | | | | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | | | | | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | | | | | |
| 2,4-Dimethylphenol | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS322003112399 00S | SS323004111599 00S | SS323012111599 00S | SS323012111599 00S | SS324004111699 00S | SS324004111699 00D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*2-DL | S917721*7 | S917721*8 | S917721*8-RE | S917757*3 | S917757*4 |
| SAMPLE DATE | | 11/23/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | | | | | |
| m-Dinitrobenzene | ug/kg dw | | | | | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | | | | | |
| 2,4-Dinitrophenol | ug/kg dw | | | | | | |
| 2,4-Dinitrotoluene | ug/kg dw | | | | | | |
| 2,6-Dinitrotoluene | ug/kg dw | | | | | | |
| Di-n-octylphthalate | ug/kg dw | | | | | | |
| 1,4-Dioxane | ug/kg dw | | | | | | |
| Ethyl methanesulfonate | ug/kg dw | | | | | | |
| Hexachlorobenzene | ug/kg dw | | | | | | |
| Hexachlorobutadiene | ug/kg dw | | | | | | |
| Hexachlorocyclopentadiene | ug/kg dw | | | | | | |
| Hexachloroethane | ug/kg dw | | | | | | |
| Hexachlorophene | ug/kg dw | | | | | | |
| Hexachloropropene | ug/kg dw | | | | | | |
| Isophorone | ug/kg dw | | | | | | |
| Isosafrole | ug/kg dw | | | | | | |
| Methapyrilene | ug/kg dw | | | | | | |
| 3-Methylcholanthrene | ug/kg dw | | | | | | |
| Methyl methanesulfonate | ug/kg dw | | | | | | |
| 2-Methylnaphthalene | ug/kg dw | | | | | | |
| 1,4-Naphthoquinone | ug/kg dw | | | | | | |
| 1-Naphthylamine | ug/kg dw | | | | | | |
| 2-Naphthylamine | ug/kg dw | | | | | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | | | | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | | | | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | | | | | |
| Nitrobenzene | ug/kg dw | | | | | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | | | | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | | | | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | | | | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | | | | | | |
| N-Nitrosodiethylamine | ug/kg dw | | | | | | |
| N-Nitrosodimethylamine | ug/kg dw | | | | | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | | | | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | | | | | | |
| N-Nitrosomethylethylamine | ug/kg dw | | | | | | |
| N-Nitrosomorpholine | ug/kg dw | | | | | | |
| N-Nitrosopiperidine | ug/kg dw | | | | | | |
| N-Nitrosopyrrolidine | ug/kg dw | | | | | | |
| 5-Nitro-o-toluidine | ug/kg dw | | | | | | |
| Pentachlorobenzene | ug/kg dw | | | | | | |
| Pentachlorophenol | ug/kg dw | | | | | | |
| Phenacetin | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS322003112399005 | SS323004111599005 | SS323012111599005 | SS323012111599005 | SS324004111699005 | SS324004111699005D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*2-DL | S917721*7 | S917721*8 | S917721*8-RE | S917757*3 | S917757*4 |
| SAMPLE DATE | | 11/23/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | | | | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | | | | | |
| 2-Picoline | ug/kg dw | | | | | | |
| Pronamide | ug/kg dw | | | | | | |
| Pyridine | ug/kg dw | | | | | | |
| Safrole | ug/kg dw | | | | | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | | | | | |
| o-Toluidine | ug/kg dw | | | | | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | | | | | | |
| 2,4,5-Trichlorophenol | ug/kg dw | | | | | | |
| 2,4,6-Trichlorophenol | ug/kg dw | | | | | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | | | | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | | | | | | |
| Famphur | ug/kg dw | | | | | | |
| Dimethoate | ug/kg dw | | | | | | |
| Quinoline | ug/kg dw | | | | | | |
| Benzenethiol | ug/kg dw | | | | | | |
| Kepone | ug/kg dw | | | | | | |
| 1-Methylnaphthalene | ug/kg dw | | | | | | |
| Pentachloronitrobenzene | ug/kg dw | | | | | | |
| 1,2-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,3-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,4-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 1700U | | | | | |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | 510D | | | | | |
| Benzo(a)anthracene | ug/kg dw | 850D | | | | | |
| Benzo(a)pyrene | ug/kg dw | 820D | | | | | |
| Benzo(b)fluoranthene | ug/kg dw | 950D | | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | 980DP | | | | | |
| Benzo(k)fluoranthene | ug/kg dw | 420D | | | | | |
| Chrysene | ug/kg dw | 840D | | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | 350U | | | | | |
| Fluoranthene | ug/kg dw | 2800D | | | | | |
| Fluorene | ug/kg dw | 350U | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 510D | | | | | |
| Naphthalene | ug/kg dw | 700U | | | | | |
| Phenanthrene | ug/kg dw | 1700D | | | | | |
| Pyrene | ug/kg dw | 1900D | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS322003112399 00S | SS323004111599 00S | SS323012111599 00S | SS323012111599 00S | SS324004111699 00S | SS324004111699 00D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917950*2-DL | S917721*7 | S917721*8 | S917721*8-RE | S917757*3 | S917757*4 |
| SAMPLE DATE | | 11/23/99 | 11/15/99 | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | | 4.8U | 4.9U | | 4.5U | 4.4U |
| Arsenic | mg/kg dw | | 4.9 | 15 | | 6.4 | 6.1 |
| Barium | mg/kg dw | | 260 | 290 | | 230 | 210 |
| Beryllium | mg/kg dw | | 1.1 | 0.46 | | 0.92E | 0.84E |
| Cadmium | mg/kg dw | | 0.66UE | 0.68UE | | 0.62UE | 0.61UE |
| Chromium | mg/kg dw | | 26 | 400 | | 28 | 120 |
| Cobalt | mg/kg dw | | 9.2 | 5.5 | | 8.1E | 6.5E |
| Copper | mg/kg dw | | 26N | 21N | | 21 | 31 |
| Nickel | mg/kg dw | | 34E | 14E | | 19 | 19 |
| Lead | mg/kg dw | | 19 | 14 | | 15 | 25 |
| Selenium | mg/kg dw | | 1.3U | 1.4U | | 1.2U | 1.2U |
| Silver | mg/kg dw | | 1.3U | 1.4U | | 1.2U | 1.2U |
| Tin | mg/kg dw | | 6.6U | 6.8U | | 6.2U | 6.1U |
| Thallium | mg/kg dw | | 1.3U | 1.4U | | 1.2U | 1.2U |
| Vanadium | mg/kg dw | | 36 | 37 | | 44 | 35 |
| Zinc | mg/kg dw | | 77E* | 66E* | | 78 | 83 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | | 0.04 | 0.048 | | 0.031N | 0.070N |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | 1.3U | 1.4U | | 1.2U | 1.2U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | | 33U | 50 | 34U | 31U | 30U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS324012111169900S | SS325008111189900S | SS325016111189900S | SS328001111169900S | SS328001111169900S | SS328016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*5 | S917852*8 | S917852*9 | S917757*8 | S917757*8-DL | S917757*11 |
| SAMPLE DATE | | 11/16/99 | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | 270U | 230U | 240U | | 220U |
| Acetone | ug/kg dw | | 67U | 58U | 59U | | 54U |
| Benzene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Bromodichloromethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Bromomethane (Methyl bromide) | ug/kg dw | | 13U | 12U | 12U | | 11U |
| Carbon disulfide | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Chlorobenzene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Dibromochloromethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Chloroethane | ug/kg dw | | 13U | 12U | 12U | | 11U |
| Chloromethane (Methyl chloride) | ug/kg dw | | 13U | 12U | 12U | | 11U |
| Chloroform | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Chloroprene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | 13U | 12U | 12U | | 11U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Dichlorodifluoromethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1-Dichloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,2-Dichloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| trans-1,2-Dichloroethene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1-Dichloroethylene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Methylene chloride (Dichloromethane) | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,2-Dichloropropane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| cis-1,3-Dichloropropene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| trans-1,3-Dichloropropene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Ethylbenzene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Methyl ethyl ketone | ug/kg dw | | 34U | 29U | 30U | | 27U |
| Iodomethane (Methyl iodide) | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Methacrylonitrile | ug/kg dw | | 130U | 120U | 120U | | 110U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | 34U | 29U | 30U | | 27U |
| Pentachloroethane | ug/kg dw | | 34U | 29U | 30U | | 27U |
| Styrene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Tetrachloroethene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Carbon tetrachloride | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Toluene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Bromoform | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1,2-Trichloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,1,1-Trichloroethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Trichloroethene | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Trichlorofluoromethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| 1,2,3-Trichloropropane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Vinyl acetate | ug/kg dw | | 13U | 12U | 12U | | 11U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS324012111169900S | SS325008111189900S | SS325016111189900S | SS328001111169900S | SS328001111169900S | SS328016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*5 | S917852*8 | S917852*9 | S917757*8 | S917757*8-DL | S917757*11 |
| SAMPLE DATE | | 11/16/99 | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | 13U | 12U | 12U | | 11U |
| Xylenes, Total | ug/kg dw | | 13U | 12U | 12U | | 11U |
| 2-Hexanone | ug/kg dw | | 34U | 29U | 30U | | 27U |
| Propionitrile | ug/kg dw | | 130U | 120U | 120U | | 110U |
| Methyl methacrylate | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Acrolein (Propenal) | ug/kg dw | | 130U | 120U | 120U | | 110U |
| Acrylonitrile | ug/kg dw | | 130U | 120U | 120U | | 110U |
| Ethyl methacrylate | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | 270U | 230U | 240U | | 220U |
| Dibromomethane | ug/kg dw | | 6.7U | 5.8U | 5.9U | | 5.4U |
| cis-1,2-Dichloroethene | ug/kg dw | | 90 % | 88 % | 5.9U | | 5.4U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Acetylaminofluorene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 4-Aminobiphenyl | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Aniline | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Aramite (total) | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Benzyl alcohol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| bis(2-Chloroethoxy)methane | ug/kg dw | | 450U | 410U | 360U | | 420U |
| bis(2-Chloroethyl)ether | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | 450U | 410U | 360U | | 420U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | 450U | 410U | 360U | | 460B |
| 4-Bromophenylphenyl ether | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Butylbenzylphthalate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | 900U | 820U | 720U | | 840U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Chloronaphthalene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Chlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 4-Chlorophenylphenyl ether | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Cresol, m & p | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Cresol (ortho) | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Diallate, Total | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Dibenzofuran | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Di-n-butylphthalate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 3,3'-Dichlorobenzidine | ug/kg dw | | 900U | 820U | 720U | | 840U |
| 2,4-Dichlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,6-Dichlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Diethylphthalate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| p-(Dimethylamino)azobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 3,3'-Dimethylbenzidine | ug/kg dw | | 900U | 820U | 720U | | 840U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | 92000U | 84000U | 72000U | | 85000U |
| 2,4-Dimethylphenol | ug/kg dw | | 450U | 410U | 360U | | 420U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS324012111169900S | SS325008111189900S | SS325016111189900S | SS328001111169900S | SS328001111169900S | SS328016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*5 | S917852*8 | S917852*9 | S917757*8 | S917757*8-DL | S917757*11 |
| SAMPLE DATE | | 11/16/99 | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| m-Dinitrobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 2,4-Dinitrophenol | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 2,4-Dinitrotoluene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,6-Dinitrotoluene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Di-n-octylphthalate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,4-Dioxane | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Ethyl methanesulfonate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Hexachlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Hexachlorobutadiene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Hexachlorocyclopentadiene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Hexachloroethane | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Hexachlorophene | ug/kg dw | | 27000U | 25000U | 22000U | | 25000U |
| Hexachloropropene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Isophorone | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Isosafrole | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Methapyrilene | ug/kg dw | | 9000U | 8200U | 7200U | | 8400U |
| 3-Methylcholanthrene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Methyl methanesulfonate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Methylnaphthalene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,4-Naphthoquinone | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1-Naphthylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Naphthylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| Nitrobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | 4500U | 4100U | 3600U | | 4200U |
| N-Nitrosodi-n-butylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosodiethylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosodimethylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| n-Nitrosodi-n-propylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosomethylethylamine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosomorpholine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosopiperidine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| N-Nitrosopyrrolidine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 5-Nitro-o-toluidine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Pentachlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Pentachlorophenol | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| Phenacetin | ug/kg dw | | 450U | 410U | 360U | | 420U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS324012111169900S | SS325008111189900S | SS325016111189900S | SS328001111169900S | SS328001111169900S | SS328016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*5 | S917852*8 | S917852*9 | S917757*8 | S917757*8-DL | S917757*11 |
| SAMPLE DATE | | 11/16/99 | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | 2300U | 2100U | 1800U | | 2200U |
| 2-Picoline | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Pronamide | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Pyridine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Safrole | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| o-Toluidine | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,2,4-Trichlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,4,5-Trichlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 2,4,6-Trichlorophenol | ug/kg dw | | 450U | 410U | 360U | | 420U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,3,5-Trinitrobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Famphur | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Dimethoate | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Quinoline | ug/kg dw | | 900U | 820U | 720U | | 840U |
| Benzenethiol | ug/kg dw | | 900U | 820U | 720U | | 840U |
| Kepone | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1-Methylnaphthalene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| Pentachloronitrobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,2-Dichlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,3-Dichlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,4-Dichlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | 450U | 410U | 360U | | 420U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | 68U | 62U | 540U | | 64U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | | 5.5U | 5.0U | 55 | | 5.1U |
| Benzo(a)anthracene | ug/kg dw | | 5.5U | 5.0U | 150 | | 5.1U |
| Benzo(a)pyrene | ug/kg dw | | 5.5U | 5.0U | 220 | | 5.1U |
| Benzo(b)fluoranthene | ug/kg dw | | 5.5U | 5.0U | 94P | | 5.1U |
| Benzo(g,h,i)perylene | ug/kg dw | | 14U | 12U | 180P | | 13U |
| Benzo(k)fluoranthene | ug/kg dw | | 5.5U | 5.0U | 43U | | 5.1U |
| Chrysene | ug/kg dw | | 5.5U | 5.0U | 320P | | 5.4P |
| Dibenzo(a,h)anthracene | ug/kg dw | | 14U | 12U | 110U | | 13U |
| Fluoranthene | ug/kg dw | | 14U | 12U | 190P | | 13U |
| Fluorene | ug/kg dw | | 14U | 12U | 110U | | 13U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | 14U | 12U | 110U | | 13U |
| Naphthalene | ug/kg dw | | 27U | 25U | 220U | | 26U |
| Phenanthrene | ug/kg dw | | 5.5U | 5.0U | 290P | | 5.1U |
| Pyrene | ug/kg dw | | 14U | 12U | 410P | | 13U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS324012111169900S | SS325008111189900S | SS325016111189900S | SS328001111169900S | SS328001111169900S | SS328016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*5 | S917852*8 | S917852*9 | S917757*8 | S917757*8-DL | S917757*11 |
| SAMPLE DATE | | 11/16/99 | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 4.7U | 5.5U | 4.5U | 4.3U | | 4.7U |
| Arsenic | mg/kg dw | 9 | 7.9 | 6.8 | 5.4 | | 5 |
| Barium | mg/kg dw | 200 | 250N | 130N | 210 | | 200 |
| Beryllium | mg/kg dw | 0.71E | 0.93 | 0.56 | 0.71E | | 0.79E |
| Cadmium | mg/kg dw | 0.65UE | 0.68U | 0.62U | 0.88E | | 0.64UE |
| Chromium | mg/kg dw | 20 | 21 | 15 | 77 | | 26 |
| Cobalt | mg/kg dw | 7.1E | 7.4 | 5.3 | 5.8E | | 4.9E |
| Copper | mg/kg dw | 20 | 21 | 13 | 29 | | 18 |
| Nickel | mg/kg dw | 23 | 20 | 16 | 19 | | 18 |
| Lead | mg/kg dw | 11 | 13N | 8.5N | 81 | | 11 |
| Selenium | mg/kg dw | 1.3U | 1.4U | 1.2U | 1.1U | | 1.3U |
| Silver | mg/kg dw | 1.3U | 1.4U | 1.2U | 1.1U | | 1.3U |
| Tin | mg/kg dw | 6.5U | 6.8U | 6.2U | 5.4U | | 6.4U |
| Thallium | mg/kg dw | 1.3U | 1.4U | 1.2U | 1.1U | | 1.3U |
| Vanadium | mg/kg dw | 34 | 37 | 27 | 30 | | 32 |
| Zinc | mg/kg dw | 64 | 67E* | 48E* | 130 | | 74 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.044N | 0.037 | 0.031U | 0.42N | | 0.041N |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.3U | 1.4U | 1.3U | 1.1U | | 1.3U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 32U | 43 | 31U | 27U | | 32U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | 320U | 280U | 240U | | 270U |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | 4.8 | 1.5J | 750E | 520D | 650E |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 6.54 | 6.75 | 6.99 | | | 7.68 |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 2300 | 1900 | 250U | | | 5900 |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | 29 | 32 % | 22 % | | | 27 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS32801611169900S | SS32900111169900S | SS32900111169900D | SS32900111169900D | SS32900111169900S | SS32901611169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*11-DL | S917757*9 | S917757*10 | S917757*10-DL | S917757*9-DL | S917757*12 |
| SAMPLE DATE | | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | 210U | 220U | | | 240U |
| Acetone | ug/kg dw | | 53U | 56U | | | 61U |
| Benzene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Bromodichloromethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Bromomethane (Methyl bromide) | ug/kg dw | | 10U | 11U | | | 12U |
| Carbon disulfide | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Chlorobenzene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Dibromochloromethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Chloroethane | ug/kg dw | | 10U | 11U | | | 12U |
| Chloromethane (Methyl chloride) | ug/kg dw | | 10U | 11U | | | 12U |
| Chloroform | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Chloroprene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | 10U | 11U | | | 12U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Dichlorodifluoromethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1-Dichloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,2-Dichloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| trans-1,2-Dichloroethene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1-Dichloroethylene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Methylene chloride (Dichloromethane) | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,2-Dichloropropane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| cis-1,3-Dichloropropene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| trans-1,3-Dichloropropene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Ethylbenzene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Methyl ethyl ketone | ug/kg dw | | 26U | 28U | | | 30U |
| Iodomethane (Methyl iodide) | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Methacrylonitrile | ug/kg dw | | 100U | 110U | | | 120U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | 26U | 28U | | | 30U |
| Pentachloroethane | ug/kg dw | | 26U | 28U | | | 30U |
| Styrene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Tetrachloroethene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Carbon tetrachloride | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Toluene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Bromoform | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1,2-Trichloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,1,1-Trichloroethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Trichloroethene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Trichlorofluoromethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| 1,2,3-Trichloropropane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Vinyl acetate | ug/kg dw | | 10U | 11U | | | 12U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS32801611169900S | SS32900111169900S | SS32900111169900D | SS32900111169900D | SS32900111169900S | SS32901611169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*11-DL | S917757*9 | S917757*10 | S917757*10-DL | S917757*9-DL | S917757*12 |
| SAMPLE DATE | | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | 10U | 11U | | | 12U |
| Xylenes, Total | ug/kg dw | | 10U | 11U | | | 12U |
| 2-Hexanone | ug/kg dw | | 26U | 28U | | | 30U |
| Propionitrile | ug/kg dw | | 100U | 110U | | | 120U |
| Methyl methacrylate | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Acrolein (Propenal) | ug/kg dw | | 100U | 110U | | | 120U |
| Acrylonitrile | ug/kg dw | | 100U | 110U | | | 120U |
| Ethyl methacrylate | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | 210U | 220U | | | 240U |
| Dibromomethane | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| cis-1,2-Dichloroethene | ug/kg dw | | 5.3U | 5.6U | | | 6.1U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Acetylaminofluorene | ug/kg dw | | 360U | 360U | | | 410U |
| 4-Aminobiphenyl | ug/kg dw | | 360U | 360U | | | 410U |
| Aniline | ug/kg dw | | 360U | 360U | | | 410U |
| Aramite (total) | ug/kg dw | | 360U | 360U | | | 410U |
| Benzyl alcohol | ug/kg dw | | 360U | 360U | | | 410U |
| bis(2-Chloroethoxy)methane | ug/kg dw | | 360U | 360U | | | 410U |
| bis(2-Chloroethyl)ether | ug/kg dw | | 360U | 360U | | | 410U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | 360U | 360U | | | 410U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | 360U | 360U | | | 470B |
| 4-Bromophenylphenyl ether | ug/kg dw | | 360U | 360U | | | 410U |
| Butylbenzylphthalate | ug/kg dw | | 360U | 360U | | | 410U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | 720U | 730U | | | 830U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Chloronaphthalene | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Chlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| 4-Chlorophenylphenyl ether | ug/kg dw | | 360U | 360U | | | 410U |
| Cresol, m & p | ug/kg dw | | 360U | 360U | | | 410U |
| Cresol (ortho) | ug/kg dw | | 360U | 360U | | | 410U |
| Diallate, Total | ug/kg dw | | 360U | 360U | | | 410U |
| Dibenzofuran | ug/kg dw | | 360U | 360U | | | 410U |
| Di-n-butylphthalate | ug/kg dw | | 360U | 360U | | | 410U |
| 3,3'-Dichlorobenzidine | ug/kg dw | | 720U | 730U | | | 830U |
| 2,4-Dichlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| 2,6-Dichlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| Diethylphthalate | ug/kg dw | | 360U | 360U | | | 410U |
| p-(Dimethylamino)azobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | 360U | 360U | | | 410U |
| 3,3'-Dimethylbenzidine | ug/kg dw | | 720U | 730U | | | 830U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | 73000U | 74000U | | | 84000U |
| 2,4-Dimethylphenol | ug/kg dw | | 360U | 360U | | | 410U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS32801611169900S | SS32900111169900S | SS32900111169900D | SS32900111169900D | SS32900111169900S | SS32901611169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*11-DL | S917757*9 | S917757*10 | S917757*10-DL | S917757*9-DL | S917757*12 |
| SAMPLE DATE | | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | 360U | 360U | | | 410U |
| m-Dinitrobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 2,4-Dinitrophenol | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 2,4-Dinitrotoluene | ug/kg dw | | 360U | 360U | | | 410U |
| 2,6-Dinitrotoluene | ug/kg dw | | 360U | 360U | | | 410U |
| Di-n-octylphthalate | ug/kg dw | | 360U | 360U | | | 410U |
| 1,4-Dioxane | ug/kg dw | | 360U | 360U | | | 410U |
| Ethyl methanesulfonate | ug/kg dw | | 360U | 360U | | | 410U |
| Hexachlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| Hexachlorobutadiene | ug/kg dw | | 360U | 360U | | | 410U |
| Hexachlorocyclopentadiene | ug/kg dw | | 360U | 360U | | | 410U |
| Hexachloroethane | ug/kg dw | | 360U | 360U | | | 410U |
| Hexachlorophene | ug/kg dw | | 22000U | 22000U | | | 25000U |
| Hexachloropropene | ug/kg dw | | 360U | 360U | | | 410U |
| Isophorone | ug/kg dw | | 360U | 360U | | | 410U |
| Isosafrole | ug/kg dw | | 360U | 360U | | | 410U |
| Methapyrilene | ug/kg dw | | 7200U | 7300U | | | 8300U |
| 3-Methylcholanthrene | ug/kg dw | | 360U | 360U | | | 410U |
| Methyl methanesulfonate | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Methylnaphthalene | ug/kg dw | | 360U | | 390 | | 410U |
| 1,4-Naphthoquinone | ug/kg dw | | 360U | 360U | | | 410U |
| 1-Naphthylamine | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Naphthylamine | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| Nitrobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | 360U | 360U | | | 410U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | 3600U | 3600U | | | 4100U |
| N-Nitrosodi-n-butylamine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosodiethylamine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosodimethylamine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | 360U | 360U | | | 410U |
| n-Nitrosodi-n-propylamine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosomethylethylamine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosomorpholine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosopiperidine | ug/kg dw | | 360U | 360U | | | 410U |
| N-Nitrosopyrrolidine | ug/kg dw | | 360U | 360U | | | 410U |
| 5-Nitro-o-toluidine | ug/kg dw | | 360U | 360U | | | 410U |
| Pentachlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| Pentachlorophenol | ug/kg dw | | 1800U | 1900U | | | 2100U |
| Phenacetin | ug/kg dw | | 360U | 360U | | | 410U |

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| SAMPLE ID | | SS32801611169900S | SS32900111169900S | SS32900111169900D | SS32900111169900D | SS32900111169900S | SS32901611169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*11-DL | S917757*9 | S917757*10 | S917757*10-DL | S917757*9-DL | S917757*12 |
| SAMPLE DATE | | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | 360U | 360U | | | 410U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | 1800U | 1900U | | | 2100U |
| 2-Picoline | ug/kg dw | | 360U | 360U | | | 410U |
| Pronamide | ug/kg dw | | 360U | 360U | | | 410U |
| Pyridine | ug/kg dw | | 360U | 360U | | | 410U |
| Safrole | ug/kg dw | | 360U | 360U | | | 410U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| o-Toluidine | ug/kg dw | | 360U | 360U | | | 410U |
| 1,2,4-Trichlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 2,4,5-Trichlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| 2,4,6-Trichlorophenol | ug/kg dw | | 360U | 360U | | | 410U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | 360U | 360U | | | 410U |
| 1,3,5-Trinitrobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| Famphur | ug/kg dw | | 360U | 360U | | | 410U |
| Dimethoate | ug/kg dw | | 360U | 360U | | | 410U |
| Quinoline | ug/kg dw | | 720U | 730U | | | 830U |
| Benzenethiol | ug/kg dw | | 720U | 730U | | | 830U |
| Kepone | ug/kg dw | | 360U | 360U | | | 410U |
| 1-Methylnaphthalene | ug/kg dw | | 360U | 360U | | | 410U |
| Pentachloronitrobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 1,2-Dichlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 1,3-Dichlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 1,4-Dichlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | 360U | 360U | | | 410U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | 550U | 550U | | | 63U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | | 110 | | 67 | | 5.0U |
| Benzo(a)anthracene | ug/kg dw | | 190 | | 140 | | 5.0U |
| Benzo(a)pyrene | ug/kg dw | | 290 | | 180 | | 5.0U |
| Benzo(b)fluoranthene | ug/kg dw | | 130 | | 94 | | 5.0U |
| Benzo(g,h,i)perylene | ug/kg dw | | 480 | 210P | | | 12U |
| Benzo(k)fluoranthene | ug/kg dw | | 53P | 44U | | | 5.0U |
| Chrysene | ug/kg dw | | 400P | 290P | | | 5.0U |
| Dibenzo(a,h)anthracene | ug/kg dw | | 110U | 110U | | | 12U |
| Fluoranthene | ug/kg dw | | 700 | | 430 | | 12U |
| Fluorene | ug/kg dw | | 110U | 110U | | | 12U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | 110U | 110U | | | 12U |
| Naphthalene | ug/kg dw | | 220U | 220U | | | 25U |
| Phenanthrene | ug/kg dw | | 490 | | 370 | | 5.0U |
| Pyrene | ug/kg dw | | 1100 | 200P | | | 12U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS328016111169900S | SS329001111169900S | SS329001111169900D | SS329001111169900D | SS329001111169900S | SS329016111169900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917757*11-DL | S917757*9 | S917757*10 | S917757*10-DL | S917757*9-DL | S917757*12 |
| SAMPLE DATE | | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | | 4.4U | 4.0U | | | 5.1U |
| Arsenic | mg/kg dw | | 6.5 | | 6 | | 7.3 |
| Barium | mg/kg dw | | 260 | | 270 | | 190 |
| Beryllium | mg/kg dw | | 0.75E | 0.76E | | | 0.57E |
| Cadmium | mg/kg dw | | 0.99E | 1.0E | | | 0.63UE |
| Chromium | mg/kg dw | | 94 | | 87 | | 13 |
| Cobalt | mg/kg dw | | 6.5E | 6.3E | | | 9.6E |
| Copper | mg/kg dw | | 30 | | 28 | | 16 |
| Nickel | mg/kg dw | | 21 | | 21 | | 24 |
| Lead | mg/kg dw | | 91 | | 90 | | 10 |
| Selenium | mg/kg dw | | 1.1U | 1.1U | | | 1.3U |
| Silver | mg/kg dw | | 1.1U | 1.1U | | | 1.3U |
| Tin | mg/kg dw | | 5.5U | 5.6U | | | 6.3U |
| Thallium | mg/kg dw | | 1.1U | 1.1U | | | 1.3U |
| Vanadium | mg/kg dw | | 35 | | 32 | | 23 |
| Zinc | mg/kg dw | | 150 | | 150 | | 50 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | | 0.27N | 0.39N | | | 0.040N |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | 1.1U | 1.1U | | | 1.3U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | | 28U | 28U | | | 32U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | 290U | 260U | | | 270U |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | 360D | 590E | 630E | 320D | 360D | 4.1U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | 7.92 |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | 11000 |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | 27 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS330001111199900S | SS330001111199900S | SS330010111199900S | SS330010111199900D | SS330010111199900D | SS331001111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*1 | S917880*1-DL | S917880*3 | S917880*2 | S917880*2-DL | S917852*1 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 250U | | 250U | 260U | | 260U |
| Acetone | ug/kg dw | 63U | | 110 | 110 | | 65U |
| Benzene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Bromodichloromethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Bromomethane (Methyl bromide) | ug/kg dw | 13U | | 12U | 13U | | 13U |
| Carbon disulfide | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Chlorobenzene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Dibromochloromethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Chloroethane | ug/kg dw | 13U | | 12U | 13U | | 13U |
| Chloromethane (Methyl chloride) | ug/kg dw | 13U | | 12U | 13U | | 13U |
| Chloroform | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Chloroprene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 13U | | 12U | 13U | | 13U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Dichlorodifluoromethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1-Dichloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,2-Dichloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| trans-1,2-Dichloroethene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1-Dichloroethylene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,2-Dichloropropane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| cis-1,3-Dichloropropene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| trans-1,3-Dichloropropene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Ethylbenzene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Methyl ethyl ketone | ug/kg dw | 32U | | 120U | 130U | | 32U |
| Iodomethane (Methyl iodide) | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Methacrylonitrile | ug/kg dw | 130U | | 120U | 130U | | 130U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 32U | | 31U | 32U | | 32U |
| Pentachloroethane | ug/kg dw | 32U | | 31U | 32U | | 32U |
| Styrene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Tetrachloroethene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Carbon tetrachloride | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Toluene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Bromoform | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1,2-Trichloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,1,1-Trichloroethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Trichloroethene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Trichlorofluoromethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| 1,2,3-Trichloropropane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Vinyl acetate | ug/kg dw | 13U | | 12U | 13U | | 13U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS330001111199900S | SS330001111199900S | SS330010111199900S | SS330010111199900D | SS330010111199900D | SS331001111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*1 | S917880*1-DL | S917880*3 | S917880*2 | S917880*2-DL | S917852*1 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 13U | | 12U | 13U | | 13U |
| Xylenes, Total | ug/kg dw | 13U | | 12U | 13U | | 13U |
| 2-Hexanone | ug/kg dw | 32U | | 31U | 32U | | 32U |
| Propionitrile | ug/kg dw | 130U | | 120U | 130U | | 130U |
| Methyl methacrylate | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Acrolein (Propenal) | ug/kg dw | 130U | | 120U | 130U | | 130U |
| Acrylonitrile | ug/kg dw | 130U | | 120U | 130U | | 130U |
| Ethyl methacrylate | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 250U | | 250U | 260U | | 260U |
| Dibromomethane | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| cis-1,2-Dichloroethene | ug/kg dw | 6.3U | | 6.2U | 6.5U | | 6.5U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Acetylaminofluorene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4-Aminobiphenyl | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Aniline | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Aramite (total) | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Benzyl alcohol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 420U | | 430U | 430U | | 390U |
| bis(2-Chloroethyl)ether | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 420U | | 430U | 430U | | 390U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4-Bromophenylphenyl ether | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Butylbenzylphthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 840U | | 860U | 860U | | 780U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Chloronaphthalene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Chlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Cresol, m & p | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Cresol (ortho) | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Diallate, Total | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Dibenzofuran | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Di-n-butylphthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 840U | | 860U | 860U | | 780U |
| 2,4-Dichlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,6-Dichlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Diethylphthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 840U | | 860U | 860U | | 780U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 85000U | | 87000U | 87000U | | 80000U |
| 2,4-Dimethylphenol | ug/kg dw | 420U | | 430U | 430U | | 390U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS330001111199900S | SS330001111199900S | SS33001011199900S | SS33001011199900D | SS33001011199900D | SS331001111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*1 | S917880*1-DL | S917880*3 | S917880*2 | S917880*2-DL | S917852*1 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| m-Dinitrobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 2,4-Dinitrophenol | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 2,4-Dinitrotoluene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,6-Dinitrotoluene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Di-n-octylphthalate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,4-Dioxane | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Ethyl methanesulfonate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Hexachlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Hexachlorobutadiene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Hexachlorocyclopentadiene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Hexachloroethane | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Hexachlorophene | ug/kg dw | 25000U | | 26000U | 26000U | | 24000U |
| Hexachloropropene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Isophorone | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Isosafrole | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Methapyrilene | ug/kg dw | 8400U | | 8600U | 8600U | | 7800U |
| 3-Methylcholanthrene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Methyl methanesulfonate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Methylnaphthalene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,4-Naphthoquinone | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1-Naphthylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Naphthylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| Nitrobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 4200U | | 4300U | 4300U | | 3900U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosodiethylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosodimethylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosomethylethylamine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosomorpholine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosopiperidine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| N-Nitrosopyrrolidine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 5-Nitro-o-toluidine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Pentachlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Pentachlorophenol | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| Phenacetin | ug/kg dw | 420U | | 430U | 430U | | 390U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS330001111199900S | SS330001111199900S | SS330010111199900S | SS330010111199900D | SS330010111199900D | SS331001111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*1 | S917880*1-DL | S917880*3 | S917880*2 | S917880*2-DL | S917852*1 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2200U | | 2200U | 2200U | | 2000U |
| 2-Picoline | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Pronamide | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Pyridine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Safrole | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| o-Toluidine | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,4,5-Trichlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 2,4,6-Trichlorophenol | ug/kg dw | 420U | | 430U | 430U | | 390U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Famphur | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Dimethoate | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Quinoline | ug/kg dw | 840U | | 860U | 860U | | 780U |
| Benzenethiol | ug/kg dw | 840U | | 860U | 860U | | 780U |
| Kepone | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1-Methylnaphthalene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| Pentachloronitrobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,2-Dichlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,3-Dichlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,4-Dichlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 420U | | 430U | 430U | | 390U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 630U | | 640U | 65U | 650U | 600U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | 56 | | 330 | 120 | 150D | 180 |
| Benzo(a)anthracene | ug/kg dw | 260 | | 490 | 210 | 230D | 470 |
| Benzo(a)pyrene | ug/kg dw | 170P | | 560 | 230E | 260D | 280P |
| Benzo(b)fluoranthene | ug/kg dw | 79P | | 510 | 240E | 280D | 130P |
| Benzo(g,h,i)perylene | ug/kg dw | 130P | | 660P | 340 | 220D | 590P |
| Benzo(k)fluoranthene | ug/kg dw | 51U | | 240 | 110 | 150D | 48U |
| Chrysene | ug/kg dw | 280 | | 460 | 220E | 230D | 840 |
| Dibenzo(a,h)anthracene | ug/kg dw | 130U | | 430P | 110P | 130U | 160P |
| Fluoranthene | ug/kg dw | 240P | | 1400 | 700E | 740D | 940P |
| Fluorene | ug/kg dw | 130U | | 130U | 39 | 130U | 120U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 130U | | 400 | 140E | 140D | 120U |
| Naphthalene | ug/kg dw | 250U | | 260U | 38P | 260U | 240U |
| Phenanthrene | ug/kg dw | 360P | | 1100 | 430E | 480D | 1100P |
| Pyrene | ug/kg dw | 280P | | 1100 | 460 | 510D | 490P |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS330001111199900S | SS330001111199900S | SS330010111199900S | SS330010111199900D | SS330010111199900D | SS331001111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*1 | S917880*1-DL | S917880*3 | S917880*2 | S917880*2-DL | S917852*1 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 5.1U | | 5.2U | 5.2U | | 4.8U |
| Arsenic | mg/kg dw | 4.7 | | 8.1 | 8.7 | | 7.2 |
| Barium | mg/kg dw | 100N | | 850N | 1100N | | 270N |
| Beryllium | mg/kg dw | 0.43 | | 0.83 | 0.84 | | 0.78 |
| Cadmium | mg/kg dw | 0.63U | | 1.3U | 0.8 | | 0.60U |
| Chromium | mg/kg dw | 15 | | 420 | 420 | | 130 |
| Cobalt | mg/kg dw | 4.2 | | 6.7 | 6.6 | | 6.7 |
| Copper | mg/kg dw | 17 | | 45 | 44 | | 30 |
| Nickel | mg/kg dw | 16 | | 19 | 41 | | 23 |
| Lead | mg/kg dw | 25N | | 90N | 100N | | 68N |
| Selenium | mg/kg dw | 1.3U | | 26U | 2.6U | | 1.2U |
| Silver | mg/kg dw | 1.3U | | 1.3U | 1.3U | | 1.2U |
| Tin | mg/kg dw | 6.3U | | 6.5U | 6.5U | | 6.0U |
| Thallium | mg/kg dw | 1.3U | | 26U | 2.6U | | 1.2U |
| Vanadium | mg/kg dw | 24 | | 390 | 170 | | 32 |
| Zinc | mg/kg dw | 60E* | | 480E* | 610E* | | 130E* |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.16 | | 0.25 | 0.27 | | 0.41 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.3U | | 1.3U | 1.3U | | 1.2U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 32U | | 32U | 32U | | 30U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | 690E | 920D | 310U | 43 | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | 380U | | 93 | 310U | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | 7.49 | | | 7.32 |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | 1300 | | | 15000 |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | 26 % | | | 15 % |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS331005111189900S | SS331005111189900D | SS335001111169900S | SS335005111169900S | SS335005111169900S | SS336001111199900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*2 | S917852*3 | S917757*1 | S917757*2 | S917757*2-DL | S917880*4 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/19/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 220U | 230U | 160U | 200U | | 370U |
| Acetone | ug/kg dw | 76 | 170 | 39U | 51U | | 92U |
| Benzene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Bromodichloromethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Bromomethane (Methyl bromide) | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| Carbon disulfide | ug/kg dw | 5.6U | 12 | 3.9U | 5.1U | | 9.2U |
| Chlorobenzene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Dibromochloromethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Chloroethane | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| Chloromethane (Methyl chloride) | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| Chloroform | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Chloroprene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Dichlorodifluoromethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1-Dichloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,2-Dichloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| trans-1,2-Dichloroethene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1-Dichloroethylene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,2-Dichloropropane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| cis-1,3-Dichloropropene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| trans-1,3-Dichloropropene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Ethylbenzene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Methyl ethyl ketone | ug/kg dw | 110U | 45 | 20U | 26U | | 46U |
| Iodomethane (Methyl iodide) | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Methacrylonitrile | ug/kg dw | 110U | 110U | 79U | 100U | | 180U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 28U | 29U | 20U | 26U | | 46U |
| Pentachloroethane | ug/kg dw | 28U | 29U | 20U | 26U | | 46U |
| Styrene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Tetrachloroethene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Carbon tetrachloride | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Toluene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Bromoform | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1,2-Trichloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,1,1-Trichloroethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Trichloroethene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Trichlorofluoromethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| 1,2,3-Trichloropropane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Vinyl acetate | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS331005111189900S | SS331005111189900D | SS335001111169900S | SS335005111169900S | SS335005111169900S | SS336001111199900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*2 | S917852*3 | S917757*1 | S917757*2 | S917757*2-DL | S917880*4 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/19/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| Xylenes, Total | ug/kg dw | 11U | 11U | 7.9U | 10U | | 18U |
| 2-Hexanone | ug/kg dw | 28U | 29U | 20U | 26U | | 46U |
| Propionitrile | ug/kg dw | 110U | 110U | 79U | 100U | | 180U |
| Methyl methacrylate | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Acrolein (Propenal) | ug/kg dw | 110U | 110U | 79U | 100U | | 180U |
| Acrylonitrile | ug/kg dw | 110U | 110U | 79U | 100U | | 180U |
| Ethyl methacrylate | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 220U | 230U | 160U | 200U | | 370U |
| Dibromomethane | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| cis-1,2-Dichloroethene | ug/kg dw | 5.6U | 5.7U | 3.9U | 5.1U | | 9.2U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Acetylaminofluorene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4-Aminobiphenyl | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Aniline | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Aramite (total) | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Benzyl alcohol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| bis(2-Chloroethyl)ether | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4-Bromophenylphenyl ether | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Butylbenzylphthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 820U | 850U | 3600U | 730U | | 750U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Chloronaphthalene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Chlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Cresol, m & p | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Cresol (ortho) | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Diallate, Total | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Dibenzofuran | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Di-n-butylphthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 820U | 850U | 3600U | 730U | | 750U |
| 2,4-Dichlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,6-Dichlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Diethylphthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 820U | 850U | 3600U | 730U | | 750U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 84000U | 86000U | 360000U | 74000U | | 76000U |
| 2,4-Dimethylphenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS331005111189900S | SS331005111189900D | SS335001111169900S | SS335005111169900S | SS335005111169900S | SS336001111199900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*2 | S917852*3 | S917757*1 | S917757*2 | S917757*2-DL | S917880*4 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/19/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| m-Dinitrobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 2,4-Dinitrophenol | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 2,4-Dinitrotoluene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,6-Dinitrotoluene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Di-n-octylphthalate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,4-Dioxane | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Ethyl methanesulfonate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Hexachlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Hexachlorobutadiene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Hexachlorocyclopentadiene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Hexachloroethane | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Hexachlorophene | ug/kg dw | 25000U | 26000U | 110000U | 22000U | | 23000U |
| Hexachloropropene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Isophorone | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Isosafrole | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Methapyrilene | ug/kg dw | 8200U | 8500U | 36000U | 7300U | | 7500U |
| 3-Methylcholanthrene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Methyl methanesulfonate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Methylnaphthalene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,4-Naphthoquinone | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1-Naphthylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Naphthylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| Nitrobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 4100U | 4200U | 18000U | 3600U | | 3800U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosodiethylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosodimethylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosomethylethylamine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosomorpholine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosopiperidine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| N-Nitrosopyrrolidine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 5-Nitro-o-toluidine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Pentachlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Pentachlorophenol | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| Phenacetin | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS331005111189900S | SS331005111189900D | SS335001111169900S | SS335005111169900S | SS335005111169900S | SS336001111199900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*2 | S917852*3 | S917757*1 | S917757*2 | S917757*2-DL | S917880*4 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/19/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2100U | 2200U | 9200U | 1900U | | 1900U |
| 2-Picoline | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Pronamide | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Pyridine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Safrole | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| o-Toluidine | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,4,5-Trichlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 2,4,6-Trichlorophenol | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Famphur | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Dimethoate | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Quinoline | ug/kg dw | 820U | 850U | 3600U | 730U | | 750U |
| Benzenethiol | ug/kg dw | 820U | 850U | 3600U | 730U | | 750U |
| Kepone | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1-Methylnaphthalene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| Pentachloronitrobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,2-Dichlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,3-Dichlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,4-Dichlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 410U | 420U | 1800U | 360U | | 380U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 1900U | 1900U | 590 | 55OU | 2200U | 570U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | 420 | 570 | 190 | 840 | 870D | 210 |
| Benzo(a)anthracene | ug/kg dw | 1200 | 1500P | 270 | 870 | 900D | 420 |
| Benzo(a)pyrene | ug/kg dw | 420 | 600 | 220 | 640 | 580D | 440 |
| Benzo(b)fluoranthene | ug/kg dw | 150U | 260P | 88P | 710P | 690DP | 500 |
| Benzo(g,h,i)perylene | ug/kg dw | 540 | 920P | 160P | 550 | 590D | 490 |
| Benzo(k)fluoranthene | ug/kg dw | 150U | 150U | 43U | 290P | 320D | 250 |
| Chrysene | ug/kg dw | 1000 | 1400 | 530P | 1100 | 1100D | 440 |
| Dibenzo(a,h)anthracene | ug/kg dw | 380U | 460 | 140P | 110U | 440U | 110U |
| Fluoranthene | ug/kg dw | 610P | 620P | 490P | 3000 | 3700D | 1300 |
| Fluorene | ug/kg dw | 380U | 380U | 110U | 270 | 440U | 110U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 380U | 380U | 110U | 340 | 440U | 300 |
| Naphthalene | ug/kg dw | 750U | 770U | 220U | 220U | 880U | 230U |
| Phenanthrene | ug/kg dw | 1100P | 1500P | 930 | 2500E | 2600D | 810 |
| Pyrene | ug/kg dw | 1600P | 1900P | 1400P | 1900 | 2000D | 960 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS331005111189900S | SS331005111189900D | SS335001111169900S | SS335005111169900S | SS335005111169900S | SS336001111199900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*2 | S917852*3 | S917757*1 | S917757*2 | S917757*2-DL | S917880*4 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/19/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 5.0U | 5.1U | 4.3U | 4.0U | | 4.1U |
| Arsenic | mg/kg dw | 7.4 | 7.3 | 13 | 14 | | 3.8 |
| Barium | mg/kg dw | 220N | 250N | 140 | 120 | | 130N |
| Beryllium | mg/kg dw | 0.85 | 0.86 | 1.2E | 0.78E | | 0.98 |
| Cadmium | mg/kg dw | 0.62U | 0.64U | 1.5E | 1.9E | | 0.57U |
| Chromium | mg/kg dw | 20 | 65 | 20 | 19 | | 100 |
| Cobalt | mg/kg dw | 15 | 7.2 | 7.5E | 9.6E | | 5.3 |
| Copper | mg/kg dw | 24 | 29 | 32 | 26 | | 47 |
| Nickel | mg/kg dw | 25 | 23 | 32 | 34 | | 17 |
| Lead | mg/kg dw | 53N | 58N | 79 | 60 | | 74N |
| Selenium | mg/kg dw | 1.2U | 1.3U | 1.1U | 1.1U | | 1.1U |
| Silver | mg/kg dw | 1.2U | 1.3U | 1.1U | 1.1U | | 1.1U |
| Tin | mg/kg dw | 6.2U | 6.4U | 5.4U | 5.6U | | 45 |
| Thallium | mg/kg dw | 1.2U | 1.3U | 1.1U | 1.1U | | 1.1U |
| Vanadium | mg/kg dw | 27 | 38 | 34 | 32 | | 26 |
| Zinc | mg/kg dw | 90E* | 140E* | 120 | 100 | | 110E* |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.26 | 0.3 | 0.35N | 0.37N | | 0.18 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.2U | 1.3U | 1.1U | 1.1U | | 1.1U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 35 | 32U | 27U | 28U | | 28U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 7.42 | 7.18 | 7.14 | 6.94 | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 28000 | 15000 | 28000 | 67000 | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | 24 % | 23 % | 8 | 15 | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS336010111999900S | SS337001111999900S | SS337001111999900S | SS337010111999900S | SS337010111999900S | W3290071116990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*5 | S917880*6 | S917880*6-RE | S917880*7 | S917880*7-DL | S917757*13 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 220U | 340U | 340U | 210U | | 200U |
| Acetone | ug/kg dw | 56U | 86u | 86U | 53U | | 25U |
| Benzene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Bromodichloromethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| Carbon disulfide | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Chlorobenzene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Dibromochloromethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Chloroethane | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| Chloromethane (Methyl chloride) | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| Chloroform | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Chloroprene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Dichlorodifluoromethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1-Dichloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| trans-1,2-Dichloroethene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1-Dichloroethylene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,2-Dichloropropane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| cis-1,3-Dichloropropene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| trans-1,3-Dichloropropene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Ethylbenzene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Methyl ethyl ketone | ug/kg dw | 28U | 43U | 43U | 26U | | 25U |
| Iodomethane (Methyl iodide) | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Methacrylonitrile | ug/kg dw | 110U | 170U | 170U | 100U | | 100U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 28U | 43U | 43U | 26U | | 25U |
| Pentachloroethane | ug/kg dw | 28U | 43U | 43U | 26U | | 25U |
| Styrene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Tetrachloroethene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Carbon tetrachloride | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Toluene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Bromoform | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1,2-Trichloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,1,1-Trichloroethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Trichloroethene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Trichlorofluoromethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| 1,2,3-Trichloropropane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Vinyl acetate | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS336010111999 00S | SS337001111999 00S | SS337001111999 00S | SS337010111999 00S | SS337010111999 00S | W3290071116990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*5 | S917880*6 | S917880*6-RE | S917880*7 | S917880*7-DL | S917757*13 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| Xylenes, Total | ug/kg dw | 11U | 17U | 17U | 10U | | 10U |
| 2-Hexanone | ug/kg dw | 28U | 43U | 43U | 26U | | 25U |
| Propionitrile | ug/kg dw | 110U | 170U | 170U | 100U | | 100U |
| Methyl methacrylate | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Acrolein (Propenal) | ug/kg dw | 110U | 170U | 170U | 100U | | 100U |
| Acrylonitrile | ug/kg dw | 110U | 170U | 170U | 100U | | 100U |
| Ethyl methacrylate | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 220U | 340U | 340U | 210U | | 200U |
| Dibromomethane | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| cis-1,2-Dichloroethene | ug/kg dw | 5.6U | 8.6U | 8.6U | 5.3U | | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Acetylaminofluorene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4-Aminobiphenyl | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Aniline | ug/kg dw | 420U | 460U | | 410U | | 20U |
| Aramite (total) | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Benzyl alcohol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 420U | 460U | | 410U | | 10U |
| bis(2-Chloroethyl)ether | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 420U | 460U | | 410U | | 10U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4-Bromophenylphenyl ether | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Butylbenzylphthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 840U | 930U | | 820U | | 20U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Chloronaphthalene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Chlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Cresol, m & p | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Cresol (ortho) | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Diallate, Total | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Dibenzofuran | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Di-n-butylphthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 840U | 930U | | 820U | | 20U |
| 2,4-Dichlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,6-Dichlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Diethylphthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 840U | 930U | | 820U | | 20U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 85000U | 94000U | | 84000U | | 2000U |
| 2,4-Dimethylphenol | ug/kg dw | 420U | 460U | | 410U | | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS336010111199900S | SS337001111199900S | SS337001111199900S | SS337010111199900S | SS337010111199900S | W3290071116990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*5 | S917880*6 | S917880*6-RE | S917880*7 | S917880*7-DL | S917757*13 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| m-Dinitrobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| 2,4-Dinitrophenol | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| 2,4-Dinitrotoluene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,6-Dinitrotoluene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Di-n-octylphthalate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,4-Dioxane | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Ethyl methanesulfonate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Hexachlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Hexachlorobutadiene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Hexachlorocyclopentadiene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Hexachloroethane | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Hexachlorophene | ug/kg dw | 25000U | 28000U | | 25000U | | 5000U |
| Hexachloropropene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Isophorone | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Isosafrole | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Methapyrilene | ug/kg dw | 8400U | 9300U | | 8200U | | 2000U |
| 3-Methylcholanthrene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Methyl methanesulfonate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Methylnaphthalene | ug/kg dw | 420U | 460U | | 440 | | 10U |
| 1,4-Naphthoquinone | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1-Naphthylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Naphthylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| Nitrobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 4200U | 4600U | | 4100U | | 20U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosodiethylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosodimethylamine | ug/kg dw | 1600 | 460U | | 410U | | 10U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosomethylethylamine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosomorpholine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosopiperidine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| N-Nitrosopyrrolidine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 5-Nitro-o-toluidine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Pentachlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Pentachlorophenol | ug/kg dw | 2200U | 2400U | | 2100U | | 50U |
| Phenacetin | ug/kg dw | 420U | 460U | | 410U | | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS336010111999900S | SS337001111999900S | SS337001111999900S | SS337010111999900S | SS337010111999900S | W3290071116990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*5 | S917880*6 | S917880*6-RE | S917880*7 | S917880*7-DL | S917757*13 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2200U | 2400U | | 2100U | | 2000U |
| 2-Picoline | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Pronamide | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Pyridine | ug/kg dw | 420U | 460U | | 410U | | 50U |
| Safrole | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| o-Toluidine | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,4,5-Trichlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 2,4,6-Trichlorophenol | ug/kg dw | 420U | 460U | | 410U | | 10U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Famphur | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Dimethoate | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Quinoline | ug/kg dw | 840U | 930U | | 820U | | 50U |
| Benzenethiol | ug/kg dw | 840U | 930U | | 820U | | 50U |
| Kepone | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1-Methylnaphthalene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| Pentachloronitrobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,2-Dichlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,3-Dichlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,4-Dichlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 420U | 460U | | 410U | | 10U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 63U | 70U | | 3100U | 6200U | 1.0U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | 5.1U | 5.6U | | 460 | 500U | 0.20U |
| Benzo(a)anthracene | ug/kg dw | 5.1U | 5.6U | | 5800 | 6400D | 0.20U |
| Benzo(a)pyrene | ug/kg dw | 5.1U | 5.6U | | 8600 | 8800D | 0.20U |
| Benzo(b)fluoranthene | ug/kg dw | 5.1U | 5.6U | | 13000E | 12000D | 0.20U |
| Benzo(g,h,i)perylene | ug/kg dw | 13U | 14U | | 12000 | 9700DP | 0.50U |
| Benzo(k)fluoranthene | ug/kg dw | 5.1U | 5.6U | | 4800 | 4800D | 0.20U |
| Chrysene | ug/kg dw | 5.1U | 5.6U | | 5800 | 5700D | 0.20U |
| Dibenzo(a,h)anthracene | ug/kg dw | 13U | 14U | | 4100P | 4500DP | 0.20U |
| Fluoranthene | ug/kg dw | 13U | 14U | | 14000 | 14000D | 0.50U |
| Fluorene | ug/kg dw | 13U | 14U | | 620U | 1200U | 0.50U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 13U | 14U | | 6600E | 7100D | 0.20U |
| Naphthalene | ug/kg dw | 25U | 28U | | 1200U | 2500U | 1.0U |
| Phenanthrene | ug/kg dw | 5.1U | 5.6U | | 2400 | 2400D | 0.20U |
| Pyrene | ug/kg dw | 13U | 14U | | 10000 | 10000D | 0.50U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS336010111999 00S | SS337001111999 00S | SS337001111999 00S | SS337010111999 00S | SS337010111999 00S | W3290071116990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917880*5 | S917880*6 | S917880*6-RE | S917880*7 | S917880*7-DL | S917757*13 |
| SAMPLE DATE | | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/19/99 | 11/16/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 5.1U | 5.6U | | 4.5U | | 0.020U |
| Arsenic | mg/kg dw | 7.8 | 10 | | 8.5 | | 0.0032U |
| Barium | mg/kg dw | 150N | 56N | | 180N | | 0.010U |
| Beryllium | mg/kg dw | 0.6 | 0.73 | | 0.59 | | 0.0014U |
| Cadmium | mg/kg dw | 0.63U | 0.70U | | 0.62U | | 0.0050U |
| Chromium | mg/kg dw | 15 | 32 | | 15 | | 0.010U |
| Cobalt | mg/kg dw | 4.3 | 4.4 | | 14 | | 0.010U |
| Copper | mg/kg dw | 15 | 74 | | 16 | | 0.020U |
| Nickel | mg/kg dw | 17 | 17 | | 32 | | 0.040U |
| Lead | mg/kg dw | 9.7N | 89N | | 12N | | 0.0050U |
| Selenium | mg/kg dw | 1.3U | 1.4U | | 1.2U | | 0.010U |
| Silver | mg/kg dw | 1.3U | 1.4U | | 1.2U | | 0.010U |
| Tin | mg/kg dw | 6.3U | 7.0U | | 6.2U | | 0.050U |
| Thallium | mg/kg dw | 1.3U | 1.4U | | 1.2U | | 0.010U |
| Vanadium | mg/kg dw | 26 | 18 | | 28 | | 0.010U |
| Zinc | mg/kg dw | 47E* | 120E* | | 48E* | | 0.020U |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.042 | 0.21 | | 0.037 | | 0.00020U |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.3U | 1.4U | | 1.3U | | 0.010U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 32U | 35U | | 31U | | 1.0U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | 50u |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | 0.10U |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | W3310081118990EB | W3300091119990EB | TB-004 | TB012 | TB013 | TB014 | TB015 | TB016 | TB017 |
|---|---|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*10 | S917880*8 | S917515A*3 | S917757*14 | S917757*15 | S917757*16 | S917852*11 | S917852*12 | S917880*9 |
| SAMPLE DATE | | 11/18/99 | 11/19/99 | 11/05/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 | 11/19/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | | | | |
| Acetonitrile | ug/kg dw | 200U | 200U | 200U | 200U | 200U | 200U | 200U | 200U | 200U |
| Acetone | ug/kg dw | 50U | 25U | 50U | 50U | 25U | 50U | 50U | 50U | 50U |
| Benzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromodichloromethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| Carbon disulfide | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chlorobenzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Dibromochloromethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chloroethane | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| Chloromethane (Methyl chloride) | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| Chloroform | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chloroprene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 5.0U | 5.0U | 10U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Dichlorodifluoromethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1-Dichloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,2-Dichloroethene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1-Dichloroethylene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dichloropropane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| cis-1,3-Dichloropropene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,3-Dichloropropene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Ethylbenzene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methyl ethyl ketone | ug/kg dw | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U |
| Iodomethane (Methyl iodide) | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methacrylonitrile | ug/kg dw | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U |
| Pentachloroethane | ug/kg dw | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U |
| Styrene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Tetrachloroethene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Carbon tetrachloride | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Toluene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromoform | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,2-Trichloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,1-Trichloroethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Trichloroethene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Trichlorofluoromethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2,3-Trichloropropane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Vinyl acetate | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | W3310081118990EB | W3300091119990EB | TB-004 | TB012 | TB013 | TB014 | TB015 | TB016 | TB017 |
|---|---|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*10 | S917880*8 | S917515A*3 | S917757*14 | S917757*15 | S917757*16 | S917852*11 | S917852*12 | S917880*9 |
| SAMPLE DATE | | 11/18/99 | 11/19/99 | 11/05/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 | 11/19/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | | | | |
| Vinyl chloride | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| Xylenes, Total | ug/kg dw | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U | 10U |
| 2-Hexanone | ug/kg dw | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U | 25U |
| Propionitrile | ug/kg dw | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U |
| Methyl methacrylate | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Acrolein (Propenal) | ug/kg dw | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U |
| Acrylonitrile | ug/kg dw | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U | 100U |
| Ethyl methacrylate | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 200U | 200U | 200U | 200U | 200U | 200U | 200U | 200U | 200U |
| Dibromomethane | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| cis-1,2-Dichloroethene | ug/kg dw | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | | | |
| Acetophenone | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Acetylaminofluorene | ug/kg dw | 10U | 10U | | | | | | | |
| 4-Aminobiphenyl | ug/kg dw | 10U | 10U | | | | | | | |
| Aniline | ug/kg dw | 20U | 20U | | | | | | | |
| Aramite (total) | ug/kg dw | 10U | 10U | | | | | | | |
| Benzyl alcohol | ug/kg dw | 10U | 10U | | | | | | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | 10U | 10U | | | | | | | |
| bis(2-Chloroethyl)ether | ug/kg dw | 10U | 10U | | | | | | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 10U | 10U | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 10U | 10U | | | | | | | |
| 4-Bromophenylphenyl ether | ug/kg dw | 10U | 10U | | | | | | | |
| Butylbenzylphthalate | ug/kg dw | 10U | 10U | | | | | | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 20U | 20U | | | | | | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Chloronaphthalene | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Chlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | 10U | 10U | | | | | | | |
| Cresol, m & p | ug/kg dw | 10U | 10U | | | | | | | |
| Cresol (ortho) | ug/kg dw | 10U | 10U | | | | | | | |
| Diallate, Total | ug/kg dw | 10U | 10U | | | | | | | |
| Dibenzofuran | ug/kg dw | 10U | 10U | | | | | | | |
| Di-n-butylphthalate | ug/kg dw | 10U | 10U | | | | | | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | 20U | 20U | | | | | | | |
| 2,4-Dichlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| 2,6-Dichlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| Diethylphthalate | ug/kg dw | 10U | 10U | | | | | | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 10U | 10U | | | | | | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | 20U | 20U | | | | | | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 200U | 200U | | | | | | | |
| 2,4-Dimethylphenol | ug/kg dw | 10U | 10U | | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | W3310081118990EB | W3300091119990EB | TB-004 | TB012 | TB013 | TB014 | TB015 | TB016 | TB017 |
|---|---|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*10 | S917880*8 | S917515A*3 | S917757*14 | S917757*15 | S917757*16 | S917852*11 | S917852*12 | S917880*9 |
| SAMPLE DATE | | 11/18/99 | 11/19/99 | 11/05/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 | 11/19/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | | | |
| Dimethylphthalate | ug/kg dw | 10U | 10U | | | | | | | |
| m-Dinitrobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 50U | 50U | | | | | | | |
| 2,4-Dinitrophenol | ug/kg dw | 50U | 50U | | | | | | | |
| 2,4-Dinitrotoluene | ug/kg dw | 10U | 10U | | | | | | | |
| 2,6-Dinitrotoluene | ug/kg dw | 10U | 10U | | | | | | | |
| Di-n-octylphthalate | ug/kg dw | 10U | 10U | | | | | | | |
| 1,4-Dioxane | ug/kg dw | 10U | 10U | | | | | | | |
| Ethyl methanesulfonate | ug/kg dw | 10U | 10U | | | | | | | |
| Hexachlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| Hexachlorobutadiene | ug/kg dw | 10U | 10U | | | | | | | |
| Hexachlorocyclopentadiene | ug/kg dw | 10U | 10U | | | | | | | |
| Hexachloroethane | ug/kg dw | 10U | 10U | | | | | | | |
| Hexachlorophene | ug/kg dw | 5000U | 5000U | | | | | | | |
| Hexachloropropene | ug/kg dw | 10U | 10U | | | | | | | |
| Isophorone | ug/kg dw | 10U | 10U | | | | | | | |
| Isosafrole | ug/kg dw | 10U | 10U | | | | | | | |
| Methapyrilene | ug/kg dw | 200U | 200U | | | | | | | |
| 3-Methylcholanthrene | ug/kg dw | 10U | 10U | | | | | | | |
| Methyl methanesulfonate | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Methylnaphthalene | ug/kg dw | 10U | 10U | | | | | | | |
| 1,4-Naphthoquinone | ug/kg dw | 10U | 10U | | | | | | | |
| 1-Naphthylamine | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Naphthylamine | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 50U | 50U | | | | | | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 50U | 50U | | | | | | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 50U | 50U | | | | | | | |
| Nitrobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 10U | 10U | | | | | | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 50U | 50U | | | | | | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 20U | 20U | | | | | | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosodiethylamine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosodimethylamine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 10U | 10U | | | | | | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosomethylethylamine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosomorpholine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosopiperidine | ug/kg dw | 10U | 10U | | | | | | | |
| N-Nitrosopyrrolidine | ug/kg dw | 10U | 10U | | | | | | | |
| 5-Nitro-o-toluidine | ug/kg dw | 10U | 10U | | | | | | | |
| Pentachlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| Pentachlorophenol | ug/kg dw | 50U | 50U | | | | | | | |
| Phenacetin | ug/kg dw | 10U | 10U | | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | W3310081118990EB | W3300091119990EB | TB-004 | TB012 | TB013 | TB014 | TB015 | TB016 | TB017 |
|---|---|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*10 | S917880*8 | S917515A*3 | S917757*14 | S917757*15 | S917757*16 | S917852*11 | S917852*12 | S917880*9 |
| SAMPLE DATE | | 11/18/99 | 11/19/99 | 11/05/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 | 11/19/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | | | |
| Phenol | ug/kg dw | 10U | 10U | | | | | | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2000U | 2000U | | | | | | | |
| 2-Picoline | ug/kg dw | 10U | 10U | | | | | | | |
| Pronamide | ug/kg dw | 10U | 10U | | | | | | | |
| Pyridine | ug/kg dw | 50U | 50U | | | | | | | |
| Safrole | ug/kg dw | 10U | 10U | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| o-Toluidine | ug/kg dw | 10U | 10U | | | | | | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 2,4,5-Trichlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| 2,4,6-Trichlorophenol | ug/kg dw | 10U | 10U | | | | | | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 10U | 10U | | | | | | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| Famphur | ug/kg dw | 10U | 10U | | | | | | | |
| Dimethoate | ug/kg dw | 10U | 10U | | | | | | | |
| Quinoline | ug/kg dw | 50U | 50U | | | | | | | |
| Benzenethiol | ug/kg dw | 50U | 50U | | | | | | | |
| Kepone | ug/kg dw | 10U | 10U | | | | | | | |
| 1-Methylnaphthalene | ug/kg dw | 10U | 10U | | | | | | | |
| Pentachloronitrobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 1,2-Dichlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 1,3-Dichlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 1,4-Dichlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 10U | 10U | | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | | | | |
| Acenaphthene | ug/kg dw | 1.0U | 1.0U | | | | | | | |
| Acenaphthylene | ug/kg dw | | | | | | | | | |
| Anthracene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Benzo(a)anthracene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Benzo(a)pyrene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Benzo(b)fluoranthene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | 0.50U | 0.50U | | | | | | | |
| Benzo(k)fluoranthene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Chrysene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Fluoranthene | ug/kg dw | 0.50U | 0.50U | | | | | | | |
| Fluorene | ug/kg dw | 0.50U | 0.50U | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Naphthalene | ug/kg dw | 1.0U | 1.0U | | | | | | | |
| Phenanthrene | ug/kg dw | 0.20U | 0.20U | | | | | | | |
| Pyrene | ug/kg dw | 0.50U | 0.50U | | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | W3310081118990EB | W3300091119990EB | TB-004 | TB012 | TB013 | TB014 | TB015 | TB016 | TB017 |
|---|---|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*10 | S917880*8 | S917515A*3 | S917757*14 | S917757*15 | S917757*16 | S917852*11 | S917852*12 | S917880*9 |
| SAMPLE DATE | | 11/18/99 | 11/19/99 | 11/05/99 | 11/16/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 | 11/19/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | | | |
| **Metals (6010)** | | | | | | | | | | |
| Antimony | mg/kg dw | 0.020U | 0.020U | | | | | | | |
| Arsenic | mg/kg dw | 0.0032U | 0.0032U | | | | | | | |
| Barium | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Beryllium | mg/kg dw | 0.0014U | 0.0014U | | | | | | | |
| Cadmium | mg/kg dw | 0.0050U | 0.0050U | | | | | | | |
| Chromium | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Cobalt | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Copper | mg/kg dw | 0.020U | 0.020U | | | | | | | |
| Nickel | mg/kg dw | 0.040U | 0.040U | | | | | | | |
| Lead | mg/kg dw | 0.0050U | 0.0050U | | | | | | | |
| Selenium | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Silver | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Tin | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Thallium | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Vanadium | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| Zinc | mg/kg dw | 0.020U | 0.020U | | | | | | | |
| **Mercury (7471)** | | | | | | | | | | |
| Mercury | mg/kg dw | 0.00020U | 0.00020U | | | | | | | |
| **Cyanide (9010)** | | | | | | | | | | |
| Cyanide, Total | mg/kg dw | 0.010U | 0.010U | | | | | | | |
| **Sulfide** | | | | | | | | | | |
| Sulfide | mg/kg dw | 1.0U | 1.0U | | | | | | | |
| **Gasoline Range Organics (8015M)** | | | | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | 50U | | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | 0.10U | | | | | | | |
| **pH in Soil (9045)** | | | | | | | | | | |
| pH | units | | | | | | | | | |
| **Organic Carbon** | | | | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | TB018 | TB019 |
|---|---|---|---|
| SL LOG NUMBER | | S917880*10 | S917950*5 |
| SAMPLE DATE | | 11/19/99 | 11/23/99 |
| MATRIX | | WATER | WATER |
| | UNITS | | |
| **Volatile Organic Compounds (8260)** | | | |
| Acetonitrile | ug/kg dw | 200U | 200U |
| Acetone | ug/kg dw | 50U | 50U |
| Benzene | ug/kg dw | 5.0U | 5.0U |
| Bromodichloromethane | ug/kg dw | 5.0U | 5.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | 10U | 10U |
| Carbon disulfide | ug/kg dw | 5.0U | 5.0U |
| Chlorobenzene | ug/kg dw | 5.0U | 5.0U |
| Dibromochloromethane | ug/kg dw | 5.0U | 5.0U |
| Chloroethane | ug/kg dw | 10U | 10U |
| Chloromethane (Methyl chloride) | ug/kg dw | 10U | 10U |
| Chloroform | ug/kg dw | 5.0U | 5.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 5.0U | 5.0U |
| Chloroprene | ug/kg dw | 5.0U | 5.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 10U | 5.0U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.0U | 5.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 5.0U | 10U |
| Dichlorodifluoromethane | ug/kg dw | 5.0U | 5.0U |
| 1,1-Dichloroethane | ug/kg dw | 5.0U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 5.0U | 5.0U |
| trans-1,2-Dichloroethene | ug/kg dw | 5.0U | 5.0U |
| 1,1-Dichloroethylene | ug/kg dw | 5.0U | 5.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 5.0U | 5.0U |
| 1,2-Dichloropropane | ug/kg dw | 5.0U | 5.0U |
| cis-1,3-Dichloropropene | ug/kg dw | 5.0U | 5.0U |
| trans-1,3-Dichloropropene | ug/kg dw | 5.0U | 5.0U |
| Ethylbenzene | ug/kg dw | 5.0U | 5.0U |
| Methyl ethyl ketone | ug/kg dw | 25U | 25U |
| Iodomethane (Methyl iodide) | ug/kg dw | 5.0U | 5.0U |
| Methacrylonitrile | ug/kg dw | 100U | 100U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 25U | 25U |
| Pentachloroethane | ug/kg dw | 25U | 25U |
| Styrene | ug/kg dw | 5.0U | 5.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 5.0U | 5.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 5.0U | 5.0U |
| Tetrachloroethene | ug/kg dw | 5.0U | 5.0U |
| Carbon tetrachloride | ug/kg dw | 5.0U | 5.0U |
| Toluene | ug/kg dw | 5.0U | 5.0U |
| Bromoform | ug/kg dw | 5.0U | 5.0U |
| 1,1,2-Trichloroethane | ug/kg dw | 5.0U | 5.0U |
| 1,1,1-Trichloroethane | ug/kg dw | 5.0U | 5.0U |
| Trichloroethene | ug/kg dw | 5.0U | 5.0U |
| Trichlorofluoromethane | ug/kg dw | 5.0U | 5.0U |
| 1,2,3-Trichloropropane | ug/kg dw | 5.0U | 5.0U |
| Vinyl acetate | ug/kg dw | 10U | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | TB018 | TB019 |
|---|---|---|---|
| SL LOG NUMBER | | S917880*10 | S917950*5 |
| SAMPLE DATE | | 11/19/99 | 11/23/99 |
| MATRIX | | WATER | WATER |
| | UNITS | | |
| **Volatile Organic Compounds (8260)** | | | |
| Vinyl chloride | ug/kg dw | 10U | 10U |
| Xylenes, Total | ug/kg dw | 10U | 10U |
| 2-Hexanone | ug/kg dw | 25U | 25U |
| Propionitrile | ug/kg dw | 100U | 100U |
| Methyl methacrylate | ug/kg dw | 5.0U | 5.0U |
| Acrolein (Propenal) | ug/kg dw | 100U | 100U |
| Acrylonitrile | ug/kg dw | 100U | 100U |
| Ethyl methacrylate | ug/kg dw | 5.0U | 5.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 200U | 200U |
| Dibromomethane | ug/kg dw | 5.0U | 5.0U |
| cis-1,2-Dichloroethene | ug/kg dw | 5.0U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | |
| Acetophenone | ug/kg dw | | |
| 2-Acetylaminofluorene | ug/kg dw | | |
| 4-Aminobiphenyl | ug/kg dw | | |
| Aniline | ug/kg dw | | |
| Aramite (total) | ug/kg dw | | |
| Benzyl alcohol | ug/kg dw | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | | |
| bis(2-Chloroethyl)ether | ug/kg dw | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | |
| 4-Bromophenylphenyl ether | ug/kg dw | | |
| Butylbenzylphthalate | ug/kg dw | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | |
| 2-Chloronaphthalene | ug/kg dw | | |
| 2-Chlorophenol | ug/kg dw | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | | |
| Cresol, m & p | ug/kg dw | | |
| Cresol (ortho) | ug/kg dw | | |
| Diallate, Total | ug/kg dw | | |
| Dibenzofuran | ug/kg dw | | |
| Di-n-butylphthalate | ug/kg dw | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | | |
| 2,4-Dichlorophenol | ug/kg dw | | |
| 2,6-Dichlorophenol | ug/kg dw | | |
| Diethylphthalate | ug/kg dw | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | |
| 2,4-Dimethylphenol | ug/kg dw | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | TB018 | TB019 |
|---|---|---|---|
| SL LOG NUMBER | | S917880*10 | S917950*5 |
| SAMPLE DATE | | 11/19/99 | 11/23/99 |
| MATRIX | | WATER | WATER |
| | UNITS | | |
| **Acids and Base Neutrals (8270-APP9)** | | | |
| Dimethylphthalate | ug/kg dw | | |
| m-Dinitrobenzene | ug/kg dw | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | |
| 2,4-Dinitrophenol | ug/kg dw | | |
| 2,4-Dinitrotoluene | ug/kg dw | | |
| 2,6-Dinitrotoluene | ug/kg dw | | |
| Di-n-octylphthalate | ug/kg dw | | |
| 1,4-Dioxane | ug/kg dw | | |
| Ethyl methanesulfonate | ug/kg dw | | |
| Hexachlorobenzene | ug/kg dw | | |
| Hexachlorobutadiene | ug/kg dw | | |
| Hexachlorocyclopentadiene | ug/kg dw | | |
| Hexachloroethane | ug/kg dw | | |
| Hexachlorophene | ug/kg dw | | |
| Hexachloropropene | ug/kg dw | | |
| Isophorone | ug/kg dw | | |
| Isosafrole | ug/kg dw | | |
| Methapyrilene | ug/kg dw | | |
| 3-Methylcholanthrene | ug/kg dw | | |
| Methyl methanesulfonate | ug/kg dw | | |
| 2-Methylnaphthalene | ug/kg dw | | |
| 1,4-Naphthoquinone | ug/kg dw | | |
| 1-Naphthylamine | ug/kg dw | | |
| 2-Naphthylamine | ug/kg dw | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | |
| Nitrobenzene | ug/kg dw | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | | |
| N-Nitrosodiethylamine | ug/kg dw | | |
| N-Nitrosodimethylamine | ug/kg dw | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | | |
| N-Nitrosomethylethylamine | ug/kg dw | | |
| N-Nitrosomorpholine | ug/kg dw | | |
| N-Nitrosopiperidine | ug/kg dw | | |
| N-Nitrosopyrrolidine | ug/kg dw | | |
| 5-Nitro-o-toluidine | ug/kg dw | | |
| Pentachlorobenzene | ug/kg dw | | |
| Pentachlorophenol | ug/kg dw | | |
| Phenacetin | ug/kg dw | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | TB018 | TB019 |
|---|---|---|---|
| SL LOG NUMBER | | S917880*10 | S917950*5 |
| SAMPLE DATE | | 11/19/99 | 11/23/99 |
| MATRIX | | WATER | WATER |
| | UNITS | | |
| **Acids and Base Neutrals (8270-APP9)** | | | |
| Phenol | ug/kg dw | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | |
| 2-Picoline | ug/kg dw | | |
| Pronamide | ug/kg dw | | |
| Pyridine | ug/kg dw | | |
| Safrole | ug/kg dw | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | |
| o-Toluidine | ug/kg dw | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | | |
| 2,4,5-Trichlorophenol | ug/kg dw | | |
| 2,4,6-Trichlorophenol | ug/kg dw | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | | |
| Famphur | ug/kg dw | | |
| Dimethoate | ug/kg dw | | |
| Quinoline | ug/kg dw | | |
| Benzenethiol | ug/kg dw | | |
| Kepone | ug/kg dw | | |
| 1-Methylnaphthalene | ug/kg dw | | |
| Pentachloronitrobenzene | ug/kg dw | | |
| 1,2-Dichlorobenzene | ug/kg dw | | |
| 1,3-Dichlorobenzene | ug/kg dw | | |
| 1,4-Dichlorobenzene | ug/kg dw | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | |
| | | | 90 % |
| **Polynuclear Aromatics (8310)** | | | 2B1130 |
| Acenaphthene | ug/kg dw | | |
| Acenaphthylene | ug/kg dw | | |
| Anthracene | ug/kg dw | | |
| Benzo(a)anthracene | ug/kg dw | | |
| Benzo(a)pyrene | ug/kg dw | | |
| Benzo(b)fluoranthene | ug/kg dw | | |
| Benzo(g,h,i)perylene | ug/kg dw | | |
| Benzo(k)fluoranthene | ug/kg dw | | |
| Chrysene | ug/kg dw | | |
| Dibenzo(a,h)anthracene | ug/kg dw | | |
| Fluoranthene | ug/kg dw | | |
| Fluorene | ug/kg dw | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | |
| Naphthalene | ug/kg dw | | |
| Phenanthrene | ug/kg dw | | |
| Pyrene | ug/kg dw | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | TB018 | TB019 |
|---|---|---|---|
| SL LOG NUMBER | | S917880*10 | S917950*5 |
| SAMPLE DATE | | 11/19/99 | 11/23/99 |
| MATRIX | | WATER | WATER |
| | UNITS | | |
| **Metals (6010)** | | | |
| Antimony | mg/kg dw | | |
| Arsenic | mg/kg dw | | |
| Barium | mg/kg dw | | |
| Beryllium | mg/kg dw | | |
| Cadmium | mg/kg dw | | |
| Chromium | mg/kg dw | | |
| Cobalt | mg/kg dw | | |
| Copper | mg/kg dw | | |
| Nickel | mg/kg dw | | |
| Lead | mg/kg dw | | |
| Selenium | mg/kg dw | | |
| Silver | mg/kg dw | | |
| Tin | mg/kg dw | | |
| Thallium | mg/kg dw | | |
| Vanadium | mg/kg dw | | |
| Zinc | mg/kg dw | | |
| **Mercury (7471)** | | | |
| Mercury | mg/kg dw | | |
| **Cyanide (9010)** | | | |
| Cyanide, Total | mg/kg dw | | |
| **Sulfide** | | | |
| Sulfide | mg/kg dw | | |
| **Gasoline Range Organics (8015M)** | | | |
| Hydrocarbons as GRO | ug/kg dw | | |
| **Diesel Range Organics (8015)** | | | |
| Hydrocarbons as DRO | mg/kg dw | | |
| **pH in Soil (9045)** | | | |
| pH | units | | |
| **Organic Carbon** | | | |
| Organic Carbon | mg/kg dw | | |
| **Moisture (% Loss on drying @ 105 C)** | | | |
| Moisture (% Loss on drying @ 105 C) | % | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS319012111159900S | SS320012111159900S | SS326010111169900S | SS327010111169900S | SS332001111189900S | SS332014111189900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917721*5 | S917721*6 | S917757*6 | S917757*7 | S917852*4 | S917852*5 |
| SAMPLE DATE | | 11/15/99 | 11/15/99 | 11/16/99 | 11/16/99 | 11/18/99 | 11/18/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | | |
| Benzene | ug/kg dw | 5.9U | 5.8U | 5.7U | 6.1U | 7.1U | 7.0U |
| Ethylbenzene | ug/kg dw | 5.9U | 5.8U | 5.7U | 6.1U | 7.1U | 7.0U |
| Toluene | ug/kg dw | 5.9U | 5.8U | 5.7U | 6.1U | 7.1U | 7.0U |
| Xylenes, Total | ug/kg dw | 5.9U | 5.8U | 11U | 12U | 14U | 14U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | | | | 560U | 64U |
| Anthracene | ug/kg dw | | | | | 83P | 5.1U |
| Benzo(a)anthracene | ug/kg dw | | | | | 140 | 5.1U |
| Benzo(a)pyrene | ug/kg dw | | | | | 200 | 5.1U |
| Benzo(b)fluoranthene | ug/kg dw | | | | | 67P | 5.1U |
| Benzo(g,h,i)perylene | ug/kg dw | | | | | 200P | 13U |
| Benzo(k)fluoranthene | ug/kg dw | | | | | 44U | 5.1U |
| Chrysene | ug/kg dw | | | | | 320 | 5.1U |
| Dibenzo(a,h)anthracene | ug/kg dw | | | | | 110U | 13U |
| Fluoranthene | ug/kg dw | | | | | 350P | 13U |
| Fluorene | ug/kg dw | | | | | 110U | 13U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | | | | 110U | 13U |
| Naphthalene | ug/kg dw | | | | | 220U | 26U |
| Phenanthrene | ug/kg dw | | | | | 380 | 7.3 |
| Pyrene | ug/kg dw | | | | | 780P | 19 |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | mg/kg dw | 290U | 280U | 280U | 310U | 380U | 310 |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | 4.2U | 4.0U | 3.8U | 3.8U | 510E | 4.5 |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU T

| SAMPLE ID | | SS33300111189900S | SS33300111189900S | SS33301411189900S | SSP-1341123990GW | W3200061115990EB |
|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917852*6 | S917852*6-DL | S917852*7 | S917950*4 | S917721*9 |
| SAMPLE DATE | | 11/18/99 | 11/18/99 | 11/18/99 | 11/23/99 | 11/15/99 |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER |
| | UNITS | | | | | |
| **Volatiles by GC/MS (8260)** | | | | | | |
| Benzene | ug/kg dw | 6.5U | | 6.0U | 5.0U | 5.0U |
| Ethylbenzene | ug/kg dw | 6.5U | | 6.0U | 5.0U | 5.0U |
| Toluene | ug/kg dw | 6.5U | | 6.0U | 5.0U | 5.0U |
| Xylenes, Total | ug/kg dw | 13U | | 12U | 10U | 5.0U |
| **Polynuclear Aromatics (8310)** | | | | | | |
| Acenaphthene | ug/kg dw | 550U | | 64U | 1.0U | |
| Anthracene | ug/kg dw | | 100 | 5.1U | 0.20U | |
| Benzo(a)anthracene | ug/kg dw | | 160 | 5.1U | 0.20U | |
| Benzo(a)pyrene | ug/kg dw | 190P | | 5.1U | 0.20U | |
| Benzo(b)fluoranthene | ug/kg dw | 100P | | 5.1U | 0.20U | |
| Benzo(g,h,i)perylene | ug/kg dw | | 280 | 13U | 0.50U | |
| Benzo(k)fluoranthene | ug/kg dw | 44U | | 5.1U | 0.20U | |
| Chrysene | ug/kg dw | | 380 | 5.1U | 0.20U | |
| Dibenzo(a,h)anthracene | ug/kg dw | 110U | | 13U | 0.20U | |
| Fluoranthene | ug/kg dw | 240P | | 13U | 0.50U | |
| Fluorene | ug/kg dw | 110U | | 13U | 0.50U | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 110U | | 13U | 0.20U | |
| Naphthalene | ug/kg dw | 220U | | 26U | 1.0U | |
| Phenanthrene | ug/kg dw | | 620 | 5.1U | 0.20U | |
| Pyrene | ug/kg dw | 270P | | 13U | 0.50U | |
| **Gasoline Range Organics (8015M)** | | | | | | |
| Hydrocarbons as GRO | mg/kg dw | 370E | 340D | 4.7 | 0.056 | 50U |
| **Diesel Range Organics (8015)** | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | 360U | | 270U | 0.61 | 0.10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS35800111089900S | SS35800411089900S | SS35801211089900S | SS35900411119900S | SS35901211119900S | SS36000411119900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917545*1 | S917545*2 | S917545*3 | S917660*4 | S917660*5 | S917660*1 |
| SAMPLE DATE | | 11/08/99 | 11/08/99 | 11/08/99 | 11/11/99 | 11/11/99 | 11/11/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | | | | | 330U |
| Acetone | ug/kg dw | | | | | | 82U |
| Benzene | ug/kg dw | | | | | | 8.2U |
| Bromodichloromethane | ug/kg dw | | | | | | 8.2U |
| Bromomethane (Methyl bromide) | ug/kg dw | | | | | | 16U |
| Carbon disulfide | ug/kg dw | | | | | | 8.2U |
| Chlorobenzene | ug/kg dw | | | | | | 8.2U |
| Dibromochloromethane | ug/kg dw | | | | | | 8.2U |
| Chloroethane | ug/kg dw | | | | | | 16U |
| Chloromethane (Methyl chloride) | ug/kg dw | | | | | | 16U |
| Chloroform | ug/kg dw | | | | | | 8.2U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | | | | | 8.2U |
| Chloroprene | ug/kg dw | | | | | | 8.2U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | | | | | 16U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | | | | | 8.2U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | | | | | 8.2U |
| Dichlorodifluoromethane | ug/kg dw | | | | | | 8.2U |
| 1,1-Dichloroethane | ug/kg dw | | | | | | 8.2U |
| 1,2-Dichloroethane | ug/kg dw | | | | | | 8.2U |
| trans-1,2-Dichloroethene | ug/kg dw | | | | | | 8.2U |
| 1,1-Dichloroethylene | ug/kg dw | | | | | | 8.2U |
| Methylene chloride (Dichloromethane) | ug/kg dw | | | | | | 8.2U |
| 1,2-Dichloropropane | ug/kg dw | | | | | | 8.2U |
| cis-1,3-Dichloropropene | ug/kg dw | | | | | | 8.2U |
| trans-1,3-Dichloropropene | ug/kg dw | | | | | | 8.2U |
| Ethylbenzene | ug/kg dw | | | | | | 8.2U |
| Methyl ethyl ketone | ug/kg dw | | | | | | 41U |
| Iodomethane (Methyl iodide) | ug/kg dw | | | | | | 8.2U |
| Methacrylonitrile | ug/kg dw | | | | | | 160U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | | | | | 41U |
| Pentachloroethane | ug/kg dw | | | | | | 41U |
| Styrene | ug/kg dw | | | | | | 8.2U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | | | | | 8.2U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | | | | | 8.2U |
| Tetrachloroethene | ug/kg dw | | | | | | 8.2U |
| Carbon tetrachloride | ug/kg dw | | | | | | 8.2U |
| Toluene | ug/kg dw | | | | | | 8.2U |
| Bromoform | ug/kg dw | | | | | | 8.2U |
| 1,1,2-Trichloroethane | ug/kg dw | | | | | | 8.2U |
| 1,1,1-Trichloroethane | ug/kg dw | | | | | | 8.2U |
| Trichloroethene | ug/kg dw | | | | | | 8.2U |
| Trichlorofluoromethane | ug/kg dw | | | | | | 8.2U |
| 1,2,3-Trichloropropane | ug/kg dw | | | | | | 16U |
| Vinyl acetate | ug/kg dw | | | | | | 05/02/2000 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS358001110899 00S | SS358004110899 00S | SS358012110899 00S | SS359004111199 00S | SS359012111199 00S | SS360004111199 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917545*1 | S917545*2 | S917545*3 | S917660*4 | S917660*5 | S917660*1 |
| SAMPLE DATE | | 11/08/99 | 11/08/99 | 11/08/99 | 11/11/99 | 11/11/99 | 11/11/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | | | | | 16U |
| Xylenes, Total | ug/kg dw | | | | | | 16U |
| 2-Hexanone | ug/kg dw | | | | | | 41U |
| Propionitrile | ug/kg dw | | | | | | 160U |
| Methyl methacrylate | ug/kg dw | | | | | | 8.2U |
| Acrolein (Propenal) | ug/kg dw | | | | | | 160U |
| Acrylonitrile | ug/kg dw | | | | | | 160U |
| Ethyl methacrylate | ug/kg dw | | | | | | 8.2U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | | | | | 330U |
| Dibromomethane | ug/kg dw | | | | | | 8.2U |
| cis-1,2-Dichloroethene | ug/kg dw | | | | | | 8.2U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | | | | | 550U |
| 2-Acetylaminofluorene | ug/kg dw | | | | | | 550U |
| 4-Aminobiphenyl | ug/kg dw | | | | | | 550U |
| Aniline | ug/kg dw | | | | | | 550U |
| Aramite (total) | ug/kg dw | | | | | | 550U |
| Benzyl alcohol | ug/kg dw | | | | | | 550U |
| bis(2-Chloroethoxy)methane | ug/kg dw | | | | | | 550U |
| bis(2-Chloroethyl)ether | ug/kg dw | | | | | | 550U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | | | | | 550U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | | | | | 550U |
| 4-Bromophenylphenyl ether | ug/kg dw | | | | | | 550U |
| Butylbenzylphthalate | ug/kg dw | | | | | | 550U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | | | | | 1100U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | | | | | 550U |
| 2-Chloronaphthalene | ug/kg dw | | | | | | 550U |
| 2-Chlorophenol | ug/kg dw | | | | | | 550U |
| 4-Chlorophenylphenyl ether | ug/kg dw | | | | | | 550U |
| Cresol, m & p | ug/kg dw | | | | | | 550U |
| Cresol (ortho) | ug/kg dw | | | | | | 550U |
| Diallate, Total | ug/kg dw | | | | | | 550U |
| Dibenzofuran | ug/kg dw | | | | | | 550U |
| Di-n-butylphthalate | ug/kg dw | | | | | | 550U |
| 3,3'-Dichlorobenzidine | ug/kg dw | | | | | | 1100U |
| 2,4-Dichlorophenol | ug/kg dw | | | | | | 550U |
| 2,6-Dichlorophenol | ug/kg dw | | | | | | 550U |
| Diethylphthalate | ug/kg dw | | | | | | 550U |
| p-(Dimethylamino)azobenzene | ug/kg dw | | | | | | 550U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | | | | | 550U |
| 3,3'-Dimethylbenzidine | ug/kg dw | | | | | | 1100U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | | | | | 110000U |
| 2,4-Dimethylphenol | ug/kg dw | | | | | | 550U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS35800111089900S | SS35800411089900S | SS35801211089900S | SS35900411119900S | SS35901211119900S | SS36000411119900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917545*1 | S917545*2 | S917545*3 | S917660*4 | S917660*5 | S917660*1 |
| SAMPLE DATE | | 11/08/99 | 11/08/99 | 11/08/99 | 11/11/99 | 11/11/99 | 11/11/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | | | | | 550U |
| m-Dinitrobenzene | ug/kg dw | | | | | | 550U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | | | | | 2800U |
| 2,4-Dinitrophenol | ug/kg dw | | | | | | 2800U |
| 2,4-Dinitrotoluene | ug/kg dw | | | | | | 550U |
| 2,6-Dinitrotoluene | ug/kg dw | | | | | | 550U |
| Di-n-octylphthalate | ug/kg dw | | | | | | 550U |
| 1,4-Dioxane | ug/kg dw | | | | | | 550U |
| Ethyl methanesulfonate | ug/kg dw | | | | | | 550U |
| Hexachlorobenzene | ug/kg dw | | | | | | 550U |
| Hexachlorobutadiene | ug/kg dw | | | | | | 550U |
| Hexachlorocyclopentadiene | ug/kg dw | | | | | | 550U |
| Hexachloroethane | ug/kg dw | | | | | | 550U |
| Hexachlorophene | ug/kg dw | | | | | | 33000U |
| Hexachloropropene | ug/kg dw | | | | | | 550U |
| Isophorone | ug/kg dw | | | | | | 550U |
| Isosafrole | ug/kg dw | | | | | | 550U |
| Methapyrilene | ug/kg dw | | | | | | 11000U |
| 3-Methylcholanthrene | ug/kg dw | | | | | | 550U |
| Methyl methanesulfonate | ug/kg dw | | | | | | 550U |
| 2-Methylnaphthalene | ug/kg dw | | | | | | 550U |
| 1,4-Naphthoquinone | ug/kg dw | | | | | | 550U |
| 1-Naphthylamine | ug/kg dw | | | | | | 550U |
| 2-Naphthylamine | ug/kg dw | | | | | | 550U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | | | | | 2800U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | | | | | 2800U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | | | | | 2800U |
| Nitrobenzene | ug/kg dw | | | | | | 550U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | | | | | 550U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | | | | | 2800U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | | | | | 5500U |
| N-Nitrosodi-n-butylamine | ug/kg dw | | | | | | 550U |
| N-Nitrosodiethylamine | ug/kg dw | | | | | | 550U |
| N-Nitrosodimethylamine | ug/kg dw | | | | | | 550U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | | | | | 550U |
| n-Nitrosodi-n-propylamine | ug/kg dw | | | | | | 550U |
| N-Nitrosomethylethylamine | ug/kg dw | | | | | | 550U |
| N-Nitrosomorpholine | ug/kg dw | | | | | | 550U |
| N-Nitrosopiperidine | ug/kg dw | | | | | | 550U |
| N-Nitrosopyrrolidine | ug/kg dw | | | | | | 550U |
| 5-Nitro-o-toluidine | ug/kg dw | | | | | | 550U |
| Pentachlorobenzene | ug/kg dw | | | | | | 2800U |
| Pentachlorophenol | ug/kg dw | | | | | | 550U |
| Phenacetin | ug/kg dw | | | | | | 05/02/2000 |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS35800111089900S | SS35800411089900S | SS35801211089900S | SS35900411119900S | SS35901211119900S | SS36000411119900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917545*1 | S917545*2 | S917545*3 | S917660*4 | S917660*5 | S917660*1 |
| SAMPLE DATE | | 11/08/99 | 11/08/99 | 11/08/99 | 11/11/99 | 11/11/99 | 11/11/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | | | | | 550U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | | | | | 2800U |
| 2-Picoline | ug/kg dw | | | | | | 550U |
| Pronamide | ug/kg dw | | | | | | 550U |
| Pyridine | ug/kg dw | | | | | | 550U |
| Safrole | ug/kg dw | | | | | | 550U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | | | | | 550U |
| o-Toluidine | ug/kg dw | | | | | | 550U |
| 1,2,4-Trichlorobenzene | ug/kg dw | | | | | | 550U |
| 2,4,5-Trichlorophenol | ug/kg dw | | | | | | 550U |
| 2,4,6-Trichlorophenol | ug/kg dw | | | | | | 550U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | | | | | 550U |
| 1,3,5-Trinitrobenzene | ug/kg dw | | | | | | 550U |
| Famphur | ug/kg dw | | | | | | 550U |
| Dimethoate | ug/kg dw | | | | | | 550U |
| Quinoline | ug/kg dw | | | | | | 1100U |
| Benzenethiol | ug/kg dw | | | | | | 1100U |
| Kepone | ug/kg dw | | | | | | 550U |
| 1-Methylnaphthalene | ug/kg dw | | | | | | 550U |
| Pentachloronitrobenzene | ug/kg dw | | | | | | 550U |
| 1,2-Dichlorobenzene | ug/kg dw | | | | | | 550U |
| 1,3-Dichlorobenzene | ug/kg dw | | | | | | 550U |
| 1,4-Dichlorobenzene | ug/kg dw | | | | | | 550U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | | | | | 550U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | | | | | 1100P |
| Acenaphthylene | ug/kg dw | | | | | | 33U |
| Anthracene | ug/kg dw | | | | | | 6.7U |
| Benzo(a)anthracene | ug/kg dw | | | | | | 6.7U |
| Benzo(a)pyrene | ug/kg dw | | | | | | 6.7U |
| Benzo(b)fluoranthene | ug/kg dw | | | | | | 6.7U |
| Benzo(g,h,i)perylene | ug/kg dw | | | | | | 17U |
| Benzo(k)fluoranthene | ug/kg dw | | | | | | 6.7U |
| Chrysene | ug/kg dw | | | | | | 6.7U |
| Dibenzo(a,h)anthracene | ug/kg dw | | | | | | 17U |
| Fluoranthene | ug/kg dw | | | | | | 17U |
| Fluorene | ug/kg dw | | | | | | 17U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | | | | | 17U |
| Naphthalene | ug/kg dw | | | | | | 33U |
| Phenanthrene | ug/kg dw | | | | | | 6.7U |
| Pyrene | ug/kg dw | | | | | | 17U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS358001110899 00S | SS358004110899 00S | SS358012110899 00S | SS359004111199 00S | SS359012111199 00S | SS360004111199 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917545*1 | S917545*2 | S917545*3 | S917660*4 | S917660*5 | S917660*1 |
| SAMPLE DATE | | 11/08/99 | 11/08/99 | 11/08/99 | 11/11/99 | 11/11/99 | 11/11/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 4.2N | 26UN | 2.4UN | 29 | 12U | 32 |
| Arsenic | mg/kg dw | 6.2 | 8.2U | 2.3 | 11 | 3.3 | 4.8 |
| Barium | mg/kg dw | 190 | 560 | 120 | 160E | 340E | 320E |
| Beryllium | mg/kg dw | 0.64 | 0.52 | 0.58 | 0.48E | 0.57E | 0.92E |
| Cadmium | mg/kg dw | 0.71 | 1.1 | 0.65U | 4.8 | 0.70U | 3.7 |
| Chromium | mg/kg dw | 1200 | 13000 | 23 | 860 | 3100 | 9100 |
| Cobalt | mg/kg dw | | | | | | 12E |
| Copper | mg/kg dw | | | | | | 61 |
| Nickel | mg/kg dw | | | | | | 29E |
| Lead | mg/kg dw | 58 | 770 | 11 | 160 | 130 | 190 |
| Selenium | mg/kg dw | 1.2U | 26U | 1.3U | 1.1U | 1.4U | 4.3 |
| Silver | mg/kg dw | | | | | | 1.7U |
| Tin | mg/kg dw | | | | | | 8.3U |
| Thallium | mg/kg dw | | | | | | 8.3U |
| Vanadium | mg/kg dw | 33 | 31 | 29 | 28 | 37 | 40 |
| Zinc | mg/kg dw | 120 | 470 | 57 | 380 | 160 | 270 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.18 | 0.34 | 0.031U | 0.12 | 6.9 | 0.88 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | | | | | 2 |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | | | | | | 42U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 7.17 | 7.47 | 7.63 | 7.51 | 7.52 | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 17000 | 25000 | 3900 | 9700 | 54000 | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS360004111199 00S | SS360012111199 00S | SS360012111199 00S | SS360012111199 00D | SS360012111199 00D | SS361004111299 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*1-RE | S917660*2 | S917660*2-RE | S917660*3 | S917660*3-RE | S917697*9 |
| SAMPLE DATE | | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | 320U | | 270U | | |
| Acetone | ug/kg dw | | 79U | | 69U | | |
| Benzene | ug/kg dw | | 7.9U | | 6.9U | | |
| Bromodichloromethane | ug/kg dw | | 7.9U | | 6.9U | | |
| Bromomethane (Methyl bromide) | ug/kg dw | | 16U | | 14U | | |
| Carbon disulfide | ug/kg dw | | 7.9U | | 6.9U | | |
| Chlorobenzene | ug/kg dw | | 7.9U | | 6.9U | | |
| Dibromochloromethane | ug/kg dw | | 7.9U | | 6.9U | | |
| Chloroethane | ug/kg dw | | 16U | | 14U | | |
| Chloromethane (Methyl chloride) | ug/kg dw | | 16U | | 14U | | |
| Chloroform | ug/kg dw | | 7.9U | | 6.9U | | |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | 7.9U | | 6.9U | | |
| Chloroprene | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | 16U | | 14U | | |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | 7.9U | | 6.9U | | |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | 7.9U | | 6.9U | | |
| Dichlorodifluoromethane | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1-Dichloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,2-Dichloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| trans-1,2-Dichloroethene | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1-Dichloroethylene | ug/kg dw | | 7.9U | | 6.9U | | |
| Methylene chloride (Dichloromethane) | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,2-Dichloropropane | ug/kg dw | | 7.9U | | 6.9U | | |
| cis-1,3-Dichloropropene | ug/kg dw | | 7.9U | | 6.9U | | |
| trans-1,3-Dichloropropene | ug/kg dw | | 7.9U | | 6.9U | | |
| Ethylbenzene | ug/kg dw | | 7.9U | | 6.9U | | |
| Methyl ethyl ketone | ug/kg dw | | 39U | | 34U | | |
| Iodomethane (Methyl iodide) | ug/kg dw | | 7.9U | | 6.9U | | |
| Methacrylonitrile | ug/kg dw | | 160U | | 140U | | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | 39U | | 34U | | |
| Pentachloroethane | ug/kg dw | | 39U | | 34U | | |
| Styrene | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| Tetrachloroethene | ug/kg dw | | 7.9U | | 6.9U | | |
| Carbon tetrachloride | ug/kg dw | | 7.9U | | 6.9U | | |
| Toluene | ug/kg dw | | 7.9U | | 6.9U | | |
| Bromoform | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1,2-Trichloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,1,1-Trichloroethane | ug/kg dw | | 7.9U | | 6.9U | | |
| Trichloroethene | ug/kg dw | | 7.9U | | 6.9U | | |
| Trichlorofluoromethane | ug/kg dw | | 7.9U | | 6.9U | | |
| 1,2,3-Trichloropropane | ug/kg dw | | 7.9U | | 6.9U | | |
| Vinyl acetate | ug/kg dw | | 16U | | 14U | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36000411119900S | SS36001211119900S | SS36001211119900S | SS36001211119900D | SS36001211119900D | SS36100411129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*1-RE | S917660*2 | S917660*2-RE | S917660*3 | S917660*3-RE | S917697*9 |
| SAMPLE DATE | | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | 16U | | 14U | | |
| Xylenes, Total | ug/kg dw | | 16U | | 14U | | |
| 2-Hexanone | ug/kg dw | | 39U | | 34U | | |
| Propionitrile | ug/kg dw | | 160U | | 140U | | |
| Methyl methacrylate | ug/kg dw | | 7.9U | | 6.9U | | |
| Acrolein (Propenal) | ug/kg dw | | 160U | | 140U | | |
| Acrylonitrile | ug/kg dw | | 160U | | 140U | | |
| Ethyl methacrylate | ug/kg dw | | 7.9U | | 6.9U | | |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | 320U | | 270U | | |
| Dibromomethane | ug/kg dw | | 7.9U | | 6.9U | | |
| cis-1,2-Dichloroethene | ug/kg dw | | 7.9U | | 6.9U | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | 480U | | 470U | | |
| 2-Acetylaminofluorene | ug/kg dw | | 480U | | 470U | | |
| 4-Aminobiphenyl | ug/kg dw | | 480U | | 470U | | |
| Aniline | ug/kg dw | | 480U | | 470U | | |
| Aramite (total) | ug/kg dw | | 480U | | 470U | | |
| Benzyl alcohol | ug/kg dw | | 480U | | 470U | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | | 480U | | 470U | | |
| bis(2-Chloroethyl)ether | ug/kg dw | | 480U | | 470U | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | 480U | | 470U | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | 480U | | 470U | | |
| 4-Bromophenylphenyl ether | ug/kg dw | | 480U | | 470U | | |
| Butylbenzylphthalate | ug/kg dw | | 480U | | 470U | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | 950U | | 940U | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | 480U | | 470U | | |
| 2-Chloronaphthalene | ug/kg dw | | 480U | | 470U | | |
| 2-Chlorophenol | ug/kg dw | | 480U | | 470U | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | | 480U | | 470U | | |
| Cresol, m & p | ug/kg dw | | 480U | | 470U | | |
| Cresol (ortho) | ug/kg dw | | 480U | | 470U | | |
| Diallate, Total | ug/kg dw | | 480U | | 470U | | |
| Dibenzofuran | ug/kg dw | | 480U | | 470U | | |
| Di-n-butylphthalate | ug/kg dw | | 480U | | 470U | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | | 950U | | 940U | | |
| 2,4-Dichlorophenol | ug/kg dw | | 480U | | 470U | | |
| 2,6-Dichlorophenol | ug/kg dw | | 480U | | 470U | | |
| Diethylphthalate | ug/kg dw | | 480U | | 470U | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | | 480U | | 470U | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | 480U | | 470U | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | | 950U | | 940U | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | 96000U | | 96000U | | |
| 2,4-Dimethylphenol | ug/kg dw | | 480U | | 470U | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36000411119900S | SS36001211119900S | SS36001211119900S | SS36001211119900D | SS36001211119900D | SS36100411129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*1-RE | S917660*2 | S917660*2-RE | S917660*3 | S917660*3-RE | S917697*9 |
| SAMPLE DATE | | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | 480U | | 470U | | |
| m-Dinitrobenzene | ug/kg dw | | 480U | | 470U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | 2400U | | 2400U | | |
| 2,4-Dinitrophenol | ug/kg dw | | 2400U | | 2400U | | |
| 2,4-Dinitrotoluene | ug/kg dw | | 480U | | 470U | | |
| 2,6-Dinitrotoluene | ug/kg dw | | 480U | | 470U | | |
| Di-n-octylphthalate | ug/kg dw | | 480U | | 470U | | |
| 1,4-Dioxane | ug/kg dw | | 480U | | 470U | | |
| Ethyl methanesulfonate | ug/kg dw | | 480U | | 470U | | |
| Hexachlorobenzene | ug/kg dw | | 480U | | 470U | | |
| Hexachlorobutadiene | ug/kg dw | | 480U | | 470U | | |
| Hexachlorocyclopentadiene | ug/kg dw | | 480U | | 470U | | |
| Hexachloroethane | ug/kg dw | | 480U | | 470U | | |
| Hexachlorophene | ug/kg dw | | 29000U | | 28000U | | |
| Hexachloropropene | ug/kg dw | | 480U | | 470U | | |
| Isophorone | ug/kg dw | | 480U | | 470U | | |
| Isosafrole | ug/kg dw | | 480U | | 470U | | |
| Methapyrilene | ug/kg dw | | 9500U | | 9400U | | |
| 3-Methylcholanthrene | ug/kg dw | | 480U | | 470U | | |
| Methyl methanesulfonate | ug/kg dw | | 480U | | 470U | | |
| 2-Methylnaphthalene | ug/kg dw | | 480U | | 470U | | |
| 1,4-Naphthoquinone | ug/kg dw | | 480U | | 470U | | |
| 1-Naphthylamine | ug/kg dw | | 480U | | 470U | | |
| 2-Naphthylamine | ug/kg dw | | 480U | | 470U | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | 2400U | | 2400U | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | 2400U | | 2400U | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | 2400U | | 2400U | | |
| Nitrobenzene | ug/kg dw | | 480U | | 470U | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | 480U | | 470U | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | 2400U | | 2400U | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | 4800U | | 4700U | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosodiethylamine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosodimethylamine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | 480U | | 470U | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosomethylethylamine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosomorpholine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosopiperidine | ug/kg dw | | 480U | | 470U | | |
| N-Nitrosopyrrolidine | ug/kg dw | | 480U | | 470U | | |
| 5-Nitro-o-toluidine | ug/kg dw | | 480U | | 470U | | |
| Pentachlorobenzene | ug/kg dw | | 480U | | 470U | | |
| Pentachlorophenol | ug/kg dw | | 2400U | | 2400U | | |
| Phenacetin | ug/kg dw | | 480U | | 470U | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36000411119900S | SS36001211119900S | SS36001211119900S | SS36001211119900D | SS36001211119900D | SS36100411129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*1-RE | S917660*2 | S917660*2-RE | S917660*3 | S917660*3-RE | S917697*9 |
| SAMPLE DATE | | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | 480U | | 470U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | 2400U | | 2400U | | |
| 2-Picoline | ug/kg dw | | 480U | | 470U | | |
| Pronamide | ug/kg dw | | 480U | | 470U | | |
| Pyridine | ug/kg dw | | 480U | | 470U | | |
| Safrole | ug/kg dw | | 480U | | 470U | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | 480U | | 470U | | |
| o-Toluidine | ug/kg dw | | 480U | | 470U | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | | 480U | | 470U | | |
| 2,4,5-Trichlorophenol | ug/kg dw | | 480U | | 470U | | |
| 2,4,6-Trichlorophenol | ug/kg dw | | 480U | | 470U | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | 480U | | 470U | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | | 480U | | 470U | | |
| Famphur | ug/kg dw | | 480U | | 470U | | |
| Dimethoate | ug/kg dw | | 480U | | 470U | | |
| Quinoline | ug/kg dw | | 950U | | 940U | | |
| Benzenethiol | ug/kg dw | | 950U | | 940U | | |
| Kepone | ug/kg dw | | 480U | | 470U | | |
| 1-Methylnaphthalene | ug/kg dw | | 480U | | 470U | | |
| Pentachloronitrobenzene | ug/kg dw | | 480U | | 470U | | |
| 1,2-Dichlorobenzene | ug/kg dw | | 480U | | 470U | | |
| 1,3-Dichlorobenzene | ug/kg dw | | 480U | | 470U | | |
| 1,4-Dichlorobenzene | ug/kg dw | | 480U | | 470U | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | 480U | | 470U | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | 72U | | 71U | | |
| Acenaphthylene | ug/kg dw | | 29U | | 28U | | |
| Anthracene | ug/kg dw | | 5.8U | | 5.7U | | |
| Benzo(a)anthracene | ug/kg dw | | 5.8U | | 5.7U | | |
| Benzo(a)pyrene | ug/kg dw | | 5.8U | | 5.7U | | |
| Benzo(b)fluoranthene | ug/kg dw | | 5.8U | | 5.7U | | |
| Benzo(g,h,i)perylene | ug/kg dw | | 14U | | 14U | | |
| Benzo(k)fluoranthene | ug/kg dw | | 5.8U | | 5.7U | | |
| Chrysene | ug/kg dw | | 5.8U | | 5.7U | | |
| Dibenzo(a,h)anthracene | ug/kg dw | | 14U | | 14U | | |
| Fluoranthene | ug/kg dw | | 14U | | 14U | | |
| Fluorene | ug/kg dw | | 14U | | 14U | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | 14U | | 14U | | |
| Naphthalene | ug/kg dw | | 29U | | 28U | | |
| Phenanthrene | ug/kg dw | | 5.8U | | 5.7U | | |
| Pyrene | ug/kg dw | | 14U | | 14U | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS360004111119900S | SS360012111119900S | SS360012111119900S | SS360012111119900D | SS360012111119900D | SS361004111129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*1-RE | S917660*2 | S917660*2-RE | S917660*3 | S917660*3-RE | S917697*9 |
| SAMPLE DATE | | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/11/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | | 5.3U | | 5.2U | | 4.8U |
| Arsenic | mg/kg dw | | 6.7 | | 9 | | 6.8 |
| Barium | mg/kg dw | | 450E | | 200E | | 220E |
| Beryllium | mg/kg dw | | 1.0E | | 1.1E | | 0.93E |
| Cadmium | mg/kg dw | | 0.69U | | 0.68U | | 0.69U |
| Chromium | mg/kg dw | | 30 | | 51 | | 580 |
| Cobalt | mg/kg dw | | 9.2E | | 9.6E | | |
| Copper | mg/kg dw | | 24 | | 24 | | |
| Nickel | mg/kg dw | | 24E | | 24E | | |
| Lead | mg/kg dw | | 15 | | 16 | | 35 |
| Selenium | mg/kg dw | | 1.4U | | 1.4U | | 1.4U |
| Silver | mg/kg dw | | 1.4U | | 1.4U | | |
| Tin | mg/kg dw | | 6.9U | | 6.8U | | |
| Thallium | mg/kg dw | | 1.4U | | 1.4U | | |
| Vanadium | mg/kg dw | | 42 | | 53 | | 47 |
| Zinc | mg/kg dw | | 76 | | 78 | | 100 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | | 0.035U | | 0.046 | | 0.069 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | 1.4U | | 1.4U | | |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 42U | 36U | 36U | 36 | 36U | |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36101211129900S | SS36200411129900S | SS36201211129900S | SS36300111129900S | SS36300411129900S | SS36301211129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*10 | S917697*5 | S917697*6 | S917697*12 | S917697*7 | S917697*8 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | | | | | |
| Acetone | ug/kg dw | | | | | | |
| Benzene | ug/kg dw | | | | | | |
| Bromodichloromethane | ug/kg dw | | | | | | |
| Bromomethane (Methyl bromide) | ug/kg dw | | | | | | |
| Carbon disulfide | ug/kg dw | | | | | | |
| Chlorobenzene | ug/kg dw | | | | | | |
| Dibromochloromethane | ug/kg dw | | | | | | |
| Chloroethane | ug/kg dw | | | | | | |
| Chloromethane (Methyl chloride) | ug/kg dw | | | | | | |
| Chloroform | ug/kg dw | | | | | | |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | | | | | |
| Chloroprene | ug/kg dw | | | | | | |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | | | | | |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | | | | | |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | | | | | |
| Dichlorodifluoromethane | ug/kg dw | | | | | | |
| 1,1-Dichloroethane | ug/kg dw | | | | | | |
| 1,2-Dichloroethane | ug/kg dw | | | | | | |
| trans-1,2-Dichloroethene | ug/kg dw | | | | | | |
| 1,1-Dichloroethylene | ug/kg dw | | | | | | |
| Methylene chloride (Dichloromethane) | ug/kg dw | | | | | | |
| 1,2-Dichloropropane | ug/kg dw | | | | | | |
| cis-1,3-Dichloropropene | ug/kg dw | | | | | | |
| trans-1,3-Dichloropropene | ug/kg dw | | | | | | |
| Ethylbenzene | ug/kg dw | | | | | | |
| Methyl ethyl ketone | ug/kg dw | | | | | | |
| Iodomethane (Methyl iodide) | ug/kg dw | | | | | | |
| Methacrylonitrile | ug/kg dw | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | | | | | |
| Pentachloroethane | ug/kg dw | | | | | | |
| Styrene | ug/kg dw | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | | | | | |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | | | | | |
| Tetrachloroethene | ug/kg dw | | | | | | |
| Carbon tetrachloride | ug/kg dw | | | | | | |
| Toluene | ug/kg dw | | | | | | |
| Bromoform | ug/kg dw | | | | | | |
| 1,1,2-Trichloroethane | ug/kg dw | | | | | | |
| 1,1,1-Trichloroethane | ug/kg dw | | | | | | |
| Trichloroethene | ug/kg dw | | | | | | |
| Trichlorofluoromethane | ug/kg dw | | | | | | |
| 1,2,3-Trichloropropane | ug/kg dw | | | | | | |
| Vinyl acetate | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS361012111129900S | SS362004111129900S | SS362012111129900S | SS363001111129900S | SS363004111129900S | SS363012111129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*10 | S917697*5 | S917697*6 | S917697*12 | S917697*7 | S917697*8 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | | | | | |
| Xylenes, Total | ug/kg dw | | | | | | |
| 2-Hexanone | ug/kg dw | | | | | | |
| Propionitrile | ug/kg dw | | | | | | |
| Methyl methacrylate | ug/kg dw | | | | | | |
| Acrolein (Propenal) | ug/kg dw | | | | | | |
| Acrylonitrile | ug/kg dw | | | | | | |
| Ethyl methacrylate | ug/kg dw | | | | | | |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | | | | | |
| Dibromomethane | ug/kg dw | | | | | | |
| cis-1,2-Dichloroethene | ug/kg dw | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | | | | | |
| 2-Acetylaminofluorene | ug/kg dw | | | | | | |
| 4-Aminobiphenyl | ug/kg dw | | | | | | |
| Aniline | ug/kg dw | | | | | | |
| Aramite (total) | ug/kg dw | | | | | | |
| Benzyl alcohol | ug/kg dw | | | | | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | | | | | | |
| bis(2-Chloroethyl)ether | ug/kg dw | | | | | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | | | | | |
| 4-Bromophenylphenyl ether | ug/kg dw | | | | | | |
| Butylbenzylphthalate | ug/kg dw | | | | | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | | | | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | | | | | |
| 2-Chloronaphthalene | ug/kg dw | | | | | | |
| 2-Chlorophenol | ug/kg dw | | | | | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | | | | | | |
| Cresol, m & p | ug/kg dw | | | | | | |
| Cresol (ortho) | ug/kg dw | | | | | | |
| Diallate, Total | ug/kg dw | | | | | | |
| Dibenzofuran | ug/kg dw | | | | | | |
| Di-n-butylphthalate | ug/kg dw | | | | | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | | | | | | |
| 2,4-Dichlorophenol | ug/kg dw | | | | | | |
| 2,6-Dichlorophenol | ug/kg dw | | | | | | |
| Diethylphthalate | ug/kg dw | | | | | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | | | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | | | | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | | | | | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | | | | | |
| 2,4-Dimethylphenol | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS361012111129900S | SS362004111129900S | SS362012111129900S | SS363001111129900S | SS363004111129900S | SS363012111129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*10 | S917697*5 | S917697*6 | S917697*12 | S917697*7 | S917697*8 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | | | | | |
| m-Dinitrobenzene | ug/kg dw | | | | | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | | | | | |
| 2,4-Dinitrophenol | ug/kg dw | | | | | | |
| 2,4-Dinitrotoluene | ug/kg dw | | | | | | |
| 2,6-Dinitrotoluene | ug/kg dw | | | | | | |
| Di-n-octylphthalate | ug/kg dw | | | | | | |
| 1,4-Dioxane | ug/kg dw | | | | | | |
| Ethyl methanesulfonate | ug/kg dw | | | | | | |
| Hexachlorobenzene | ug/kg dw | | | | | | |
| Hexachlorobutadiene | ug/kg dw | | | | | | |
| Hexachlorocyclopentadiene | ug/kg dw | | | | | | |
| Hexachloroethane | ug/kg dw | | | | | | |
| Hexachlorophene | ug/kg dw | | | | | | |
| Hexachloropropene | ug/kg dw | | | | | | |
| Isophorone | ug/kg dw | | | | | | |
| Isosafrole | ug/kg dw | | | | | | |
| Methapyrilene | ug/kg dw | | | | | | |
| 3-Methylcholanthrene | ug/kg dw | | | | | | |
| Methyl methanesulfonate | ug/kg dw | | | | | | |
| 2-Methylnaphthalene | ug/kg dw | | | | | | |
| 1,4-Naphthoquinone | ug/kg dw | | | | | | |
| 1-Naphthylamine | ug/kg dw | | | | | | |
| 2-Naphthylamine | ug/kg dw | | | | | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | | | | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | | | | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | | | | | |
| Nitrobenzene | ug/kg dw | | | | | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | | | | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | | | | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | | | | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | | | | | | |
| N-Nitrosodiethylamine | ug/kg dw | | | | | | |
| N-Nitrosodimethylamine | ug/kg dw | | | | | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | | | | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | | | | | | |
| N-Nitrosomethylethylamine | ug/kg dw | | | | | | |
| N-Nitrosomorpholine | ug/kg dw | | | | | | |
| N-Nitrosopiperidine | ug/kg dw | | | | | | |
| N-Nitrosopyrrolidine | ug/kg dw | | | | | | |
| 5-Nitro-o-toluidine | ug/kg dw | | | | | | |
| Pentachlorobenzene | ug/kg dw | | | | | | |
| Pentachlorophenol | ug/kg dw | | | | | | |
| Phenacetin | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36101211129900S | SS36200411129900S | SS36201211129900S | SS36300111129900S | SS36300411129900S | SS36301211129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*10 | S917697*5 | S917697*6 | S917697*12 | S917697*7 | S917697*8 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | | | | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | | | | | |
| 2-Picoline | ug/kg dw | | | | | | |
| Pronamide | ug/kg dw | | | | | | |
| Pyridine | ug/kg dw | | | | | | |
| Safrole | ug/kg dw | | | | | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | | | | | |
| o-Toluidine | ug/kg dw | | | | | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | | | | | | |
| 2,4,5-Trichlorophenol | ug/kg dw | | | | | | |
| 2,4,6-Trichlorophenol | ug/kg dw | | | | | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | | | | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | | | | | | |
| Famphur | ug/kg dw | | | | | | |
| Dimethoate | ug/kg dw | | | | | | |
| Quinoline | ug/kg dw | | | | | | |
| Benzenethiol | ug/kg dw | | | | | | |
| Kepone | ug/kg dw | | | | | | |
| 1-Methylnaphthalene | ug/kg dw | | | | | | |
| Pentachloronitrobenzene | ug/kg dw | | | | | | |
| 1,2-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,3-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,4-Dichlorobenzene | ug/kg dw | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | | | | | |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | | | | | | |
| Benzo(a)anthracene | ug/kg dw | | | | | | |
| Benzo(a)pyrene | ug/kg dw | | | | | | |
| Benzo(b)fluoranthene | ug/kg dw | | | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | | | | | | |
| Benzo(k)fluoranthene | ug/kg dw | | | | | | |
| Chrysene | ug/kg dw | | | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | | | | | | |
| Fluoranthene | ug/kg dw | | | | | | |
| Fluorene | ug/kg dw | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | | | | | |
| Naphthalene | ug/kg dw | | | | | | |
| Phenanthrene | ug/kg dw | | | | | | |
| Pyrene | ug/kg dw | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS361012111129900S | SS362004111129900S | SS362012111129900S | SS363001111129900S | SS363004111129900S | SS363012111129900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*10 | S917697*5 | S917697*6 | S917697*12 | S917697*7 | S917697*8 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | UNITS | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 5.8U | 4.9U | 5.8U | | 24U | 47 |
| Arsenic | mg/kg dw | 11 | 6.9 | 3 | | 3.8U | 2.1U |
| Barium | mg/kg dw | 230E | 160E | 240E | | 250E | 200E |
| Beryllium | mg/kg dw | 1.2E | 0.78E | 0.82E | | 0.22E | 0.55E |
| Cadmium | mg/kg dw | 0.69U | 0.63 | 0.72U | | 7.5 | 2.1 |
| Chromium | mg/kg dw | 26 | 23 | 21 | | 12000 | 6400 |
| Cobalt | mg/kg dw | | | | | | |
| Copper | mg/kg dw | | | | | | |
| Nickel | mg/kg dw | | | | | | |
| Lead | mg/kg dw | 17 | 26 | 12 | | 160 | 140 |
| Selenium | mg/kg dw | 1.4U | 1.1U | 1.4U | | 1.2U | 1.8 |
| Silver | mg/kg dw | | | | | | |
| Tin | mg/kg dw | | | | | | |
| Thallium | mg/kg dw | | | | | | |
| Vanadium | mg/kg dw | 45 | 35 | 33 | | 28 | 33 |
| Zinc | mg/kg dw | 77 | 79 | 62 | | 150 | 140 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.036 | 0.14 | 0.034U | | 0.64 | 0.71 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | | | | | |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | | | | | | |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | 7.63 | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | 8700 | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS364004110999 00S | SS364014111099 00S | SS365004111299 00S | SS365012111299 00S | SS366001111299 00S | SS366004111299 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*3 | S917621*7 | S917697*1 | S917697*2 | S917697*11 | S917697*13 |
| SAMPLE DATE | | 11/09/99 | 11/10/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 410U | 330U | | | | |
| Acetone | ug/kg dw | 100U | 150 | | | | |
| Benzene | ug/kg dw | 10U | 8.4U | | | | |
| Bromodichloromethane | ug/kg dw | 10U | 8.4U | | | | |
| Bromomethane (Methyl bromide) | ug/kg dw | 20U | 17U | | | | |
| Carbon disulfide | ug/kg dw | 10U | 8.4U | | | | |
| Chlorobenzene | ug/kg dw | 10U | 8.4U | | | | |
| Dibromochloromethane | ug/kg dw | 10U | 8.4U | | | | |
| Chloroethane | ug/kg dw | 20U | 17U | | | | |
| Chloromethane (Methyl chloride) | ug/kg dw | 20U | 17U | | | | |
| Chloroform | ug/kg dw | 10U | 8.4U | | | | |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 10U | 8.4U | | | | |
| Chloroprene | ug/kg dw | 10U | 8.4U | | | | |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 20U | 17U | | | | |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 10U | 8.4U | | | | |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 10U | 8.4U | | | | |
| Dichlorodifluoromethane | ug/kg dw | 10U | 8.4U | | | | |
| 1,1-Dichloroethane | ug/kg dw | 10U | 8.4U | | | | |
| 1,2-Dichloroethane | ug/kg dw | 10U | 8.4U | | | | |
| trans-1,2-Dichloroethene | ug/kg dw | 10U | 8.4U | | | | |
| 1,1-Dichloroethylene | ug/kg dw | 10U | 8.4U | | | | |
| Methylene chloride (Dichloromethane) | ug/kg dw | 10U | 8.4U | | | | |
| 1,2-Dichloropropane | ug/kg dw | 10U | 8.4U | | | | |
| cis-1,3-Dichloropropene | ug/kg dw | 10U | 8.4U | | | | |
| trans-1,3-Dichloropropene | ug/kg dw | 10U | 8.4U | | | | |
| Ethylbenzene | ug/kg dw | 10U | 8.4U | | | | |
| Methyl ethyl ketone | ug/kg dw | 51U | 45 | | | | |
| Iodomethane (Methyl iodide) | ug/kg dw | 10U | 8.4U | | | | |
| Methacrylonitrile | ug/kg dw | 200U | 170U | | | | |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 51U | 42U | | | | |
| Pentachloroethane | ug/kg dw | 51U | 42U | | | | |
| Styrene | ug/kg dw | 10U | 8.4U | | | | |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 10U | 8.4U | | | | |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 10U | 8.4U | | | | |
| Tetrachloroethene | ug/kg dw | 10U | 8.4U | | | | |
| Carbon tetrachloride | ug/kg dw | 10U | 8.4U | | | | |
| Toluene | ug/kg dw | 10U | 8.4U | | | | |
| Bromoform | ug/kg dw | 10U | 8.4U | | | | |
| 1,1,2-Trichloroethane | ug/kg dw | 10U | 8.4U | | | | |
| 1,1,1-Trichloroethane | ug/kg dw | 10U | 8.4U | | | | |
| Trichloroethene | ug/kg dw | 10U | 8.4U | | | | |
| Trichlorofluoromethane | ug/kg dw | 10U | 8.4U | | | | |
| 1,2,3-Trichloropropane | ug/kg dw | 10U | 8.4U | | | | |
| Vinyl acetate | ug/kg dw | 20U | 17U | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS364004110999 00S | SS364014111099 00S | SS365004111299 00S | SS365012111299 00S | SS366001111299 00S | SS366004111299 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*3 | S917621*7 | S917697*1 | S917697*2 | S917697*11 | S917697*13 |
| SAMPLE DATE | | 11/09/99 | 11/10/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 20U | 17U | | | | |
| Xylenes, Total | ug/kg dw | 20U | 17U | | | | |
| 2-Hexanone | ug/kg dw | 51U | 42U | | | | |
| Propionitrile | ug/kg dw | 200U | 170U | | | | |
| Methyl methacrylate | ug/kg dw | 10U | 8.4U | | | | |
| Acrolein (Propenal) | ug/kg dw | 200U | 170U | | | | |
| Acrylonitrile | ug/kg dw | 200U | 170U | | | | |
| Ethyl methacrylate | ug/kg dw | 10U | 8.4U | | | | |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 410U | 330U | | | | |
| Dibromomethane | ug/kg dw | 10U | 8.4U | | | | |
| cis-1,2-Dichloroethene | ug/kg dw | 10U | 8.4U | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 570U | 480U | | | | |
| 2-Acetylaminofluorene | ug/kg dw | 570U | 480U | | | | |
| 4-Aminobiphenyl | ug/kg dw | 570U | 480U | | | | |
| Aniline | ug/kg dw | 570U | 480U | | | | |
| Aramite (total) | ug/kg dw | 570U | 480U | | | | |
| Benzyl alcohol | ug/kg dw | 570U | 480U | | | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | 570U | 480U | | | | |
| bis(2-Chloroethyl)ether | ug/kg dw | 570U | 480U | | | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 570U | 480U | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 570U | 480U | | | | |
| 4-Bromophenylphenyl ether | ug/kg dw | 570U | 480U | | | | |
| Butylbenzylphthalate | ug/kg dw | 570U | 480U | | | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 1100U | 960U | | | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 570U | 480U | | | | |
| 2-Chloronaphthalene | ug/kg dw | 570U | 480U | | | | |
| 2-Chlorophenol | ug/kg dw | 570U | 480U | | | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | 570U | 480U | | | | |
| Cresol, m & p | ug/kg dw | 570U | 480U | | | | |
| Cresol (ortho) | ug/kg dw | 570U | 480U | | | | |
| Diallate, Total | ug/kg dw | 570U | 480U | | | | |
| Dibenzofuran | ug/kg dw | 570U | 480U | | | | |
| Di-n-butylphthalate | ug/kg dw | 570U | 480U | | | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | 1100U | 960U | | | | |
| 2,4-Dichlorophenol | ug/kg dw | 570U | 480U | | | | |
| 2,6-Dichlorophenol | ug/kg dw | 570U | 480U | | | | |
| Diethylphthalate | ug/kg dw | 570U | 480U | | | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | 570U | 480U | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 570U | 480U | | | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | 1100U | 960U | | | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 120000U | 98000U | | | | |
| 2,4-Dimethylphenol | ug/kg dw | 570U | 480U | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS364004110999 00S | SS364014111099 00S | SS365004111299 00S | SS365012111299 00S | SS366001111299 00S | SS366004111299 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*3 | S917621*7 | S917697*1 | S917697*2 | S917697*11 | S917697*13 |
| SAMPLE DATE | | 11/09/99 | 11/10/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 570U | 480U | | | | |
| m-Dinitrobenzene | ug/kg dw | 570U | 480U | | | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 2900U | 2500U | | | | |
| 2,4-Dinitrophenol | ug/kg dw | 2900U | 2500U | | | | |
| 2,4-Dinitrotoluene | ug/kg dw | 570U | 480U | | | | |
| 2,6-Dinitrotoluene | ug/kg dw | 570U | 480U | | | | |
| Di-n-octylphthalate | ug/kg dw | 570U | 480U | | | | |
| 1,4-Dioxane | ug/kg dw | 570U | 480U | | | | |
| Ethyl methanesulfonate | ug/kg dw | 570U | 480U | | | | |
| Hexachlorobenzene | ug/kg dw | 570U | 480U | | | | |
| Hexachlorobutadiene | ug/kg dw | 570U | 480U | | | | |
| Hexachlorocyclopentadiene | ug/kg dw | 570U | 480U | | | | |
| Hexachloroethane | ug/kg dw | 570U | 480U | | | | |
| Hexachlorophene | ug/kg dw | 34000U | 29000U | | | | |
| Hexachloropropene | ug/kg dw | 570U | 480U | | | | |
| Isophorone | ug/kg dw | 570U | 480U | | | | |
| Isosafrole | ug/kg dw | 570U | 480U | | | | |
| Methapyrilene | ug/kg dw | 11000U | 9600U | | | | |
| 3-Methylcholanthrene | ug/kg dw | 570U | 480U | | | | |
| Methyl methanesulfonate | ug/kg dw | 570U | 480U | | | | |
| 2-Methylnaphthalene | ug/kg dw | 570U | 480U | | | | |
| 1,4-Naphthoquinone | ug/kg dw | 570U | 480U | | | | |
| 1-Naphthylamine | ug/kg dw | 570U | 480U | | | | |
| 2-Naphthylamine | ug/kg dw | 570U | 480U | | | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 2900U | 2500U | | | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 2900U | 2500U | | | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 2900U | 2500U | | | | |
| Nitrobenzene | ug/kg dw | 570U | 480U | | | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 570U | 480U | | | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 2900U | 2500U | | | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 5700U | 4800U | | | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosodiethylamine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosodimethylamine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 570U | 480U | | | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosomethylethylamine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosomorpholine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosopiperidine | ug/kg dw | 570U | 480U | | | | |
| N-Nitrosopyrrolidine | ug/kg dw | 570U | 480U | | | | |
| 5-Nitro-o-toluidine | ug/kg dw | 570U | 480U | | | | |
| Pentachlorobenzene | ug/kg dw | 570U | 480U | | | | |
| Pentachlorophenol | ug/kg dw | 2900U | 2500U | | | | |
| Phenacetin | ug/kg dw | 570U | 480U | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS364004110999 00S | SS364014111099 00S | SS365004111299 00S | SS365012111299 00S | SS366001111299 00S | SS366004111299 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*3 | S917621*7 | S917697*1 | S917697*2 | S917697*11 | S917697*13 |
| SAMPLE DATE | | 11/09/99 | 11/10/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 570U | 480U | | | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2900U | 2500U | | | | |
| 2-Picoline | ug/kg dw | 570U | 480U | | | | |
| Pronamide | ug/kg dw | 570U | 480U | | | | |
| Pyridine | ug/kg dw | 570U | 480U | | | | |
| Safrole | ug/kg dw | 570U | 480U | | | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 570U | 480U | | | | |
| o-Toluidine | ug/kg dw | 570U | 480U | | | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | 570U | 480U | | | | |
| 2,4,5-Trichlorophenol | ug/kg dw | 570U | 480U | | | | |
| 2,4,6-Trichlorophenol | ug/kg dw | 570U | 480U | | | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 570U | 480U | | | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | 570U | 480U | | | | |
| Famphur | ug/kg dw | 570U | 480U | | | | |
| Dimethoate | ug/kg dw | 570U | 480U | | | | |
| Quinoline | ug/kg dw | 570U | 480U | | | | |
| Benzenethiol | ug/kg dw | 570U | 480U | | | | |
| Kepone | ug/kg dw | 570U | 480U | | | | |
| 1-Methylnaphthalene | ug/kg dw | 570U | 480U | | | | |
| Pentachloronitrobenzene | ug/kg dw | 570U | 480U | | | | |
| 1,2-Dichlorobenzene | ug/kg dw | 570U | 480U | | | | |
| 1,3-Dichlorobenzene | ug/kg dw | 570U | 480U | | | | |
| 1,4-Dichlorobenzene | ug/kg dw | 570U | 480U | | | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 570U | 480U | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 370P | 73U | | | | |
| Acenaphthylene | ug/kg dw | 34U | | | | | |
| Anthracene | ug/kg dw | 6.8U | 5.8U | | | | |
| Benzo(a)anthracene | ug/kg dw | 6.8U | 5.8U | | | | |
| Benzo(a)pyrene | ug/kg dw | 6.8U | 5.8U | | | | |
| Benzo(b)fluoranthene | ug/kg dw | 8.6 | 5.8U | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | 18P | 15U | | | | |
| Benzo(k)fluoranthene | ug/kg dw | 6.8U | 5.8U | | | | |
| Chrysene | ug/kg dw | 6.8U | 5.8U | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | 17U | 15U | | | | |
| Fluoranthene | ug/kg dw | 17U | 15U | | | | |
| Fluorene | ug/kg dw | 17U | 15U | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 17U | 15U | | | | |
| Naphthalene | ug/kg dw | 34U | 29U | | | | |
| Phenanthrene | ug/kg dw | 6.8U | 5.8U | | | | |
| Pyrene | ug/kg dw | 17U | 15U | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS364004110999 00S | SS364014111099 00S | SS365004111299 00S | SS365012111299 00S | SS366001111299 00S | SS366004111299 00S | |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*3 | S917621*7 | S917697*1 | S917697*2 | S917697*11 | S917697*13 | |
| SAMPLE DATE | | 11/09/99 | 11/10/99 | 11/12/99 | 11/12/99 | 11/12/99 | 11/12/99 | |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | |
| | **UNITS** | | | | | | | |
| **Metals (6010)** | | | | | | | | |
| Antimony | mg/kg dw | 130N | 2.7UN | 9.4 | 5.5U | | 89 | |
| Arsenic | mg/kg dw | 11U | 8.4 | 8.1 | 5.2 | | 6.5 | |
| Barium | mg/kg dw | 490 | 290 | 240E | 230E | | 400E | |
| Beryllium | mg/kg dw | 0.28 | 0.73 | 0.96E | 0.77E | | 0.90E | |
| Cadmium | mg/kg dw | 5 | 0.74U | 1.7 | 0.65U | | | 1.2 |
| Chromium | mg/kg dw | 21000 | 31 | 1900 | 22 | | 3100 | |
| Cobalt | mg/kg dw | 34U | 8.6 | | | | | |
| Copper | mg/kg dw | 69U | 23 | | | | | |
| Nickel | mg/kg dw | 140U | 23 | | | | | |
| Lead | mg/kg dw | 500 | 14 | 78 | 12 | | 83 | |
| Selenium | mg/kg dw | 34U | 1.5U | 1.5U | 1.3U | | 3.7 | |
| Silver | mg/kg dw | 34U | 1.5U | | | | | |
| Tin | mg/kg dw | 1.7U | 7.4U | | | | | |
| Thallium | mg/kg dw | 34U | 1.5U | | | | | |
| Vanadium | mg/kg dw | 55 | 44 | 44 | 34 | | 47 | |
| Zinc | mg/kg dw | 320 | 70 | 140 | 60 | | 190 | |
| **Mercury (7471)** | | | | | | | | |
| Mercury | mg/kg dw | 1.7 | 0.054 | 0.31 | 0.034U | | 1.9 | |
| **Cyanide (9010)** | | | | | | | | |
| Cyanide, Total | mg/kg dw | 3.3 | 1.5U | | | | | |
| **Sulfide** | | | | | | | | |
| Sulfide | mg/kg dw | 43U | 37U | | | | | |
| **Gasoline Range Organics (8015M)** | | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | | |
| **pH in Soil (9045)** | | | | | | | | |
| pH | units | | 8.42 | | | 7.77 | 7.82 | |
| **Organic Carbon** | | | | | | | | |
| Organic Carbon | mg/kg dw | | 6200 | | | 6700 | 18000 | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36600411129900D | SS36601211129900S | SS36700811109900S | SS36700811109900S | SS36700911109900S | SS36701111109900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*3 | S917697*4 | S917621*1 | S917621*1-DL | S917621*2 | S917621*3 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SEDIMENT | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | | | 110000U | | 270U | 280U |
| Acetone | ug/kg dw | | | 28000U | | 69U | 70U |
| Benzene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Bromodichloromethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | | | 5600U | | 14U | 14U |
| Carbon disulfide | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Chlorobenzene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Dibromochloromethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Chloroethane | ug/kg dw | | | 5600U | | 14U | 14U |
| Chloromethane (Methyl chloride) | ug/kg dw | | | 5600U | | 14U | 14U |
| Chloroform | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Chloroprene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | | | 5600U | | 14U | 14U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Dichlorodifluoromethane | ug/kg dw | | | 5600U | | 6.9U | 7.0U |
| 1,1-Dichloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,2-Dichloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| trans-1,2-Dichloroethene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,1-Dichloroethylene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,2-Dichloropropane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| cis-1,3-Dichloropropene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| trans-1,3-Dichloropropene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Ethylbenzene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Methyl ethyl ketone | ug/kg dw | | | 14000U | | 34U | 35U |
| Iodomethane (Methyl iodide) | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Methacrylonitrile | ug/kg dw | | | 56000U | | 140U | 140U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | | | 14000U | | 34U | 35U |
| Pentachloroethane | ug/kg dw | | | 14000U | | 34U | 35U |
| Styrene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Tetrachloroethene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Carbon tetrachloride | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Toluene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Bromoform | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,1,2-Trichloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,1,1-Trichloroethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Trichloroethene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Trichlorofluoromethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| 1,2,3-Trichloropropane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Vinyl acetate | ug/kg dw | | | 5600U | | 14U | 14U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36600411129900D | SS36601211129900S | SS367008111109900S | SS367008111109900S | SS367009111109900S | SS367011111109900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*3 | S917697*4 | S917621*1 | S917621*1-DL | S917621*2 | S917621*3 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SEDIMENT | SOIL | SOIL |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | | | 5600U | | 14U | 14U |
| Xylenes, Total | ug/kg dw | | | 5600U | | 14U | 14U |
| 2-Hexanone | ug/kg dw | | | 14000U | | 34U | 35U |
| Propionitrile | ug/kg dw | | | 56000U | | 140U | 140U |
| Methyl methacrylate | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Acrolein (Propenal) | ug/kg dw | | | 56000U | | 140U | 140U |
| Acrylonitrile | ug/kg dw | | | 56000U | | 140U | 140U |
| Ethyl methacrylate | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | | | 560000U | | 270U | 280U |
| Dibromomethane | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| cis-1,2-Dichloroethene | ug/kg dw | | | 2800U | | 6.9U | 7.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Acetylaminofluorene | ug/kg dw | | | 5300U | | 470U | 460U |
| 4-Aminobiphenyl | ug/kg dw | | | 5300U | | 470U | 460U |
| Aniline | ug/kg dw | | | 5300U | | 470U | 460U |
| Aramite (total) | ug/kg dw | | | 5300U | | 470U | 460U |
| Benzyl alcohol | ug/kg dw | | | 5300U | | 470U | 460U |
| bis(2-Chloroethoxy)methane | ug/kg dw | | | 5300U | | 470U | 460U |
| bis(2-Chloroethyl)ether | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | | | 5300U | | 470U | 460U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| 4-Bromophenylphenyl ether | ug/kg dw | | | 5300U | | 470U | 460U |
| Butylbenzylphthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | | | 10000U | | 940U | 930U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Chloronaphthalene | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Chlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| 4-Chlorophenylphenyl ether | ug/kg dw | | | 5300U | | 470U | 460U |
| Cresol, m & p | ug/kg dw | | | 5300U | | 470U | 460U |
| Cresol (ortho) | ug/kg dw | | | 5300U | | 470U | 460U |
| Diallate, Total | ug/kg dw | | | 5300U | | 470U | 460U |
| Dibenzofuran | ug/kg dw | | | 6400 | | 470U | 460U |
| Di-n-butylphthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| 3,3'-Dichlorobenzidine | ug/kg dw | | | 10000U | | 940U | 930U |
| 2,4-Dichlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,6-Dichlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| Diethylphthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| p-(Dimethylamino)azobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | | | 5300U | | 470U | 460U |
| 3,3'-Dimethylbenzidine | ug/kg dw | | | 10000U | | 940U | 930U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | | | 1100000U | | 95000U | 94000U |
| 2,4-Dimethylphenol | ug/kg dw | | | 5300U | | 470U | 460U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36600411129900D | SS36601211129900S | SS36700811109900S | SS36700811109900S | SS36700911109900S | SS36701111109900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*3 | S917697*4 | S917621*1 | S917621*1-DL | S917621*2 | S917621*3 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SEDIMENT | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| m-Dinitrobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 2,4-Dinitrophenol | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 2,4-Dinitrotoluene | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,6-Dinitrotoluene | ug/kg dw | | | 5300U | | 470U | 460U |
| Di-n-octylphthalate | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,4-Dioxane | ug/kg dw | | | 5300U | | 470U | 460U |
| Ethyl methanesulfonate | ug/kg dw | | | 5300U | | 470U | 460U |
| Hexachlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| Hexachlorobutadiene | ug/kg dw | | | 5300U | | 470U | 460U |
| Hexachlorocyclopentadiene | ug/kg dw | | | 5300U | | 470U | 460U |
| Hexachloroethane | ug/kg dw | | | 5300U | | 470U | 460U |
| Hexachlorophene | ug/kg dw | | | 320000U | | 28000U | 28000U |
| Hexachloropropene | ug/kg dw | | | 5300U | | 470U | 460U |
| Isophorone | ug/kg dw | | | 5300U | | 470U | 460U |
| Isosafrole | ug/kg dw | | | 5300U | | 470U | 460U |
| Methapyrilene | ug/kg dw | | | 100000U | | 9400U | 9300U |
| 3-Methylcholanthrene | ug/kg dw | | | 5300U | | 470U | 460U |
| Methyl methanesulfonate | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Methylnaphthalene | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,4-Naphthoquinone | ug/kg dw | | | 5300U | | 470U | 460U |
| 1-Naphthylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Naphthylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| Nitrobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | | | 5300U | | 470U | 460U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | | | 53000U | | 4700U | 4600U |
| N-Nitrosodi-n-butylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosodiethylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosodimethylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| n-Nitrosodi-n-propylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosomethylethylamine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosomorpholine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosopiperidine | ug/kg dw | | | 5300U | | 470U | 460U |
| N-Nitrosopyrrolidine | ug/kg dw | | | 5300U | | 470U | 460U |
| 5-Nitro-o-toluidine | ug/kg dw | | | 5300U | | 470U | 460U |
| Pentachlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| Pentachlorophenol | ug/kg dw | | | 27000U | | 2400U | 2400U |
| Phenacetin | ug/kg dw | | | 5300U | | 470U | 460U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36600411129900D | SS36601211129900S | SS36700811109900S | SS36700811109900S | SS36700911109900S | SS36701111109900S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*3 | S917697*4 | S917621*1 | S917621*1-DL | S917621*2 | S917621*3 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SEDIMENT | SOIL | SOIL |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | | | 27000U | | 2400U | 2400U |
| 2-Picoline | ug/kg dw | | | 5300U | | 470U | 460U |
| Pronamide | ug/kg dw | | | 5300U | | 470U | 460U |
| Pyridine | ug/kg dw | | | 5300U | | 470U | 460U |
| Safrole | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| o-Toluidine | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,2,4-Trichlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,4,5-Trichlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| 2,4,6-Trichlorophenol | ug/kg dw | | | 5300U | | 470U | 460U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,3,5-Trinitrobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| Famphur | ug/kg dw | | | 5300U | | 470U | 460U |
| Dimethoate | ug/kg dw | | | 5300U | | 470U | 460U |
| Quinoline | ug/kg dw | | | 5300U | | 470U | 460U |
| Benzenethiol | ug/kg dw | | | 5300U | | 470U | 460U |
| Kepone | ug/kg dw | | | 5300U | | 470U | 460U |
| 1-Methylnaphthalene | ug/kg dw | | | 38000 | | 470U | 460U |
| Pentachloronitrobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,2-Dichlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,3-Dichlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,4-Dichlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | | | 5300U | | 470U | 460U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | | | 4500P | 8400U | 71U | 70U |
| Acenaphthylene | ug/kg dw | | | | | | |
| Anthracene | ug/kg dw | | | 640P | 700DP | 5.7U | 5.6U |
| Benzo(a)anthracene | ug/kg dw | | | 770 | 730DP | 5.7U | 5.6U |
| Benzo(a)pyrene | ug/kg dw | | | 400 | 670U | 5.7U | 5.6U |
| Benzo(b)fluoranthene | ug/kg dw | | | 300P | 670U | 5.7U | 5.6U |
| Benzo(g,h,i)perylene | ug/kg dw | | | 740 | 1700U | 14U | 14U |
| Benzo(k)fluoranthene | ug/kg dw | | | 66U | 670U | 5.7U | 5.6U |
| Chrysene | ug/kg dw | | | 840P | 950DP | 5.7U | 5.6U |
| Dibenzo(a,h)anthracene | ug/kg dw | | | 280 | 1700U | 14U | 14U |
| Fluoranthene | ug/kg dw | | | 1200P | 1700U | 14U | 14U |
| Fluorene | ug/kg dw | | | 3200 | 4000D | 14U | 14U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | | | 160U | 1700U | 14U | 14U |
| Naphthalene | ug/kg dw | | | 330U | 3300U | 28U | 28U |
| Phenanthrene | ug/kg dw | | | 7700E | 8900D | 5.7U | 5.6U |
| Pyrene | ug/kg dw | | | 960P | 1700U | 14U | 14U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36600411129900D | SS36601211129900S | SS367008111099 00S | SS367008111099 00S | SS367009111099 00S | SS367011111099 00S |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917697*3 | S917697*4 | S917621*1 | S917621*1-DL | S917621*2 | S917621*3 |
| SAMPLE DATE | | 11/12/99 | 11/12/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SEDIMENT | SOIL | SOIL |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 120 | 5.3U | 150N | | 2.8UN | 2.8UN |
| Arsenic | mg/kg dw | 5.2 | 1.8 | 4.4U | | 12 | 15 |
| Barium | mg/kg dw | 280E | 110E | 560 | | 270 | 260 |
| Beryllium | mg/kg dw | 0.62E | 0.66E | 0.46 | | 1 | 1.2 |
| Cadmium | mg/kg dw | 0.94 | 0.63U | 1.6 | | 0.71U | 0.70U |
| Chromium | mg/kg dw | 2000 | 49 | 15000 | | 39 | 30 |
| Cobalt | mg/kg dw | | | 14U | | 10 | 12 |
| Copper | mg/kg dw | | | 71 | | 26 | 28 |
| Nickel | mg/kg dw | | | 56U | | 30 | 28 |
| Lead | mg/kg dw | 58 | 11 | 380 | | 17 | 18 |
| Selenium | mg/kg dw | 2.6 | 1.3U | 14U | | 1.4U | 1.4U |
| Silver | mg/kg dw | | | 14U | | 1.4U | 1.4U |
| Tin | mg/kg dw | | | 69U | | 7.1U | 7.0U |
| Thallium | mg/kg dw | | | 14U | | 1.4U | 1.4U |
| Vanadium | mg/kg dw | 31 | 19 | 46 | | 53 | 56 |
| Zinc | mg/kg dw | 120 | 57 | 350 | | 92 | 94 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.59 | 0.030U | 0.062U | | 0.036 | 0.04 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | | | 2.8U | | 1.4U | 1.4U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | | | 5400 | | 36U | 35U |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36800611109900S | SS36800611109900S | SS36800911109900S | SS36801111109900S | SS36900511099900S | SS36900511099900D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917621*4 | S917621*4-RE | S917621*5 | S917621*6 | S917577*1 | S917577*2 |
| SAMPLE DATE | | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/09/99 | 11/09/99 |
| MATRIX | | SEDIMENT | SEDIMENT | SOIL | SOIL | SEDIMENT | SEDIMENT |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 4200U | 4300U | 300U | 240U | 1600U | 1600U |
| Acetone | ug/kg dw | 3200 | 6000 | 94 | 68 | 1200 | 1100 |
| Benzene | ug/kg dw | 160 | 280 | 7.5U | 6.1U | 60 | 39U |
| Bromodichloromethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Bromomethane (Methyl bromide) | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |
| Carbon disulfide | ug/kg dw | 1200 | 250 | 9.1 | 6.1U | 240 | 480 |
| Chlorobenzene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Dibromochloromethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Chloroethane | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |
| Chloromethane (Methyl chloride) | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |
| Chloroform | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Chloroprene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Dichlorodifluoromethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1-Dichloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,2-Dichloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| trans-1,2-Dichloroethene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1-Dichloroethylene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,2-Dichloropropane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| cis-1,3-Dichloropropene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| trans-1,3-Dichloropropene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Ethylbenzene | ug/kg dw | 400 | 800 | 7.5U | 6.1U | 130 | 52 |
| Methyl ethyl ketone | ug/kg dw | 720 | 1800 | 37U | 31U | 330 | 280 |
| Iodomethane (Methyl iodide) | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Methacrylonitrile | ug/kg dw | 2100U | 2200U | 150U | 120U | 800U | 780U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 520U | 540U | 37U | 31U | 200U | 190U |
| Pentachloroethane | ug/kg dw | 520U | 540U | 37U | 31U | 200U | 190U |
| Styrene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Tetrachloroethene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Carbon tetrachloride | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Toluene | ug/kg dw | 530 | 970 | 7.5U | 6.1U | 140 | 78 |
| Bromoform | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1,2-Trichloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,1,1-Trichloroethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Trichloroethene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Trichlorofluoromethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| 1,2,3-Trichloropropane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Vinyl acetate | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS368006111099900S | SS368006111099900S | SS368009111099900S | SS368011111099900S | SS369005110999900S | SS369005110999900D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917621*4 | S917621*4-RE | S917621*5 | S917621*6 | S917577*1 | S917577*2 |
| SAMPLE DATE | | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/09/99 | 11/09/99 |
| MATRIX | | SEDIMENT | SEDIMENT | SOIL | SOIL | SEDIMENT | SEDIMENT |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 210U | 220U | 15U | 12U | 80U | 78U |
| Xylenes, Total | ug/kg dw | 1500 | 2800 | 15U | 12U | 880 | 300 |
| 2-Hexanone | ug/kg dw | 520U | 540U | 37U | 31U | 200U | 190U |
| Propionitrile | ug/kg dw | 2100U | 2200U | 150U | 120U | 800U | 780U |
| Methyl methacrylate | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Acrolein (Propenal) | ug/kg dw | 2100U | 2200U | 150U | 120U | 800U | 780U |
| Acrylonitrile | ug/kg dw | 2100U | 2200U | 150U | 120U | 800U | 780U |
| Ethyl methacrylate | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 4200U | 4300U | 300U | 240U | 1600U | 1600U |
| Dibromomethane | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| cis-1,2-Dichloroethene | ug/kg dw | 100U | 110U | 7.5U | 6.1U | 40U | 39U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Acetylaminofluorene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4-Aminobiphenyl | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Aniline | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Aramite (total) | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Benzyl alcohol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| bis(2-Chloroethyl)ether | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4-Bromophenylphenyl ether | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Butylbenzylphthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 38000U | | 860U | 850U | 14000U | 15000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Chloronaphthalene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Chlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Cresol, m & p | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Cresol (ortho) | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Diallate, Total | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Dibenzofuran | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Di-n-butylphthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 38000U | | 860U | 850U | 14000U | 15000U |
| 2,4-Dichlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,6-Dichlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Diethylphthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 38000U | | 860U | 850U | 14000U | 15000U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 3900000U | | 88000U | 86000U | 1500000U | 1600000U |
| 2,4-Dimethylphenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36800611109900S | SS36800611109900S | SS36800911109900S | SS36801111109900S | SS36900511099900S | SS36900511099900D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917621*4 | S917621*4-RE | S917621*5 | S917621*6 | S917577*1 | S917577*2 |
| SAMPLE DATE | | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/09/99 | 11/09/99 |
| MATRIX | | SEDIMENT | SEDIMENT | SOIL | SOIL | SEDIMENT | SEDIMENT |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| m-Dinitrobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 2,4-Dinitrophenol | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 2,4-Dinitrotoluene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,6-Dinitrotoluene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Di-n-octylphthalate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,4-Dioxane | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Ethyl methanesulfonate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Hexachlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Hexachlorobutadiene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Hexachlorocyclopentadiene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Hexachloroethane | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Hexachlorophene | ug/kg dw | 1200000U | | 26000U | 26000U | 440000U | 460000U |
| Hexachloropropene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Isophorone | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Isosafrole | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Methapyrilene | ug/kg dw | 380000U | | 8600U | 8500U | 140000U | 150000U |
| 3-Methylcholanthrene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Methyl methanesulfonate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Methylnaphthalene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,4-Naphthoquinone | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1-Naphthylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Naphthylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| Nitrobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 190000U | | 4300U | 4200U | 72000U | 77000U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosodiethylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosodimethylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosomethylethylamine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosomorpholine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosopiperidine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| N-Nitrosopyrrolidine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 5-Nitro-o-toluidine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Pentachlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Pentachlorophenol | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| Phenacetin | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36800611109900S | SS36800611109900S | SS36800911109900S | SS36801111109900S | SS36900511099900S | SS36900511099900D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917621*4 | S917621*4-RE | S917621*5 | S917621*6 | S917577*1 | S917577*2 |
| SAMPLE DATE | | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/09/99 | 11/09/99 |
| MATRIX | | SEDIMENT | SEDIMENT | SOIL | SOIL | SEDIMENT | SEDIMENT |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 98000U | | 2200U | 2200U | 37000U | 40000U |
| 2-Picoline | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Pronamide | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Pyridine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Safrole | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| o-Toluidine | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,4,5-Trichlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 2,4,6-Trichlorophenol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Famphur | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Dimethoate | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Quinoline | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Benzenethiol | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Kepone | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1-Methylnaphthalene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| Pentachloronitrobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,2-Dichlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,3-Dichlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,4-Dichlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 19000U | | 430U | 420U | 7200U | 7700U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 14000U | | 65U | 64U | 1500P | 12000U |
| Acenaphthylene | ug/kg dw | | | | | 920 | 5000U |
| Anthracene | ug/kg dw | 1500P | | 5.2U | 5.2U | 710 | 1500 |
| Benzo(a)anthracene | ug/kg dw | 11000 | | 5.5P | 17 | 1700P | 5100 |
| Benzo(a)pyrene | ug/kg dw | 3700 | | 6.2P | 5.3P | 1000P | 2400 |
| Benzo(b)fluoranthene | ug/kg dw | 3900P | | 7.6P | 5.2U | 850P | 1900P |
| Benzo(g,h,i)perylene | ug/kg dw | 9200 | | 13U | 13U | 3000 | 6300 |
| Benzo(k)fluoranthene | ug/kg dw | 1200U | | 5.2U | 5.2U | 140P | 1000U |
| Chrysene | ug/kg dw | 6400P | | 7.9P | 5.8P | 1400P | 3700P |
| Dibenzo(a,h)anthracene | ug/kg dw | 2900U | | 13U | 13U | 850 | 2500U |
| Fluoranthene | ug/kg dw | 5000P | | 27P | 13P | 980P | 2500U |
| Fluorene | ug/kg dw | 5800 | | 13U | 13U | 1400 | 2500U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 2900U | | 13U | 13U | 230U | 2500U |
| Naphthalene | ug/kg dw | 5800U | | 26U | 26U | 460U | 5000U |
| Phenanthrene | ug/kg dw | 14000 | | 16 | 16 | 3300 | 5600 |
| Pyrene | ug/kg dw | 15000P | | 36P | 28P | 3300P | 9600P |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS368006111099900S | SS368006111099900S | SS368009111099900S | SS368011111099900S | SS369005110999900S | SS369005110999900D |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917621*4 | S917621*4-RE | S917621*5 | S917621*6 | S917577*1 | S917577*2 |
| SAMPLE DATE | | 11/10/99 | 11/10/99 | 11/10/99 | 11/10/99 | 11/09/99 | 11/09/99 |
| MATRIX | | SEDIMENT | SEDIMENT | SOIL | SOIL | SEDIMENT | SEDIMENT |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 24N | | 2.6UN | 2.4UN | 41N | 39N |
| Arsenic | mg/kg dw | 16 | | 3.3 | 2.8 | 10 | 11 |
| Barium | mg/kg dw | 580 | | 180 | 140 | 570 | 560 |
| Beryllium | mg/kg dw | 1.4U | | 0.51 | 0.46 | 0.56U | 0.61U |
| Cadmium | mg/kg dw | 5.0U | | 0.66U | 0.65U | 2.0U | 2.2U |
| Chromium | mg/kg dw | 3100 | | 24 | 19 | 3800 | 4200 |
| Cobalt | mg/kg dw | 10U | | 9.9 | 7.8 | 8 | 8.2 |
| Copper | mg/kg dw | 100 | | 15 | 13 | 100 | 100 |
| Nickel | mg/kg dw | 49 | | 25 | 17 | 46 | 45 |
| Lead | mg/kg dw | 77 | | 9.7 | 9.5 | 130 | 130 |
| Selenium | mg/kg dw | 59 | | 1.3U | 1.3U | 50 | 51 |
| Silver | mg/kg dw | 10U | | 1.3U | 1.3U | 4.0U | 4.3U |
| Tin | mg/kg dw | 50U | | 6.6U | 6.5U | 20U | 22U |
| Thallium | mg/kg dw | 10U | | 1.3U | 1.3U | 4.0U | 4.3U |
| Vanadium | mg/kg dw | 63 | | 27 | 26 | 69 | 66 |
| Zinc | mg/kg dw | 1200 | | 57 | 51 | 810 | 800 |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 2.1 | | 0.033U | 0.032U | 1.5 | 0.87 |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 5.1 | | 1.3U | 1.3U | 4.9 | 4.3U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 7400 | | 190 | 160 | 4300 | 3300 |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | | | 8.86 | 8.87 | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | | | 5800 | 3700 | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36900811099900S | SS36901111099900S | SS37000511089900S | SS37000811089900S | SS37001111089900S | W3690021109990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*4 | S917577*5 | S917545*4 | S917545*5 | S917545*6 | S917577*6 |
| SAMPLE DATE | | 11/09/99 | 11/09/99 | 11/08/99 | 11/08/99 | 11/08/99 | 11/09/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Acetonitrile | ug/kg dw | 270U | 260U | 2300U | 310U | 260U | 200U |
| Acetone | ug/kg dw | 69U | 65U | 1600 | 78U | 65U | 50U |
| Benzene | ug/kg dw | 6.9U | 6.5U | 81 | 7.8U | 6.5U | 5.0U |
| Bromodichloromethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |
| Carbon disulfide | ug/kg dw | 6.9U | 6.5U | 74 | 7.8U | 6.5U | 5.0U |
| Chlorobenzene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Dibromochloromethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Chloroethane | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |
| Chloromethane (Methyl chloride) | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |
| Chloroform | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Chloroprene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 10U |
| Dichlorodifluoromethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1-Dichloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| trans-1,2-Dichloroethene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1-Dichloroethylene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,2-Dichloropropane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| cis-1,3-Dichloropropene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| trans-1,3-Dichloropropene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Ethylbenzene | ug/kg dw | 6.9U | 6.5U | 150 | 7.8U | 6.5U | 5.0U |
| Methyl ethyl ketone | ug/kg dw | 34U | 32U | 510 | 39U | 32U | 25U |
| Iodomethane (Methyl iodide) | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Methacrylonitrile | ug/kg dw | 140U | 130U | 1200U | 160U | 130U | 100U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 34U | 32U | 290U | 39U | 32U | 25U |
| Pentachloroethane | ug/kg dw | 34U | 32U | 290U | 39U | 32U | 25U |
| Styrene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Tetrachloroethene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Carbon tetrachloride | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Toluene | ug/kg dw | 6.9U | 6.5U | 94 | 7.8U | 6.5U | 5.0U |
| Bromoform | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1,2-Trichloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,1,1-Trichloroethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Trichloroethene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Trichlorofluoromethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| 1,2,3-Trichloropropane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Vinyl acetate | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36900811099900S | SS36901111099900S | SS37000511089900S | SS37000811089900S | SS37001111089900S | W3690021109990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*4 | S917577*5 | S917545*4 | S917545*5 | S917545*6 | S917577*6 |
| SAMPLE DATE | | 11/09/99 | 11/09/99 | 11/08/99 | 11/08/99 | 11/08/99 | 11/09/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | |
| Vinyl chloride | ug/kg dw | 14U | 13U | 120U | 16U | 13U | 10U |
| Xylenes, Total | ug/kg dw | 14U | 13U | 460 | 16U | 13U | 10U |
| 2-Hexanone | ug/kg dw | 34U | 32U | 290U | 39U | 32U | 25U |
| Propionitrile | ug/kg dw | 140U | 130U | 1200U | 160U | 130U | 100U |
| Methyl methacrylate | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Acrolein (Propenal) | ug/kg dw | 140U | 130U | 1200U | 160U | 130U | 100U |
| Acrylonitrile | ug/kg dw | 140U | 130U | 1200U | 160U | 130U | 100U |
| Ethyl methacrylate | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 270U | 260U | 2300U | 310U | 260U | 200U |
| Dibromomethane | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| cis-1,2-Dichloroethene | ug/kg dw | 6.9U | 6.5U | 58U | 7.8U | 6.5U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Acetophenone | ug/kg dw | 470U | 440U | 12000U*F65 | 530U | 440U | 10U |
| 2-Acetylaminofluorene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 4-Aminobiphenyl | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Aniline | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 20U |
| Aramite (total) | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Benzyl alcohol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| bis(2-Chloroethoxy)methane | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| bis(2-Chloroethyl)ether | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 1000 | 440U | 12000U | 530U | 440U | 10U |
| 4-Bromophenylphenyl ether | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Butylbenzylphthalate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 940U | 880U | 23000U | 1100U | 890U | 20U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Chloronaphthalene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Chlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 4-Chlorophenylphenyl ether | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Cresol, m & p | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Cresol (ortho) | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Diallate, Total | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Dibenzofuran | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Di-n-butylphthalate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 3,3'-Dichlorobenzidine | ug/kg dw | 940U | 880U | 23000U | 1100U | 890U | 20U |
| 2,4-Dichlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,6-Dichlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Diethylphthalate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| p-(Dimethylamino)azobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 3,3'-Dimethylbenzidine | ug/kg dw | 940U | 880U | 23000U | 1100U | 890U | 20U |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 95000U | 90000U | 2400000U | 110000U | 90000U | 200U |
| 2,4-Dimethylphenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS369008110999 00S | SS369011110999 00S | SS370005110899 00S | SS370008110899 00S | SS370011110899 00S | W3690021109990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*4 | S917577*5 | S917545*4 | S917545*5 | S917545*6 | S917577*6 |
| SAMPLE DATE | | 11/09/99 | 11/09/99 | 11/08/99 | 11/08/99 | 11/08/99 | 11/09/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Dimethylphthalate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| m-Dinitrobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| 2,4-Dinitrophenol | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| 2,4-Dinitrotoluene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,6-Dinitrotoluene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Di-n-octylphthalate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,4-Dioxane | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Ethyl methanesulfonate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Hexachlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Hexachlorobutadiene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Hexachlorocyclopentadiene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Hexachloroethane | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Hexachlorophene | ug/kg dw | 28000U | 27000U | 710000U | 32000U | 27000U | 5000U |
| Hexachloropropene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Isophorone | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Isosafrole | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Methapyrilene | ug/kg dw | 9400U | 8800U | 230000U | 11000U | 8900U | 200U |
| 3-Methylcholanthrene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Methyl methanesulfonate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Methylnaphthalene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,4-Naphthoquinone | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1-Naphthylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Naphthylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| Nitrobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 4700U | 4400U | 120000U | 5300U | 4400U | 20U |
| N-Nitrosodi-n-butylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosodiethylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosodimethylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| n-Nitrosodi-n-propylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosomethylethylamine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosomorpholine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosopiperidine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| N-Nitrosopyrrolidine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 5-Nitro-o-toluidine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Pentachlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Pentachlorophenol | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 50U |
| Phenacetin | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS36900811099900S | SS36901111099900S | SS37000511089900S | SS37000811089900S | SS37001111089900S | W3690021109990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*4 | S917577*5 | S917545*4 | S917545*5 | S917545*6 | S917577*6 |
| SAMPLE DATE | | 11/09/99 | 11/09/99 | 11/08/99 | 11/08/99 | 11/08/99 | 11/09/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | |
| Phenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2400U | 2300U | 60000U | 2700U | 2300U | 2000U |
| 2-Picoline | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Pronamide | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Pyridine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 50U |
| Safrole | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| o-Toluidine | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,2,4-Trichlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,4,5-Trichlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 2,4,6-Trichlorophenol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,3,5-Trinitrobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Famphur | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Dimethoate | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Quinoline | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Benzenethiol | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Kepone | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1-Methylnaphthalene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| Pentachloronitrobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| 1,2-Dichlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | |
| 1,3-Dichlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | |
| 1,4-Dichlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 470U | 440U | 12000U | 530U | 440U | 10U |
| **Polynuclear Aromatics (8310)** | | | | | | | |
| Acenaphthene | ug/kg dw | 71U | 520P | 1800U | 80U | 67U | 1.0U |
| Acenaphthylene | ug/kg dw | 28U | 27U | 1000 | 32U | 27U | 1.0U |
| Anthracene | ug/kg dw | 5.7U | 5.2U | 290 | 6.4U | 5.4U | 0.20U |
| Benzo(a)anthracene | ug/kg dw | 12P | 5.2U | 650 | 7.9P | 14P | 0.20U |
| Benzo(a)pyrene | ug/kg dw | 5.7U | 6.3 | 380 | 6.4U | 9.2 | 0.20U |
| Benzo(b)fluoranthene | ug/kg dw | 5.7U | 9.8P | 430P | 13P | 10P | 0.20U |
| Benzo(g,h,i)perylene | ug/kg dw | 14U | 16 | 360U | 16U | 13U | 0.50U |
| Benzo(k)fluoranthene | ug/kg dw | 5.7U | 5.2U | 140U | 6.4U | 5.4U | 0.20U |
| Chrysene | ug/kg dw | 8.2 | 12 | 1400P | 7.6 | 13 | 0.20U |
| Dibenzo(a,h)anthracene | ug/kg dw | 14U | 17 | 430 | 16U | 13U | 0.20U |
| Fluoranthene | ug/kg dw | 14U | 13U | 360U | 16U | 13U | 0.50U |
| Fluorene | ug/kg dw | 14U | 13U | 360U | 16U | 13U | 0.50U |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 14U | 13U | 360U | 16U | 13U | 0.20U |
| Naphthalene | ug/kg dw | 28U | 29 | 720U | 32U | 27U | 1.0U |
| Phenanthrene | ug/kg dw | 5.7U | 9.4 | 670P | 15 | 19 | 0.20U |
| Pyrene | ug/kg dw | 14U | 13U | 910P | 19P | 27P | 0.50U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | SS369008110999 00S | SS369011110999 00S | SS370005110899 00S | SS370008110899 00S | SS370011110899 00S | W3690021109990EB |
|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917577*4 | S917577*5 | S917545*4 | S917545*5 | S917545*6 | S917577*6 |
| SAMPLE DATE | | 11/09/99 | 11/09/99 | 11/08/99 | 11/08/99 | 11/08/99 | 11/09/99 |
| MATRIX | | SOIL | SOIL | SEDIMENT | SOIL | SOIL | WATER |
| | UNITS | | | | | | |
| **Metals (6010)** | | | | | | | |
| Antimony | mg/kg dw | 2.6UN | 2.7UN | 18N | 29N | 6.3N | 0.010U |
| Arsenic | mg/kg dw | 8.3 | 5.6 | 18 | 5.5 | 2.6 | 0.0032U |
| Barium | mg/kg dw | 240 | 250 | 760 | 230 | 270 | 0.0010U |
| Beryllium | mg/kg dw | 1 | 0.93 | 0.88U | 0.99 | 0.67 | 0.0014U |
| Cadmium | mg/kg dw | 0.71U | 0.68U | 3.1U | 0.81U | 0.68U | 0.0050U |
| Chromium | mg/kg dw | 36 | 22 | 4300 | 310 | 23 | 0.0010U |
| Cobalt | mg/kg dw | 9.9 | 9.1 | 6.3U | 9.7 | 7.4 | 0.010U |
| Copper | mg/kg dw | 27 | 23 | 150 | 28 | 18 | 0.020U |
| Nickel | mg/kg dw | 24 | 23 | 55 | 27 | 17 | 0.040U |
| Lead | mg/kg dw | 16 | 15 | 160 | 21 | 12 | 0.0050U |
| Selenium | mg/kg dw | 1.4U | 1.4U | 84 | 2.2 | 1.4U | 0.010U |
| Silver | mg/kg dw | 1.4U | 1.4U | 6.3U | 1.6U | 1.4U | 0.010U |
| Tin | mg/kg dw | 7.1U | 6.8U | 31U | 8.1U | 6.8U | 0.050U |
| Thallium | mg/kg dw | 1.4U | 1.4U | 6.3U | 1.6U | 1.4U | 0.010U |
| Vanadium | mg/kg dw | 45 | 38 | 69 | 52 | 34 | 0.010U |
| Zinc | mg/kg dw | 92 | 74 | 1700 | 130 | 57 | 0.020U |
| **Mercury (7471)** | | | | | | | |
| Mercury | mg/kg dw | 0.049 | 0.032U | 3.1 | 2.6 | 0.049 | 0.00020U |
| **Cyanide (9010)** | | | | | | | |
| Cyanide, Total | mg/kg dw | 1.4U | 1.4U | 6.3U | 1.6U | 1.4U | 0.010U |
| **Sulfide** | | | | | | | |
| Sulfide | mg/kg dw | 120 | 34U | 1800 | 1100 | 420 | |
| **Gasoline Range Organics (8015M)** | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | |
| **pH in Soil (9045)** | | | | | | | |
| pH | units | 8.13 | 8.4 | | | | |
| **Organic Carbon** | | | | | | | |
| Organic Carbon | mg/kg dw | 4700 | 5300 | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | W360003111199EB | W3660041112990EB | TB-005 | TB-006 | TB-007 | TB-008 | TB-009 |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*6 | S917697*14 | S917545*7 | S917577*7 | S917577*8 | S917621*8 | S917660*7 |
| SAMPLE DATE | | 11/11/99 | 11/12/99 | 11/08/99 | 11/09/99 | 11/09/99 | 11/10/99 | 11/11/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | | |
| Acetonitrile | ug/kg dw | 200U | | 200U | 200U | 200U | 200U | 200U |
| Acetone | ug/kg dw | 50U | | 50U | 50U | 50U | 50U | 50U |
| Benzene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromodichloromethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromomethane (Methyl bromide) | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| Carbon disulfide | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chlorobenzene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Dibromochloromethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chloroethane | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| Chloromethane (Methyl chloride) | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| Chloroform | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 3-Chloro-1-propene (Allyl chloride) | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Chloroprene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dibromo-3-chloropropane | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| 1,2-Dibromoethane (EDB) | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,4-Dichloro-2-butene | ug/kg dw | 5.0U | | 10U | 10U | 10U | 10U | 5.0U |
| Dichlorodifluoromethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1-Dichloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dichloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,2-Dichloroethene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1-Dichloroethylene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methylene chloride (Dichloromethane) | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2-Dichloropropane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| cis-1,3-Dichloropropene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| trans-1,3-Dichloropropene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Ethylbenzene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methyl ethyl ketone | ug/kg dw | 25U | | 25U | 25U | 25U | 25U | 25U |
| Iodomethane (Methyl iodide) | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Methacrylonitrile | ug/kg dw | 100U | | 100U | 100U | 100U | 100U | 100U |
| 4-Methyl-2-pentanone (MIBK) | ug/kg dw | 25U | | 25U | 25U | 25U | 25U | 25U |
| Pentachloroethane | ug/kg dw | 25U | | 25U | 25U | 25U | 25U | 25U |
| Styrene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,1,2-Tetrachloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,2,2-Tetrachloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Tetrachloroethene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Carbon tetrachloride | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Toluene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Bromoform | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,2-Trichloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,1,1-Trichloroethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Trichloroethene | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Trichlorofluoromethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| 1,2,3-Trichloropropane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Vinyl acetate | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | W360003111199EB | W3660041112990EB | TB-005 | TB-006 | TB-007 | TB-008 | TB-009 |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*6 | S917697*14 | S917545*7 | S917577*7 | S917577*8 | S917621*8 | S917660*7 |
| SAMPLE DATE | | 11/11/99 | 11/12/99 | 11/08/99 | 11/09/99 | 11/09/99 | 11/10/99 | 11/11/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | |
| **Volatile Organic Compounds (8260)** | | | | | | | | |
| Vinyl chloride | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| Xylenes, Total | ug/kg dw | 10U | | 10U | 10U | 10U | 10U | 10U |
| 2-Hexanone | ug/kg dw | 25U | | 25U | 25U | 25U | 25U | 25U |
| Propionitrile | ug/kg dw | 100U | | 100U | 100U | 100U | 100U | 100U |
| Methyl methacrylate | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Acrolein (Propenal) | ug/kg dw | 100U | | 100U | 100U | 100U | 100U | 100U |
| Acrylonitrile | ug/kg dw | 100U | | 100U | 100U | 100U | 100U | 100U |
| Ethyl methacrylate | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| Isobutanol (Isobutyl alcohol) | ug/kg dw | 200U | | 200U | 200U | 200U | 200U | 200U |
| Dibromomethane | ug/kg dw | 5.0U | | 5.0U | 5.0U | 5.0U | 5.0U | 5.0U |
| cis-1,2-Dichloroethene | ug/kg dw | 5.0U | | 5.0U | 5.0U | | 5.0U | 5.0U |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | |
| Acetophenone | ug/kg dw | 10U | | | | | | |
| 2-Acetylaminofluorene | ug/kg dw | 10U | | | | | | |
| 4-Aminobiphenyl | ug/kg dw | 10U | | | | | | |
| Aniline | ug/kg dw | 20U | | | | | | |
| Aramite (total) | ug/kg dw | 10U | | | | | | |
| Benzyl alcohol | ug/kg dw | 10U | | | | | | |
| bis(2-Chloroethoxy)methane | ug/kg dw | 10U | | | | | | |
| bis(2-Chloroethyl)ether | ug/kg dw | 10U | | | | | | |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether] | ug/kg dw | 10U | | | | | | |
| bis(2-Ethylhexyl)phthalate | ug/kg dw | 10U | | | | | | |
| 4-Bromophenylphenyl ether | ug/kg dw | 10U | | | | | | |
| Butylbenzylphthalate | ug/kg dw | 10U | | | | | | |
| 4-Chloroaniline (p-Chloroaniline) | ug/kg dw | 20U | | | | | | |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol) | ug/kg dw | 10U | | | | | | |
| 2-Chloronaphthalene | ug/kg dw | 10U | | | | | | |
| 2-Chlorophenol | ug/kg dw | 10U | | | | | | |
| 4-Chlorophenylphenyl ether | ug/kg dw | 10U | | | | | | |
| Cresol, m & p | ug/kg dw | 10U | | | | | | |
| Cresol (ortho) | ug/kg dw | 10U | | | | | | |
| Diallate, Total | ug/kg dw | 10U | | | | | | |
| Dibenzofuran | ug/kg dw | 10U | | | | | | |
| Di-n-butylphthalate | ug/kg dw | 10U | | | | | | |
| 3,3'-Dichlorobenzidine | ug/kg dw | 20U | | | | | | |
| 2,4-Dichlorophenol | ug/kg dw | 10U | | | | | | |
| 2,6-Dichlorophenol | ug/kg dw | 10U | | | | | | |
| Diethylphthalate | ug/kg dw | 10U | | | | | | |
| p-(Dimethylamino)azobenzene | ug/kg dw | 10U | | | | | | |
| 7,12-Dimethylbenz(a)anthracene | ug/kg dw | 10U | | | | | | |
| 3,3'-Dimethylbenzidine | ug/kg dw | 20U | | | | | | |
| alpha,alpha-Dimethylphenethylamine | ug/kg dw | 200U | | | | | | |
| 2,4-Dimethylphenol | ug/kg dw | 10U | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | W360003111199EB | W3660041112990EB | TB-005 | TB-006 | TB-007 | TB-008 | TB-009 |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*6 | S917697*14 | S917545*7 | S917577*7 | S917577*8 | S917621*8 | S917660*7 |
| SAMPLE DATE | | 11/11/99 | 11/12/99 | 11/08/99 | 11/09/99 | 11/09/99 | 11/10/99 | 11/11/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | |
| Dimethylphthalate | ug/kg dw | 10U | | | | | | |
| m-Dinitrobenzene | ug/kg dw | 10U | | | | | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol) | ug/kg dw | 50U | | | | | | |
| 2,4-Dinitrophenol | ug/kg dw | 50U | | | | | | |
| 2,4-Dinitrotoluene | ug/kg dw | 10U | | | | | | |
| 2,6-Dinitrotoluene | ug/kg dw | 10U | | | | | | |
| Di-n-octylphthalate | ug/kg dw | 10U | | | | | | |
| 1,4-Dioxane | ug/kg dw | 10U | | | | | | |
| Ethyl methanesulfonate | ug/kg dw | 10U | | | | | | |
| Hexachlorobenzene | ug/kg dw | 10U | | | | | | |
| Hexachlorobutadiene | ug/kg dw | 10U | | | | | | |
| Hexachlorocyclopentadiene | ug/kg dw | 10U | | | | | | |
| Hexachloroethane | ug/kg dw | 10U | | | | | | |
| Hexachlorophene | ug/kg dw | 5000U | | | | | | |
| Hexachloropropene | ug/kg dw | 10U | | | | | | |
| Isophorone | ug/kg dw | 10U | | | | | | |
| Isosafrole | ug/kg dw | 10U | | | | | | |
| Methapyrilene | ug/kg dw | 200U | | | | | | |
| 3-Methylcholanthrene | ug/kg dw | 10U | | | | | | |
| Methyl methanesulfonate | ug/kg dw | 10U | | | | | | |
| 2-Methylnaphthalene | ug/kg dw | 10U | | | | | | |
| 1,4-Naphthoquinone | ug/kg dw | 10U | | | | | | |
| 1-Naphthylamine | ug/kg dw | 10U | | | | | | |
| 2-Naphthylamine | ug/kg dw | 10U | | | | | | |
| 2-Nitroaniline (o-Nitroaniline) | ug/kg dw | 50U | | | | | | |
| 3-Nitroaniline (m-Nitroaniline) | ug/kg dw | 50U | | | | | | |
| 4-Nitroaniline (p-Nitroaniline) | ug/kg dw | 50U | | | | | | |
| Nitrobenzene | ug/kg dw | 10U | | | | | | |
| 2-Nitrophenol (o-Nitrophenol) | ug/kg dw | 10U | | | | | | |
| 4-Nitrophenol (p-Nitrophenol) | ug/kg dw | 50U | | | | | | |
| 4-Nitroquinoline-1-oxide | ug/kg dw | 20U | | | | | | |
| N-Nitrosodi-n-butylamine | ug/kg dw | 10U | | | | | | |
| N-Nitrosodiethylamine | ug/kg dw | 10U | | | | | | |
| N-Nitrosodimethylamine | ug/kg dw | 10U | | | | | | |
| N-Nitrosodiphenylamine/Diphenylamine | ug/kg dw | 10U | | | | | | |
| n-Nitrosodi-n-propylamine | ug/kg dw | 10U | | | | | | |
| N-Nitrosomethylethylamine | ug/kg dw | 10U | | | | | | |
| N-Nitrosomorpholine | ug/kg dw | 10U | | | | | | |
| N-Nitrosopiperidine | ug/kg dw | 10U | | | | | | |
| N-Nitrosopyrrolidine | ug/kg dw | 10U | | | | | | |
| 5-Nitro-o-toluidine | ug/kg dw | 10U | | | | | | |
| Pentachlorobenzene | ug/kg dw | 10U | | | | | | |
| Pentachlorophenol | ug/kg dw | 50U | | | | | | |
| Phenacetin | ug/kg dw | 10U | | | | | | |

# SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | W360003111199EB | W3660041112990EB | TB-005 | TB-006 | TB-007 | TB-008 | TB-009 |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*6 | S917697*14 | S917545*7 | S917577*7 | S917577*8 | S917621*8 | S917660*7 |
| SAMPLE DATE | | 11/11/99 | 11/12/99 | 11/08/99 | 11/09/99 | 11/09/99 | 11/10/99 | 11/11/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | |
| **Acids and Base Neutrals (8270-APP9)** | | | | | | | | |
| Phenol | ug/kg dw | 10U | | | | | | |
| 1,4-Phenylenediamine (p-Phenylenediamine) | ug/kg dw | 2000U | | | | | | |
| 2-Picoline | ug/kg dw | 10U | | | | | | |
| Pronamide | ug/kg dw | 10U | | | | | | |
| Pyridine | ug/kg dw | 50U | | | | | | |
| Safrole | ug/kg dw | 10U | | | | | | |
| 2,3,4,6-Tetrachlorophenol | ug/kg dw | 10U | | | | | | |
| o-Toluidine | ug/kg dw | 10U | | | | | | |
| 1,2,4-Trichlorobenzene | ug/kg dw | 10U | | | | | | |
| 2,4,5-Trichlorophenol | ug/kg dw | 10U | | | | | | |
| 2,4,6-Trichlorophenol | ug/kg dw | 10U | | | | | | |
| O,O,O-Triethyl phosphorothioate | ug/kg dw | 10U | | | | | | |
| 1,3,5-Trinitrobenzene | ug/kg dw | 10U | | | | | | |
| Famphur | ug/kg dw | 10U | | | | | | |
| Dimethoate | ug/kg dw | 10U | | | | | | |
| Quinoline | ug/kg dw | 10U | | | | | | |
| Benzenethiol | ug/kg dw | 10U | | | | | | |
| Kepone | ug/kg dw | 10U | | | | | | |
| 1-Methylnaphthalene | ug/kg dw | | | | | | | |
| Pentachloronitrobenzene | ug/kg dw | 10U | | | | | | |
| 1,2-Dichlorobenzene | ug/kg dw | 10U | | | | | | |
| 1,3-Dichlorobenzene | ug/kg dw | 10U | | | | | | |
| 1,4-Dichlorobenzene | ug/kg dw | 10U | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ug/kg dw | 10U | | | | | | |
| **Polynuclear Aromatics (8310)** | | | | | | | | |
| Acenaphthene | ug/kg dw | 1.0U | | | | | | |
| Acenaphthylene | ug/kg dw | 1.0U | | | | | | |
| Anthracene | ug/kg dw | 0.20U | | | | | | |
| Benzo(a)anthracene | ug/kg dw | 0.20U | | | | | | |
| Benzo(a)pyrene | ug/kg dw | 0.20U | | | | | | |
| Benzo(b)fluoranthene | ug/kg dw | 0.20U | | | | | | |
| Benzo(g,h,i)perylene | ug/kg dw | 0.50U | | | | | | |
| Benzo(k)fluoranthene | ug/kg dw | 0.20U | | | | | | |
| Chrysene | ug/kg dw | 0.20U | | | | | | |
| Dibenzo(a,h)anthracene | ug/kg dw | 0.20U | | | | | | |
| Fluoranthene | ug/kg dw | 0.50U | | | | | | |
| Fluorene | ug/kg dw | 0.50U | | | | | | |
| Indeno(1,2,3-cd)pyrene | ug/kg dw | 0.20U | | | | | | |
| Naphthalene | ug/kg dw | 1.0U | | | | | | |
| Phenanthrene | ug/kg dw | 0.20U | | | | | | |
| Pyrene | ug/kg dw | 0.50U | | | | | | |

## SUMMARY OF PHASE III SOIL SAMPLES
## SWMU V

| SAMPLE ID | | W360003111199EB | W3660041112990EB | TB-005 | TB-006 | TB-007 | TB-008 | TB-009 |
|---|---|---|---|---|---|---|---|---|
| SL LOG NUMBER | | S917660*6 | S917697*14 | S917545*7 | S917577*7 | S917577*8 | S917621*8 | S917660*7 |
| SAMPLE DATE | | 11/11/99 | 11/12/99 | 11/08/99 | 11/09/99 | 11/09/99 | 11/10/99 | 11/11/99 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| | UNITS | | | | | | | |
| **Metals (6010)** | | | | | | | | |
| Antimony | mg/kg dw | 0.020U | 0.020U | | | | | |
| Arsenic | mg/kg dw | 0.0032U | 0.0032U | | | | | |
| Barium | mg/kg dw | 0.010U | 0.010U | | | | | |
| Beryllium | mg/kg dw | 0.0014U | 0.0014U | | | | | |
| Cadmium | mg/kg dw | 0.0050U | 0.0050U | | | | | |
| Chromium | mg/kg dw | 0.010U | 0.018 | | | | | |
| Cobalt | mg/kg dw | 0.010U | | | | | | |
| Copper | mg/kg dw | 0.020U | | | | | | |
| Nickel | mg/kg dw | 0.040U | | | | | | |
| Lead | mg/kg dw | 0.0050U | 0.0050U | | | | | |
| Selenium | mg/kg dw | 0.010U | 0.010U | | | | | |
| Silver | mg/kg dw | 0.010U | | | | | | |
| Tin | mg/kg dw | 0.050U | | | | | | |
| Thallium | mg/kg dw | 0.010U | | | | | | |
| Vanadium | mg/kg dw | 0.010U | 0.010U | | | | | |
| Zinc | mg/kg dw | 0.020U | 0.020U | | | | | |
| **Mercury (7471)** | | | | | | | | |
| Mercury | mg/kg dw | 0.00020U | 0.00020U | | | | | |
| **Cyanide (9010)** | | | | | | | | |
| Cyanide, Total | mg/kg dw | 0.010U | | | | | | |
| **Sulfide** | | | | | | | | |
| Sulfide | mg/kg dw | 1.0U | | | | | | |
| **Gasoline Range Organics (8015M)** | | | | | | | | |
| Hydrocarbons as GRO | ug/kg dw | | | | | | | |
| **Diesel Range Organics (8015)** | | | | | | | | |
| Hydrocarbons as DRO | mg/kg dw | | | | | | | |
| **pH in Soil (9045)** | | | | | | | | |
| pH | units | | | | | | | |
| **Organic Carbon** | | | | | | | | |
| Organic Carbon | mg/kg dw | | | | | | | |
| **Moisture (% Loss on drying @ 105 C)** | | | | | | | | |
| Moisture (% Loss on drying @ 105 C) | % | | | | | | | |

# ORGANIC DATA ASSESSMENT

PROJECT NO. 2389C8602F.01 - 0D200
LABORATORY . STL- Savannah
LABORATORY NO. S7219 (WR001)
NO. OF SAMPLES/
MATRIX 17 Soils

SITE WRRC – SWMUs S,T, V

REVIEWER URS Corporation
REVIEWER'S NAME
COMPLETION DATE 2/18/00

## DATA ASSESSMENT WORKSHEET

| | (VOCs) Meth # 8260 | (SVOCs) Meth # 8270 | (PAHs) Meth # 8310 | Meth # | (TOC) Meth # Walkley-Black |
|---|---|---|---|---|---|
| 1. HOLDING TIMES | ✓ | ✓ | ✓ | | ✓ |
| 2. BLANKS | ✓ | ✓ | ✓ | | ✓ |
| 3. SURROGATES | ✓ | ✓ | (2) | | N/A |
| 4. SCS (LCS) | ✓ | ✓ | ✓ | | ✓ |
| 5. DCS (LSCD) | N/A | N/A | ✓ | | N/A |
| 6. MATIX SPIKE/DUP | ✓ | ✓ | (3) | | N/A |
| 7. DILUTIONS | ✓ | (1) | (4) | | ✓ |
| 8. DUPLICATES | ✓ | ✓ | (5) | | ✓ |
| 9. OVERALL ASSESSMENT | O | O | O/X | | O |

O = Data has no problems/or qualified due to minor problems.
M = Data qualified due to major problems.
Z = Data unacceptable.
X = Problems, but do not affect data

ACTION ITEMS: (5) The RPD for anthracene in duplicate samples SS303008 and SS303008D was high. Therefore, since this is only a field duplicate, these samples/analytes were estimated.

COMMENTS: (1) Samples SS303008, SS303008D, SS303004, SS303022, and SS304004 were diluted by 6x's,2x's, 2x's,6x's, and 10x's respectively, however no action is necessary.
(2) Due to high levels of PAHs, dilutions were required for samples SS304004 and SS303004 (5). Hence, there was interference with the recovery of TPH (either diluted out or matrix interference). Also, due to co-eluting matrix interference, the recovery of TPH for SS304020 and the MSD (SS306001) was high. However, since the LCS/LCSD were within control limits, no action is necessary.
(3) Due to matrix interference (high PAHs), the % recovery/RPD for all except dibenzo(a,h)anthracene were outside limits. However, since the LCS/LCSD were within control limits, no action is necessary.
(4) Samples SS304004 and SS303004 were diluted by 10x's, however no action is necessary.

# INORGANIC DATA ASSESSMENT

PROJECT NO. 2389C8602F.01 - 0D200
LABORATORY . STL- Savannah
LABORATORY NO. S7219 (WR001)
NO. OF SAMPLES/
MATRIX 17 Soils

SITE WRRC – SWMUs S,T, V

REVIEWER URS Corporation
REVIEWER'S NAME
COMPLETION DATE 2/18/00

## DATA ASSESSMENT WORKSHEET

| | (Metals) Meth # 6010 | (Mercury) Meth # 7471 | Meth # | (Cyanide) Meth # 9010 | Meth # |
|---|---|---|---|---|---|
| 1. HOLDING TIMES | ✓ | ✓ | | ✓ | |
| 2. BLANKS | ✓ | ✓ | | ✓ | |
| 3. DUPLICATES | ✓ | ✓ | | ✓ | |
| 4. SCS (LCS) | ✓ | ✓ | | ✓ | |
| 5. DCS (LSCD) | N/A | N/A | | N/A | |
| 6. MATIX SPIKE/DUP | (6) | ✓ | | ✓ | |
| 7. DILUTIONS | ✓ | ✓ | | ✓ | |
| 8. | O | O | | O | |

O = Data has no problems/or qualified due to minor problems.
M = Data qualified due to major problems.
Z = Data unacceptable.
X = Problems, but do not affect data

ACTION ITEMS: (6) The spike % recovery for antimony was below control limits (SS306001). Therefore, all related results were qualified as estimated and estimated non-detect. (LCS recoveries were within limits.)

COMMENTS:

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LOG NO: S9-17427
Received: 04 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 7.9U |
| Chloroform, ug/kg dw | 7.9U |
| 1,2-Dichloroethane, ug/kg dw | 7.9U |
| 2-Butanone (MEK), ug/kg dw | 160U |
| Benzene, ug/kg dw | 7.9U |
| Toluene, ug/kg dw | 7.9U |
| Chlorobenzene, ug/kg dw | 7.9U |
| Ethylbenzene, ug/kg dw | 7.9U |
| Styrene, ug/kg dw | 7.9U |
| Xylenes, Total, ug/kg dw | 7.9U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 7.9U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 92 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

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|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 910U |
| Butylbenzylphthalate, ug/kg dw | 910U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 910U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 910U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 910U |
| Di-n-butylphthalate, ug/kg dw | 910U |
| Diethylphthalate, ug/kg dw | 910U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 910U |
| Dimethylphthalate, ug/kg dw | 910U |
| Cresol, m & p, ug/kg dw | 910U |
| Cresol (ortho), ug/kg dw | 910U |
| 2,4-Dimethylphenol, ug/kg dw | 910U |
| 2,4-Dinitrophenol, ug/kg dw | 4600U |
| Phenol, ug/kg dw | 910U |
| Pyridine, ug/kg dw | 910U |
| 1,4-Dioxane, ug/kg dw | 910U |
| 1-Methylnaphthalene, ug/kg dw | 910U |
| Quinoline, ug/kg dw | 910U |
| Benzenethiol, ug/kg dw | 910U |
| Surrogate - Phenol-d5 | 63 % |
| Surrogate - 2-Fluorophenol | 70 % |
| Surrogate - 2,4,6-Tribromophenol | 67 % |

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Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 61 % |
| Surrogate - 2-Fluorobiphenyl | 70 % |
| Surrogate - Terphenyl-d14 | 70 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 270U |
| Anthracene, ug/kg dw | 220 |
| Benzo(a)anthracene, ug/kg dw | 22U |
| Benzo(a)pyrene, ug/kg dw | 22U |
| Benzo(b)fluoranthene, ug/kg dw | 29 |
| Benzo(g,h,i)perylene, ug/kg dw | 55U |
| Benzo(k)fluoranthene, ug/kg dw | 55U |
| Chrysene, ug/kg dw | 26 |
| Dibenzo(a,h)anthracene, ug/kg dw | 55U |
| Fluoranthene, ug/kg dw | 55U |
| Fluorene, ug/kg dw | 55U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 55U |
| Naphthalene, ug/kg dw | 110U |
| Phenanthrene, ug/kg dw | 43 |
| Pyrene, ug/kg dw | 55U |
| Surrogate - Terphenyl-d14 | 89 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109J |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 14350037

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS300001110399 00S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 | |
|---|---|---|
| Antimony (6010) | | |
| Antimony, mg/kg dw | 1.4UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Arsenic (6010) | | |
| Arsenic, mg/kg dw | 6.0 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Barium (6010) | | |
| Barium, mg/kg dw | 230 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 1.1 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.56U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 25 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Cobalt (6010) | |
| Cobalt, mg/kg dw | 14U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Lead (6010) | |
| Lead, mg/kg dw | 25 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Nickel (6010) | |
| Nickel, mg/kg dw | 22 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 44 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.53U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-1 | SS30000111039900S | 11-03-99/10:30 | WRR001 |

| PARAMETER | 17427-1 |
|---|---|
| Percent Solids | 72 |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 6.0U |
| Chloroform, ug/kg dw | 6.0U |
| 1,2-Dichloroethane, ug/kg dw | 6.0U |
| 2-Butanone (MEK), ug/kg dw | 120U |
| Benzene, ug/kg dw | 6.0U |
| Toluene, ug/kg dw | 6.0U |
| Chlorobenzene, ug/kg dw | 6.0U |
| Ethylbenzene, ug/kg dw | 6.0U |
| Styrene, ug/kg dw | 6.0U |
| Xylenes, Total, ug/kg dw | 6.0U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.0U |
| Surrogate - Toluene-d8 | 97 % |
| Surrogate - 4-Bromofluorobenzene | 97 % |
| Surrogate - Dibromofluoromethane | 90 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

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|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 860U |
| Butylbenzylphthalate, ug/kg dw | 860U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 860U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 860U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 860U |
| Di-n-butylphthalate, ug/kg dw | 860U |
| Diethylphthalate, ug/kg dw | 860U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 860U |
| Dimethylphthalate, ug/kg dw | 860U |
| Cresol, m & p, ug/kg dw | 860U |
| Cresol (ortho), ug/kg dw | 860U |
| 2,4-Dimethylphenol, ug/kg dw | 860U |
| 2,4-Dinitrophenol, ug/kg dw | 4300U |
| Phenol, ug/kg dw | 860U |
| Pyridine, ug/kg dw | 860U |
| 1,4-Dioxane, ug/kg dw | 860U |
| 1-Methylnaphthalene, ug/kg dw | 860U |
| Quinoline, ug/kg dw | 860U |
| Benzenethiol, ug/kg dw | 860U |
| Surrogate - Phenol-d5 | 52 % |
| Surrogate - 2-Fluorophenol | 59 % |
| Surrogate - 2,4,6-Tribromophenol | 57 % |

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Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 50 % |
| Surrogate - 2-Fluorobiphenyl | 54 % |
| Surrogate - Terphenyl-d14 | 50 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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LOG NO: S9-17427
Received: 04 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 65U |
| Anthracene, ug/kg dw | 15 |
| Benzo(a)anthracene, ug/kg dw | 13 |
| Benzo(a)pyrene, ug/kg dw | 11P |
| Benzo(b)fluoranthene, ug/kg dw | 24P |
| Benzo(g,h,i)perylene, ug/kg dw | 48P |
| Benzo(k)fluoranthene, ug/kg dw | 5.2U |
| Chrysene, ug/kg dw | 45P |
| Dibenzo(a,h)anthracene, ug/kg dw | 110 |
| Fluoranthene, ug/kg dw | 20P |
| Fluorene, ug/kg dw | 13U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 19 |
| Naphthalene, ug/kg dw | 26U |
| Phenanthrene, ug/kg dw | 13 |
| Pyrene, ug/kg dw | 37 |
| Surrogate - Terphenyl-d14 | 100 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109J |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS300006110399 00S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 | |
|---|---|---|
| **Antimony (6010)** | | |
| Antimony, mg/kg dw | 16UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Arsenic (6010)** | | |
| Arsenic, mg/kg dw | 5.8 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Barium (6010)** | | |
| Barium, mg/kg dw | 120 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.86 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.53U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 21 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 13U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 20 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS30000611039900S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 28 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.50U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-2 | SS300006110399 00S | 11-03-99/10:46 | WRR001 |

| PARAMETER | 17427-2 |
|---|---|
| Percent Solids | 76 |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 150900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.8U |
| Chloroform, ug/kg dw | 5.8U |
| 1,2-Dichloroethane, ug/kg dw | 5.8U |
| 2-Butanone (MEK), ug/kg dw | 120U |
| Benzene, ug/kg dw | 5.8U |
| Toluene, ug/kg dw | 5.8U |
| Chlorobenzene, ug/kg dw | 5.8U |
| Ethylbenzene, ug/kg dw | 5.8U |
| Styrene, ug/kg dw | 5.8U |
| Xylenes, Total, ug/kg dw | 20 |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.8U |
| Surrogate - Toluene-d8 | 102 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 680U |
| Butylbenzylphthalate, ug/kg dw | 680U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 680U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 680U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 680U |
| Di-n-butylphthalate, ug/kg dw | 680U |
| Diethylphthalate, ug/kg dw | 680U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 680U |
| Dimethylphthalate, ug/kg dw | 680U |
| Cresol, m & p, ug/kg dw | 680U |
| Cresol (ortho), ug/kg dw | 680U |
| 2,4-Dimethylphenol, ug/kg dw | 680U |
| 2,4-Dinitrophenol, ug/kg dw | 3400U |
| Phenol, ug/kg dw | 680U |
| Pyridine, ug/kg dw | 680U |
| 1,4-Dioxane, ug/kg dw | 680U |
| 1-Methylnaphthalene, ug/kg dw | 680U |
| Quinoline, ug/kg dw | 680U |
| Benzenethiol, ug/kg dw | 680U |
| Surrogate - Phenol-d5 | 48 % |
| Surrogate - 2-Fluorophenol | 57 % |
| Surrogate - 2,4,6-Tribromophenol | 54 % |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS300018110399005 | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 52 % |
| Surrogate - 2-Fluorobiphenyl | 58 % |
| Surrogate - Terphenyl-d14 | 59 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 52U |
| Anthracene, ug/kg dw | 11 |
| Benzo(a)anthracene, ug/kg dw | 4.2U |
| Benzo(a)pyrene, ug/kg dw | 4.2U |
| Benzo(b)fluoranthene, ug/kg dw | 4.2U |
| Benzo(g,h,i)perylene, ug/kg dw | 10U |
| Benzo(k)fluoranthene, ug/kg dw | 4.2U |
| Chrysene, ug/kg dw | 4.2U |
| Dibenzo(a,h)anthracene, ug/kg dw | 10U |
| Fluoranthene, ug/kg dw | 10U |
| Fluorene, ug/kg dw | 10U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 10U |
| Naphthalene, ug/kg dw | 21U |
| Phenanthrene, ug/kg dw | 4.2 |
| Pyrene, ug/kg dw | 10U |
| Surrogate - Terphenyl-d14 | 63 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109J |

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|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 6.43 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.09.99 |
| Batch ID | 1109Y |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 530U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| Antimony (6010) | |
| Antimony, mg/kg dw | 13UN U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Arsenic (6010) | |
| Arsenic, mg/kg dw | 0.94 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| **Barium (6010)** | |
| Barium, mg/kg dw | 42U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.42U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 9.6 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 2.1 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-4 | SS30001811039900S | 11-03-99/11:40 | WRR001 |

| PARAMETER | 17427-4 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.41U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 95 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 8.6U |
| Chloroform, ug/kg dw | 8.6U |
| 1,2-Dichloroethane, ug/kg dw | 8.6U |
| 2-Butanone (MEK), ug/kg dw | 170U |
| Benzene, ug/kg dw | 8.6U |
| Toluene, ug/kg dw | 8.6U |
| Chlorobenzene, ug/kg dw | 8.6U |
| Ethylbenzene, ug/kg dw | 8.6U |
| Styrene, ug/kg dw | 8.6U |
| Xylenes, Total, ug/kg dw | 8.6U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 8.6U |
| Surrogate - Toluene-d8 | 99 % |
| Surrogate - 4-Bromofluorobenzene | 90 % |
| Surrogate - Dibromofluoromethane | 98 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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LOG NO: S9-17427
Received: 04 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 990U |
| Butylbenzylphthalate, ug/kg dw | 990U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 990U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 990U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 990U |
| Di-n-butylphthalate, ug/kg dw | 990U |
| Diethylphthalate, ug/kg dw | 990U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 990U |
| Dimethylphthalate, ug/kg dw | 990U |
| Cresol, m & p, ug/kg dw | 990U |
| Cresol (ortho), ug/kg dw | 990U |
| 2,4-Dimethylphenol, ug/kg dw | 990U |
| 2,4-Dinitrophenol, ug/kg dw | 5000U |
| Phenol, ug/kg dw | 990U |
| Pyridine, ug/kg dw | 990U |
| 1,4-Dioxane, ug/kg dw | 990U |
| 1-Methylnaphthalene, ug/kg dw | 990U |
| Quinoline, ug/kg dw | 990U |
| Benzenethiol, ug/kg dw | 990U |
| Surrogate - Phenol-d5 | 52 % |
| Surrogate - 2-Fluorophenol | 56 % |
| Surrogate - 2,4,6-Tribromophenol | 52 % |

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Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS301008110399 00S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 48 % |
| Surrogate - 2-Fluorobiphenyl | 56 % |
| Surrogate - Terphenyl-d14 | 48 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 75U |
| Anthracene, ug/kg dw | 6.8 |
| Benzo(a)anthracene, ug/kg dw | 6.0U |
| Benzo(a)pyrene, ug/kg dw | 6.0U |
| Benzo(b)fluoranthene, ug/kg dw | 6.0U |
| Benzo(g,h,i)perylene, ug/kg dw | 15U |
| Benzo(k)fluoranthene, ug/kg dw | 6.0U |
| Chrysene, ug/kg dw | 12 |
| Dibenzo(a,h)anthracene, ug/kg dw | 15U |
| Fluoranthene, ug/kg dw | 15U |
| Fluorene, ug/kg dw | 15U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 15U |
| Naphthalene, ug/kg dw | 30U |
| Phenanthrene, ug/kg dw | 6.0U |
| Pyrene, ug/kg dw | 15U |
| Surrogate - Terphenyl-d14 | 45 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 | |
|---|---|---|
| **Antimony (6010)** | | |
| Antimony, mg/kg dw | 18UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Arsenic (6010)** | | |
| Arsenic, mg/kg dw | 4.3 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Barium (6010)** | | |
| Barium, mg/kg dw | 250 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 1.2 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.61U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 27 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



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|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 15U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 15 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 26 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.5U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 46 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.59U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.5U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-3 | SS30100811039900S | 11-03-99/15:00 | WRR001 |

| PARAMETER | 17427-3 |
|---|---|
| Percent Solids | 66 |

Elizabeth R. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.8U |
| Chloroform, ug/kg dw | 5.8U |
| 1,2-Dichloroethane, ug/kg dw | 5.8U |
| 2-Butanone (MEK), ug/kg dw | 120U |
| Benzene, ug/kg dw | 5.8U |
| Toluene, ug/kg dw | 5.8U |
| Chlorobenzene, ug/kg dw | 5.8U |
| Ethylbenzene, ug/kg dw | 5.8U |
| Styrene, ug/kg dw | 5.8U |
| Xylenes, Total, ug/kg dw | 5.8U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.8U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 95 % |
| Surrogate - Dibromofluoromethane | 93 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 700U |
| Butylbenzylphthalate, ug/kg dw | 700U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 700U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 700U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 700U |
| Di-n-butylphthalate, ug/kg dw | 700U |
| Diethylphthalate, ug/kg dw | 700U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 700U |
| Dimethylphthalate, ug/kg dw | 700U |
| Cresol, m & p, ug/kg dw | 700U |
| Cresol (ortho), ug/kg dw | 700U |
| 2,4-Dimethylphenol, ug/kg dw | 700U |
| 2,4-Dinitrophenol, ug/kg dw | 3500U |
| Phenol, ug/kg dw | 700U |
| Pyridine, ug/kg dw | 700U |
| 1,4-Dioxane, ug/kg dw | 700U |
| 1-Methylnaphthalene, ug/kg dw | 700U |
| Quinoline, ug/kg dw | 700U |
| Benzenethiol, ug/kg dw | 700U |
| Surrogate - Phenol-d5 | 54 % |
| Surrogate - 2-Fluorophenol | 60 % |
| Surrogate - 2,4,6-Tribromophenol | 57 % |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 52 % |
| Surrogate - 2-Fluorobiphenyl | 56 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 210U |
| Anthracene, ug/kg dw | 13 |
| Benzo(a)anthracene, ug/kg dw | 4.2U |
| Benzo(a)pyrene, ug/kg dw | 4.2U |
| Benzo(b)fluoranthene, ug/kg dw | 4.2U |
| Benzo(g,h,i)perylene, ug/kg dw | 11U |
| Benzo(k)fluoranthene, ug/kg dw | 4.2U |
| Chrysene, ug/kg dw | 4.2U |
| Dibenzo(a,h)anthracene, ug/kg dw | 11U |
| Fluoranthene, ug/kg dw | 11U |
| Fluorene, ug/kg dw | 21 |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 11U |
| Naphthalene, ug/kg dw | 21U |
| Phenanthrene, ug/kg dw | 7.1 |
| Pyrene, ug/kg dw | 11U |
| Surrogate - Terphenyl-d14 | 70 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109J |

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|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 | |
|---|---|---|
| pH in Soil (9045) | | |
| pH, units | 6.82 | |
| Prep Date | 11.09.99 | |
| Analysis Date | 11.09.99 | |
| Batch ID | 1109Y | |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 1400 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.19.99 | |
| Analysis Date | 11.19.99 | |
| Batch ID | 1119X | |
| Antimony (6010) | | |
| Antimony, mg/kg dw | 13UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Arsenic (6010) | | |
| Arsenic, mg/kg dw | 1.0 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Barium (6010) | |
| Barium, mg/kg dw | 43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Beryllium (6010) | |
| Beryllium, mg/kg dw | 0.13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Cadmium (6010) | |
| Cadmium, mg/kg dw | 0.43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 5.4 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 2.3 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Code: 150900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 12 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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LOG NO: S9-17427
Received: 04 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
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2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-5 | SS30102011039900S | 11-03-99/15:15 | WRR001 |

| PARAMETER | 17427-5 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.42U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 94 |

Elizabeth F. Beauchamp, Project Manager

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Received: 05 NOV 99
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.9U |
| Chloroform, ug/kg dw | 5.9U |
| 1,2-Dichloroethane, ug/kg dw | 5.9U |
| 2-Butanone (MEK), ug/kg dw | 30U |
| Benzene, ug/kg dw | 5.9U |
| Toluene, ug/kg dw | 5.9U |
| Chlorobenzene, ug/kg dw | 5.9U |
| Ethylbenzene, ug/kg dw | 5.9U |
| Styrene, ug/kg dw | 5.9U |
| Xylenes, Total, ug/kg dw | 5.9U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.9U |
| Surrogate - Toluene-d8 | 95 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 93 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS302001110499 00S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 750U |
| Butylbenzylphthalate, ug/kg dw | 750U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 750U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 750U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 750U |
| Di-n-butylphthalate, ug/kg dw | 750U |
| Diethylphthalate, ug/kg dw | 750U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 750U |
| Dimethylphthalate, ug/kg dw | 750U |
| Cresol, m & p, ug/kg dw | 750U |
| Cresol (ortho), ug/kg dw | 750U |
| 2,4-Dimethylphenol, ug/kg dw | 750U |
| 2,4-Dinitrophenol, ug/kg dw | 3800U |
| Phenol, ug/kg dw | 750U |
| Pyridine, ug/kg dw | 750U |
| 1,4-Dioxane, ug/kg dw | 750U |
| 1-Methylnaphthalene, ug/kg dw | 750U |
| Quinoline, ug/kg dw | 750U |
| Benzenethiol, ug/kg dw | 750U |
| Surrogate - Phenol-d5 | 47 % |
| Surrogate - 2-Fluorophenol | 50 % |
| Surrogate - 2,4,6-Tribromophenol | 58 % |

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Contract No.: S7219
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Sampled By: Client
Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 48 % |
| Surrogate - 2-Fluorobiphenyl | 58 % |
| Surrogate - Terphenyl-d14 | 58 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 56U |
| Anthracene, ug/kg dw | 9.8 |
| Benzo(a)anthracene, ug/kg dw | 28P |
| Benzo(a)pyrene, ug/kg dw | 20 |
| Benzo(b)fluoranthene, ug/kg dw | 12P |
| Benzo(g,h,i)perylene, ug/kg dw | 50P |
| Benzo(k)fluoranthene, ug/kg dw | 4.5U |
| Chrysene, ug/kg dw | 36P |
| Dibenzo(a,h)anthracene, ug/kg dw | 22 |
| Fluoranthene, ug/kg dw | 61 |
| Fluorene, ug/kg dw | 11U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 14P |
| Naphthalene, ug/kg dw | 22U |
| Phenanthrene, ug/kg dw | 27P |
| Pyrene, ug/kg dw | 54P |
| Surrogate - Terphenyl-d14 | 86 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109J |

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Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 | |
|---|---|---|
| pH in Soil (9045) | | |
| pH, units | 7.37 | |
| Prep Date | 11.09.99 | |
| Analysis Date | 11.09.99 | |
| Batch ID | 1109Y | |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 16000 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.19.99 | |
| Analysis Date | 11.19.99 | |
| Batch ID | 1119X | |
| Antimony (6010) | | |
| Antimony, mg/kg dw | 2.3UN | US |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Arsenic (6010) | | |
| Arsenic, mg/kg dw | 7.2 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Barium (6010) | |
| Barium, mg/kg dw | 170 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Beryllium (6010) | |
| Beryllium, mg/kg dw | 0.65 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Cadmium (6010) | |
| Cadmium, mg/kg dw | 0.57U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 17 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 25 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 21 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 35 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-5 | SS30200111049900S | 11-04-99/09:20 | WRR001 |

| PARAMETER | 17482-5 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.44U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 88 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 6.9U |
| Chloroform, ug/kg dw | 6.9U |
| 1,2-Dichloroethane, ug/kg dw | 6.9U |
| 2-Butanone (MEK), ug/kg dw | 140U |
| Benzene, ug/kg dw | 6.9U |
| Toluene, ug/kg dw | 6.9U |
| Chlorobenzene, ug/kg dw | 6.9U |
| Ethylbenzene, ug/kg dw | 6.9U |
| Styrene, ug/kg dw | 6.9U |
| Xylenes, Total, ug/kg dw | 6.9U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.9U |
| Surrogate - Toluene-d8 | 101 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 97 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Contract No.: S7219
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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 880U |
| Butylbenzylphthalate, ug/kg dw | 880U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 880U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 880U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 880U |
| Di-n-butylphthalate, ug/kg dw | 880U |
| Diethylphthalate, ug/kg dw | 880U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 880U |
| Dimethylphthalate, ug/kg dw | 880U |
| Cresol, m & p, ug/kg dw | 880U |
| Cresol (ortho), ug/kg dw | 880U |
| 2,4-Dimethylphenol, ug/kg dw | 880U |
| 2,4-Dinitrophenol, ug/kg dw | 4400U |
| Phenol, ug/kg dw | 880U |
| Pyridine, ug/kg dw | 880U |
| 1,4-Dioxane, ug/kg dw | 880U |
| 1-Methylnaphthalene, ug/kg dw | 880U |
| Quinoline, ug/kg dw | 880U |
| Benzenethiol, ug/kg dw | 880U |
| Surrogate - Phenol-d5 | 51 % |
| Surrogate - 2-Fluorophenol | 58 % |
| Surrogate - 2,4,6-Tribromophenol | 58 % |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 54 % |
| Surrogate - 2-Fluorobiphenyl | 64 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 130U |
| Anthracene, ug/kg dw | 27 |
| Benzo(a)anthracene, ug/kg dw | 23P |
| Benzo(a)pyrene, ug/kg dw | 14 |
| Benzo(b)fluoranthene, ug/kg dw | 10U |
| Benzo(g,h,i)perylene, ug/kg dw | 26U |
| Benzo(k)fluoranthene, ug/kg dw | 10U |
| Chrysene, ug/kg dw | 45 |
| Dibenzo(a,h)anthracene, ug/kg dw | 26U |
| Fluoranthene, ug/kg dw | 26U |
| Fluorene, ug/kg dw | 26U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 26U |
| Naphthalene, ug/kg dw | 51U |
| Phenanthrene, ug/kg dw | 30 |
| Pyrene, ug/kg dw | 53 |
| Surrogate - Terphenyl-d14 | 119 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1109J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS302014110499 00S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Antimony (6010) | |
| Antimony, mg/kg dw | 16UN UJ |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Arsenic (6010) | |
| Arsenic, mg/kg dw | 9.5 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Barium (6010) | |
| Barium, mg/kg dw | 220 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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LOG NO: S9-17482
Received: 05 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS302014110499 00S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 1.2 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.54U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 30 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 14U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 19 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 31 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-1 | SS302014110499 00S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 59 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.49U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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|---|---|---|---|
| 17482-1 | SS30201411049900S | 11-04-99/09:30 | WRR001 |

| PARAMETER | 17482-1 |
|---|---|
| Percent Solids | 74 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 4.8U |
| Chloroform, ug/kg dw | 4.8U |
| 1,2-Dichloroethane, ug/kg dw | 4.8U |
| 2-Butanone (MEK), ug/kg dw | 96U |
| Benzene, ug/kg dw | 4.8U |
| Toluene, ug/kg dw | 4.8U |
| Chlorobenzene, ug/kg dw | 4.8U |
| Ethylbenzene, ug/kg dw | 4.8U |
| Styrene, ug/kg dw | 4.8U |
| Xylenes, Total, ug/kg dw | 4.8U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 4.8U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 102 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 700U |
| Butylbenzylphthalate, ug/kg dw | 700U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 700U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 700U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 700U |
| Di-n-butylphthalate, ug/kg dw | 700U |
| Diethylphthalate, ug/kg dw | 700U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 700U |
| Dimethylphthalate, ug/kg dw | 700U |
| Cresol, m & p, ug/kg dw | 700U |
| Cresol (ortho), ug/kg dw | 700U |
| 2,4-Dimethylphenol, ug/kg dw | 700U |
| 2,4-Dinitrophenol, ug/kg dw | 3500U |
| Phenol, ug/kg dw | 700U |
| Pyridine, ug/kg dw | 700U |
| 1,4-Dioxane, ug/kg dw | 700U |
| 1-Methylnaphthalene, ug/kg dw | 700U |
| Quinoline, ug/kg dw | 700U |
| Benzenethiol, ug/kg dw | 700U |
| Surrogate - Phenol-d5 | 47 % |
| Surrogate - 2-Fluorophenol | 53 % |
| Surrogate - 2,4,6-Tribromophenol | 50 % |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 50 % |
| Surrogate - Terphenyl-d14 | 52 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 54U |
| Anthracene, ug/kg dw | 16 |
| Benzo(a)anthracene, ug/kg dw | 7.3P |
| Benzo(a)pyrene, ug/kg dw | 5.2 |
| Benzo(b)fluoranthene, ug/kg dw | 4.2U |
| Benzo(g,h,i)perylene, ug/kg dw | 10U |
| Benzo(k)fluoranthene, ug/kg dw | 4.2U |
| Chrysene, ug/kg dw | 11 |
| Dibenzo(a,h)anthracene, ug/kg dw | 10U |
| Fluoranthene, ug/kg dw | 24 |
| Fluorene, ug/kg dw | 10U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 10U |
| Naphthalene, ug/kg dw | 21U |
| Phenanthrene, ug/kg dw | 12 |
| Pyrene, ug/kg dw | 13P |
| Surrogate - Terphenyl-d14 | 112 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1109J |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 | |
|---|---|---|
| Antimony (6010) | | |
| Antimony, mg/kg dw | 13UN | uJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Arsenic (6010) | | |
| Arsenic, mg/kg dw | 1.2 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Barium (6010) | | |
| Barium, mg/kg dw | 43U | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.19 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 7.4 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 3.4 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 8.6U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.41U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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|---|---|---|---|
| 17482-2 | SS30202411049900S | 11-04-99/09:40 | WRR001 |

| PARAMETER | 17482-2 |
|---|---|
| Percent Solids | 93 |

Elizabeth F. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.1U |
| Chloroform, ug/kg dw | 5.1U |
| 1,2-Dichloroethane, ug/kg dw | 5.1U |
| 2-Butanone (MEK), ug/kg dw | 100U |
| Benzene, ug/kg dw | 5.1U |
| Toluene, ug/kg dw | 5.1U |
| Chlorobenzene, ug/kg dw | 5.1U |
| Ethylbenzene, ug/kg dw | 5.1U |
| Styrene, ug/kg dw | 5.1U |
| Xylenes, Total, ug/kg dw | 5.1U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.1U |
| Surrogate - Toluene-d8 | 96 % |
| Surrogate - 4-Bromofluorobenzene | 86 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 760U |
| Butylbenzylphthalate, ug/kg dw | 760U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 760U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 760U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 760U |
| Di-n-butylphthalate, ug/kg dw | 760U |
| Diethylphthalate, ug/kg dw | 760U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 760U |
| Dimethylphthalate, ug/kg dw | 760U |
| Cresol, m & p, ug/kg dw | 760U |
| Cresol (ortho), ug/kg dw | 760U |
| 2,4-Dimethylphenol, ug/kg dw | 760U |
| 2,4-Dinitrophenol, ug/kg dw | 3800U |
| Phenol, ug/kg dw | 760U |
| Pyridine, ug/kg dw | 760U |
| 1,4-Dioxane, ug/kg dw | 760U |
| 1-Methylnaphthalene, ug/kg dw | 760U |
| Quinoline, ug/kg dw | 760U |
| Benzenethiol, ug/kg dw | 760U |
| Surrogate - Phenol-d5 | 55 % |
| Surrogate - 2-Fluorophenol | 63 % |
| Surrogate - 2,4,6-Tribromophenol | 58 % |

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|---|---|---|---|
| 17482-6 | SS303001110499 00S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 58 % |
| Surrogate - 2-Fluorobiphenyl | 58 % |
| Surrogate - Terphenyl-d14 | 58 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 58U |
| Anthracene, ug/kg dw | 15 |
| Benzo(a)anthracene, ug/kg dw | 19 |
| Benzo(a)pyrene, ug/kg dw | 32 |
| Benzo(b)fluoranthene, ug/kg dw | 23P |
| Benzo(g,h,i)perylene, ug/kg dw | 44 |
| Benzo(k)fluoranthene, ug/kg dw | 14P |
| Chrysene, ug/kg dw | 35 |
| Dibenzo(a,h)anthracene, ug/kg dw | 21P |
| Fluoranthene, ug/kg dw | 36 |
| Fluorene, ug/kg dw | 12U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 15 |
| Naphthalene, ug/kg dw | 23U |
| Phenanthrene, ug/kg dw | 19P |
| Pyrene, ug/kg dw | 25P |
| Surrogate - Terphenyl-d14 | 146 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109J |

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LOG NO: S9-17482
Received: 05 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS303001110499 00S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 7.75 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.09.99 |
| Batch ID | 1109Y |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 4600 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| Antimony (6010) | |
| Antimony, mg/kg dw | 14UN U5 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Arsenic (6010) | |
| Arsenic, mg/kg dw | 7.0 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| **Barium (6010)** | |
| Barium, mg/kg dw | 99 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.37 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.59U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 12U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 42 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS30300111049900S | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 15 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 24 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-6 | SS303001110499005 | 11-04-99/13:30 | WRR001 |

| PARAMETER | 17482-6 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.47U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 85 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS303004110499 00S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 4.7U |
| Chloroform, ug/kg dw | 4.7U |
| 1,2-Dichloroethane, ug/kg dw | 4.7U |
| 2-Butanone (MEK), ug/kg dw | 94U |
| Benzene, ug/kg dw | 4.7U |
| Toluene, ug/kg dw | 4.7U |
| Chlorobenzene, ug/kg dw | 4.7U |
| Ethylbenzene, ug/kg dw | 4.7U |
| Styrene, ug/kg dw | 4.7U |
| Xylenes, Total, ug/kg dw | 4.7U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 4.7U |
| Surrogate - Toluene-d8 | 102 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 91 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Contract No.: S7219
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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 | | |
|---|---|---|---|
| Acids and Base Neutrals (8270-APP9) | | | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 1400U | | |
| Butylbenzylphthalate, ug/kg dw | 1400U | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 1400U | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 1400U | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 1400U | | |
| Di-n-butylphthalate, ug/kg dw | 1400U | | |
| Diethylphthalate, ug/kg dw | 1400U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 1400U | | |
| Dimethylphthalate, ug/kg dw | 1400U | | |
| Cresol, m & p, ug/kg dw | 1400U | | |
| Cresol (ortho), ug/kg dw | 1400U | | |
| 2,4-Dimethylphenol, ug/kg dw | 1400U | | |
| 2,4-Dinitrophenol, ug/kg dw | 7300U | | |
| Phenol, ug/kg dw | 1400U | | |
| Pyridine, ug/kg dw | 1400U | | |
| 1,4-Dioxane, ug/kg dw | 1400U | | |
| 1-Methylnaphthalene, ug/kg dw | 1400U | | |
| Quinoline, ug/kg dw | 1400U | | |
| Benzenethiol, ug/kg dw | 1400U | | |
| Surrogate - Phenol-d5 | 55 % | | |
| Surrogate - 2-Fluorophenol | 60 % | | |
| Surrogate - 2,4,6-Tribromophenol | 59 % | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS303004110499 00S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 54 % |
| Surrogate - 2-Fluorobiphenyl | 62 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 2.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 550U |
| Anthracene, ug/kg dw | 130 |
| Benzo(a)anthracene, ug/kg dw | 350P |
| Benzo(a)pyrene, ug/kg dw | 190 |
| Benzo(b)fluoranthene, ug/kg dw | 140 |
| Benzo(g,h,i)perylene, ug/kg dw | 210 |
| Benzo(k)fluoranthene, ug/kg dw | 44U |
| Chrysene, ug/kg dw | 410 |
| Dibenzo(a,h)anthracene, ug/kg dw | 110U |
| Fluoranthene, ug/kg dw | 230P |
| Fluorene, ug/kg dw | 110U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 110U |
| Naphthalene, ug/kg dw | 220U |
| Phenanthrene, ug/kg dw | 190 |
| Pyrene, ug/kg dw | 370P |
| Surrogate - Terphenyl-d14 | Y |
| Dilution Factor | 10.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS303004110499005 | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 | | |
|---|---|---|---|
| pH in Soil (9045) | | | |
| pH, units | 7.91 | | |
| Prep Date | 11.09.99 | | |
| Analysis Date | 11.09.99 | | |
| Batch ID | 1109Y | | |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 8200 | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.19.99 | | |
| Analysis Date | 11.19.99 | | |
| Batch ID | 1119X | | |
| Antimony (6010) | | | |
| Antimony, mg/kg dw | 13UN | UJ | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.10.99 | | |
| Analysis Date | 11.11.99 | | |
| Batch ID | 1110A | | |
| Arsenic (6010) | | | |
| Arsenic, mg/kg dw | 4.6 | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.10.99 | | |
| Analysis Date | 11.11.99 | | |
| Batch ID | 1110A | | |

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|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| **Barium (6010)** | |
| Barium, mg/kg dw | 79 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.35 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.56U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 15 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 23 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-7 | SS30300411049900S | 11-04-99/13:45 | WRR001 |

| PARAMETER | 17482-7 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.45U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 89 |

Elizabeth F. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 6.1U |
| Chloroform, ug/kg dw | 6.1U |
| 1,2-Dichloroethane, ug/kg dw | 6.1U |
| 2-Butanone (MEK), ug/kg dw | 30U |
| Benzene, ug/kg dw | 6.1U |
| Toluene, ug/kg dw | 6.1U |
| Chlorobenzene, ug/kg dw | 6.1U |
| Ethylbenzene, ug/kg dw | 6.1U |
| Styrene, ug/kg dw | 6.1U |
| Xylenes, Total, ug/kg dw | 6.1U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.1U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 102 % |
| Surrogate - Dibromofluoromethane | 97 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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LOG NO: S9-17482
Received: 05 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 4800U |
| Butylbenzylphthalate, ug/kg dw | 4800U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 4800U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 4800U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 4800U |
| Di-n-butylphthalate, ug/kg dw | 4800U |
| Diethylphthalate, ug/kg dw | 4800U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 4800U |
| Dimethylphthalate, ug/kg dw | 4800U |
| Cresol, m & p, ug/kg dw | 4800U |
| Cresol (ortho), ug/kg dw | 4800U |
| 2,4-Dimethylphenol, ug/kg dw | 4800U |
| 2,4-Dinitrophenol, ug/kg dw | 24000U |
| Phenol, ug/kg dw | 4800U |
| Pyridine, ug/kg dw | 4800U |
| 1,4-Dioxane, ug/kg dw | 4800U |
| 1-Methylnaphthalene, ug/kg dw | 4800U |
| Quinoline, ug/kg dw | 4800U |
| Benzenethiol, ug/kg dw | 4800U |
| Surrogate - Phenol-d5 | 50 % |
| Surrogate - 2-Fluorophenol | 54 % |
| Surrogate - 2,4,6-Tribromophenol | 62 % |

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|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 48 % |
| Surrogate - 2-Fluorobiphenyl | 59 % |
| Surrogate - Terphenyl-d14 | 70 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 330U |
| Anthracene, ug/kg dw | 120J |
| Benzo(a)anthracene, ug/kg dw | 26U |
| Benzo(a)pyrene, ug/kg dw | 26U |
| Benzo(b)fluoranthene, ug/kg dw | 26U |
| Benzo(g,h,i)perylene, ug/kg dw | 66U |
| Benzo(k)fluoranthene, ug/kg dw | 26U |
| Chrysene, ug/kg dw | 26U |
| Dibenzo(a,h)anthracene, ug/kg dw | 66U |
| Fluoranthene, ug/kg dw | 66U |
| Fluorene, ug/kg dw | 66U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 66U |
| Naphthalene, ug/kg dw | 130U |
| Phenanthrene, ug/kg dw | 32 |
| Pyrene, ug/kg dw | 66U |
| Surrogate - Terphenyl-d14 | 80 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1109J |

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|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 | |
|---|---|---|
| Antimony (6010) | | |
| Antimony, mg/kg dw | 16UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Arsenic (6010) | | |
| Arsenic, mg/kg dw | 2.1 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| Barium (6010) | | |
| Barium, mg/kg dw | 52U | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.47 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.52U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Cobalt (6010) | |
| Cobalt, mg/kg dw | 13U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Lead (6010) | |
| Lead, mg/kg dw | 8.4 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Nickel (6010) | |
| Nickel, mg/kg dw | 15 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 21 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.52U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-3 | SS30300811049900S | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-3 |
|---|---|
| Percent Solids | 77 |

Elizabeth F. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.9U |
| Chloroform, ug/kg dw | 5.9U |
| 1,2-Dichloroethane, ug/kg dw | 5.9U |
| 2-Butanone (MEK), ug/kg dw | 120U |
| Benzene, ug/kg dw | 5.9U |
| Toluene, ug/kg dw | 5.9U |
| Chlorobenzene, ug/kg dw | 5.9U |
| Ethylbenzene, ug/kg dw | 5.9U |
| Styrene, ug/kg dw | 5.9U |
| Xylenes, Total, ug/kg dw | 5.9U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.9U |
| Surrogate - Toluene-d8 | 102 % |
| Surrogate - 4-Bromofluorobenzene | 103 % |
| Surrogate - Dibromofluoromethane | 95 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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2318 Millpark Drive
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Sampled By: Client
Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 1600U |
| Butylbenzylphthalate, ug/kg dw | 1600U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 1600U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 1600U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 1600U |
| Di-n-butylphthalate, ug/kg dw | 1600U |
| Diethylphthalate, ug/kg dw | 1600U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 1600U |
| Dimethylphthalate, ug/kg dw | 1600U |
| Cresol, m & p, ug/kg dw | 1600U |
| Cresol (ortho), ug/kg dw | 1600U |
| 2,4-Dimethylphenol, ug/kg dw | 1600U |
| 2,4-Dinitrophenol, ug/kg dw | 7900U |
| Phenol, ug/kg dw | 1600U |
| Pyridine, ug/kg dw | 1600U |
| 1,4-Dioxane, ug/kg dw | 1600U |
| 1-Methylnaphthalene, ug/kg dw | 1600U |
| Quinoline, ug/kg dw | 1600U |
| Benzenethiol, ug/kg dw | 1600U |
| Surrogate - Phenol-d5 | 51 % |
| Surrogate - 2-Fluorophenol | 58 % |
| Surrogate - 2,4,6-Tribromophenol | 60 % |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 50 % |
| Surrogate - 2-Fluorobiphenyl | 58 % |
| Surrogate - Terphenyl-d14 | 62 % |
| Dilution Factor | 2.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 60U |
| Anthracene, ug/kg dw | 20J |
| Benzo(a)anthracene, ug/kg dw | 28 |
| Benzo(a)pyrene, ug/kg dw | 8.2 |
| Benzo(b)fluoranthene, ug/kg dw | 4.8U |
| Benzo(g,h,i)perylene, ug/kg dw | 12U |
| Benzo(k)fluoranthene, ug/kg dw | 4.8U |
| Chrysene, ug/kg dw | 22P |
| Dibenzo(a,h)anthracene, ug/kg dw | 12U |
| Fluoranthene, ug/kg dw | 38P |
| Fluorene, ug/kg dw | 12U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 12U |
| Naphthalene, ug/kg dw | 24U |
| Phenanthrene, ug/kg dw | 24 |
| Pyrene, ug/kg dw | 33P |
| Surrogate - Terphenyl-d14 | 120 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1109J |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 | |
|---|---|---|
| **Antimony (6010)** | | |
| Antimony, mg/kg dw | 15UN | US |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Arsenic (6010)** | | |
| Arsenic, mg/kg dw | 2.3 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Barium (6010)** | | |
| Barium, mg/kg dw | 150 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.63 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.49U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 22 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 12U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 12 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 19 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Selenium (6010) | |
| Selenium, mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Vanadium (6010) | |
| Vanadium, mg/kg dw | 32 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.46U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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LOG NO: S9-17482
Received: 05 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-4 | SS30300811049900D | 11-04-99/14:00 | WRR001 |

| PARAMETER | 17482-4 |
|---|---|
| Percent Solids | 82 |

Elizabeth F. Beauchamp, Project Manager

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-9 | SS30301211049900S | 11-04-99/14:10 | WRR001 |

| PARAMETER | 17482-9 | | |
|---|---|---|---|
| pH in Soil (9045) | | | |
| pH, units | 7.19 | | |
| Prep Date | 11.09.99 | | |
| Analysis Date | 11.09.99 | | |
| Batch ID | 1109Y | | |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 3800 | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.19.99 | | |
| Analysis Date | 11.19.99 | | |
| Batch ID | 1119X | | |
| Percent Solids | 76 | | |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS303022110499 00S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.9U |
| Chloroform, ug/kg dw | 5.9U |
| 1,2-Dichloroethane, ug/kg dw | 5.9U |
| 2-Butanone (MEK), ug/kg dw | 120U |
| Benzene, ug/kg dw | 5.9U |
| Toluene, ug/kg dw | 5.9U |
| Chlorobenzene, ug/kg dw | 5.9U |
| Ethylbenzene, ug/kg dw | 5.9U |
| Styrene, ug/kg dw | 5.9U |
| Xylenes, Total, ug/kg dw | 5.9U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.9U |
| Surrogate - Toluene-d8 | 98 % |
| Surrogate - 4-Bromofluorobenzene | 88 % |
| Surrogate - Dibromofluoromethane | 93 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 4600U |
| Butylbenzylphthalate, ug/kg dw | 4600U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 4600U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 4600U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 4600U |
| Di-n-butylphthalate, ug/kg dw | 4600U |
| Diethylphthalate, ug/kg dw | 4600U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 4600U |
| Dimethylphthalate, ug/kg dw | 4600U |
| Cresol, m & p, ug/kg dw | 4600U |
| Cresol (ortho), ug/kg dw | 4600U |
| 2,4-Dimethylphenol, ug/kg dw | 4600U |
| 2,4-Dinitrophenol, ug/kg dw | 23000U |
| Phenol, ug/kg dw | 4600U |
| Pyridine, ug/kg dw | 4600U |
| 1,4-Dioxane, ug/kg dw | 4600U |
| 1-Methylnaphthalene, ug/kg dw | 4600U |
| Quinoline, ug/kg dw | 4600U |
| Benzenethiol, ug/kg dw | 4600U |
| Surrogate - Phenol-d5 | 61 % |
| Surrogate - 2-Fluorophenol | 70 % |
| Surrogate - 2,4,6-Tribromophenol | 61 % |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 58 % |
| Surrogate - 2-Fluorobiphenyl | 68 % |
| Surrogate - Terphenyl-d14 | 62 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1109A |

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Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 | | |
|---|---|---|---|
| Polynuclear Aromatics (8310) | | | |
| Acenaphthene, ug/kg dw | 120U | | |
| Anthracene, ug/kg dw | 27 | | |
| Benzo(a)anthracene, ug/kg dw | 9.6U | | |
| Benzo(a)pyrene, ug/kg dw | 9.6U | | |
| Benzo(b)fluoranthene, ug/kg dw | 9.6U | | |
| Benzo(g,h,i)perylene, ug/kg dw | 24U | | |
| Benzo(k)fluoranthene, ug/kg dw | 9.6U | | |
| Chrysene, ug/kg dw | 9.6U | | |
| Dibenzo(a,h)anthracene, ug/kg dw | 24U | | |
| Fluoranthene, ug/kg dw | 24U | | |
| Fluorene, ug/kg dw | 24U | | |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 24U | | |
| Naphthalene, ug/kg dw | 48U | | |
| Phenanthrene, ug/kg dw | 16 | | |
| Pyrene, ug/kg dw | 24U | | |
| Surrogate - Terphenyl-d14 | 70 % | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.09.99 | | |
| Analysis Date | 11.16.99 | | |
| Batch ID | 1109J | | |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS303022110499 00S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 6.93 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.09.99 |
| Batch ID | 1109Y |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 5200 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| Antimony (6010) | |
| Antimony, mg/kg dw | 15UN U5 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Arsenic (6010) | |
| Arsenic, mg/kg dw | 3.4 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| **Barium (6010)** | |
| Barium, mg/kg dw | 91 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.58 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.61U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 22 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 12U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 9.5 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 24 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 29 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-8 | SS30302211049900S | 11-04-99/14:30 | WRR001 |

| PARAMETER | 17482-8 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.46U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 82 |

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17515
Received: 06 NOV 99
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 4.8U |
| Chloroform, ug/kg dw | 4.8U |
| 1,2-Dichloroethane, ug/kg dw | 4.8U |
| 2-Butanone (MEK), ug/kg dw | 97U |
| Benzene, ug/kg dw | 4.8U |
| Toluene, ug/kg dw | 4.8U |
| Chlorobenzene, ug/kg dw | 4.8U |
| Ethylbenzene, ug/kg dw | 4.8U |
| Styrene, ug/kg dw | 4.8U |
| Xylenes, Total, ug/kg dw | 4.8U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 4.8U |
| Surrogate - Toluene-d8 | 92 % |
| Surrogate - 4-Bromofluorobenzene | 81 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Contract No.: S7219
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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 740U |
| Butylbenzylphthalate, ug/kg dw | 740U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 740U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 740U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 740U |
| Di-n-butylphthalate, ug/kg dw | 740U |
| Diethylphthalate, ug/kg dw | 740U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 740U |
| Dimethylphthalate, ug/kg dw | 740U |
| Cresol, m & p, ug/kg dw | 740U |
| Cresol (ortho), ug/kg dw | 740U |
| 2,4-Dimethylphenol, ug/kg dw | 740U |
| 2,4-Dinitrophenol, ug/kg dw | 3700U |
| Phenol, ug/kg dw | 740U |
| Pyridine, ug/kg dw | 740U |
| 1,4-Dioxane, ug/kg dw | 740U |
| 1-Methylnaphthalene, ug/kg dw | 740U |
| Quinoline, ug/kg dw | 740U |
| Benzenethiol, ug/kg dw | 740U |
| Surrogate - Phenol-d5 | 40 % |
| Surrogate - 2-Fluorophenol | 49 % |
| Surrogate - 2,4,6-Tribromophenol | 46 % |

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Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 40 % |
| Surrogate - 2-Fluorobiphenyl | 46 % |
| Surrogate - Terphenyl-d14 | 47 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109B |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS304001110599 00S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 55U |
| Anthracene, ug/kg dw | 9.5 |
| Benzo(a)anthracene, ug/kg dw | 28 |
| Benzo(a)pyrene, ug/kg dw | 21P |
| Benzo(b)fluoranthene, ug/kg dw | 27 |
| Benzo(g,h,i)perylene, ug/kg dw | 43 |
| Benzo(k)fluoranthene, ug/kg dw | 6.6P |
| Chrysene, ug/kg dw | 42 |
| Dibenzo(a,h)anthracene, ug/kg dw | 30P |
| Fluoranthene, ug/kg dw | 32P |
| Fluorene, ug/kg dw | 11U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 11U |
| Naphthalene, ug/kg dw | 22U |
| Phenanthrene, ug/kg dw | 62 |
| Pyrene, ug/kg dw | 34P |
| Surrogate - Terphenyl-d14 | 128 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1109J |

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 | |
|---|---|---|
| **Antimony (6010)** | | |
| Antimony, mg/kg dw | 13UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Arsenic (6010)** | | |
| Arsenic, mg/kg dw | 3.5 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Barium (6010)** | | |
| Barium, mg/kg dw | 74 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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Received: 06 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.32 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.45U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 20 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Cobalt (6010) | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Lead (6010) | |
| Lead, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Nickel (6010) | |
| Nickel, mg/kg dw | 13 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 21 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-1 | SS30400111059900S | 11-05-99/10:35 | WRR001 |

| PARAMETER | 17515-1 |
|---|---|
| Percent Solids | 89 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 | | |
|---|---|---|---|
| Volatiles by GC/MS (8260) | | | |
| Carbon disulfide, ug/kg dw | 6.3U | | |
| Chloroform, ug/kg dw | 6.3U | | |
| 1,2-Dichloroethane, ug/kg dw | 6.3U | | |
| 2-Butanone (MEK), ug/kg dw | 160U | | |
| Benzene, ug/kg dw | 6.3U | | |
| Toluene, ug/kg dw | 6.3U | | |
| Chlorobenzene, ug/kg dw | 6.3U | | |
| Ethylbenzene, ug/kg dw | 6.3U | | |
| Styrene, ug/kg dw | 6.3U | | |
| Xylenes, Total, ug/kg dw | 6.3U | | |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.3U | | |
| Surrogate - Toluene-d8 | 92 % | | |
| Surrogate - 4-Bromofluorobenzene | 84 % | | |
| Surrogate - Dibromofluoromethane | 97 % | | |
| Dilution Factor | 1.0 | | |
| Analysis Date | 11.10.99 | | |
| Batch ID | 1M1110 | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 7400U |
| Butylbenzylphthalate, ug/kg dw | 7400U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 7400U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 7400U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 7400U |
| Di-n-butylphthalate, ug/kg dw | 7400U |
| Diethylphthalate, ug/kg dw | 7400U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 7400U |
| Dimethylphthalate, ug/kg dw | 7400U |
| Cresol, m & p, ug/kg dw | 7400U |
| Cresol (ortho), ug/kg dw | 7400U |
| 2,4-Dimethylphenol, ug/kg dw | 7400U |
| 2,4-Dinitrophenol, ug/kg dw | 37000U |
| Phenol, ug/kg dw | 7400U |
| Pyridine, ug/kg dw | 7400U |
| 1,4-Dioxane, ug/kg dw | 7400U |
| 1-Methylnaphthalene, ug/kg dw | 7400U |
| Quinoline, ug/kg dw | 7400U |
| Benzenethiol, ug/kg dw | 7400U |
| Surrogate - Phenol-d5 | 39 % |
| Surrogate - 2-Fluorophenol | 50 % |
| Surrogate - 2,4,6-Tribromophenol | 50 % |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 53 % |
| Surrogate - Terphenyl-d14 | 53 % |
| Dilution Factor | 10.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109B |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 560U |
| Anthracene, ug/kg dw | 44U |
| Benzo(a)anthracene, ug/kg dw | 280P |
| Benzo(a)pyrene, ug/kg dw | 54P |
| Benzo(b)fluoranthene, ug/kg dw | 62P |
| Benzo(g,h,i)perylene, ug/kg dw | 110U |
| Benzo(k)fluoranthene, ug/kg dw | 44U |
| Chrysene, ug/kg dw | 400P |
| Dibenzo(a,h)anthracene, ug/kg dw | 110U |
| Fluoranthene, ug/kg dw | 110U |
| Fluorene, ug/kg dw | 110U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 110U |
| Naphthalene, ug/kg dw | 220U |
| Phenanthrene, ug/kg dw | 44U |
| Pyrene, ug/kg dw | 110U |
| Surrogate - Terphenyl-d14 | Y |
| Dilution Factor | 10.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1109J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 | |
|---|---|---|
| **Antimony (6010)** | | |
| Antimony, mg/kg dw | 14UN | UJ |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Arsenic (6010)** | | |
| Arsenic, mg/kg dw | 3.6 | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |
| **Barium (6010)** | | |
| Barium, mg/kg dw | 45U | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.10.99 | |
| Analysis Date | 11.11.99 | |
| Batch ID | 1110A | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.34 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.45U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 14 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 11U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 9.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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|---|---|---|---|
| 17515-2 | SS30400411059900S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| Selenium (6010) | |
| Selenium, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Vanadium (6010) | |
| Vanadium, mg/kg dw | 17 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-2 | SS304004110599 00S | 11-05-99/11:00 | WRR001 |

| PARAMETER | 17515-2 |
|---|---|
| Percent Solids | 88 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.1U |
| Chloroform, ug/kg dw | 5.1U |
| 1,2-Dichloroethane, ug/kg dw | 5.1U |
| 2-Butanone (MEK), ug/kg dw | 100U |
| Benzene, ug/kg dw | 5.1U |
| Toluene, ug/kg dw | 5.1U |
| Chlorobenzene, ug/kg dw | 5.1U |
| Ethylbenzene, ug/kg dw | 5.1U |
| Styrene, ug/kg dw | 5.1U |
| Xylenes, Total, ug/kg dw | 5.1U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.1U |
| Surrogate - Toluene-d8 | 98 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS304020111059005 | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 760U |
| Butylbenzylphthalate, ug/kg dw | 760U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 760U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 760U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 760U |
| Di-n-butylphthalate, ug/kg dw | 760U |
| Diethylphthalate, ug/kg dw | 760U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 760U |
| Dimethylphthalate, ug/kg dw | 760U |
| Cresol, m & p, ug/kg dw | 760U |
| Cresol (ortho), ug/kg dw | 760U |
| 2,4-Dimethylphenol, ug/kg dw | 760U |
| 2,4-Dinitrophenol, ug/kg dw | 3800U |
| Phenol, ug/kg dw | 760U |
| Pyridine, ug/kg dw | 760U |
| 1,4-Dioxane, ug/kg dw | 760U |
| 1-Methylnaphthalene, ug/kg dw | 760U |
| Quinoline, ug/kg dw | 760U |
| Benzenethiol, ug/kg dw | 760U |
| Surrogate - Phenol-d5 | 50 % |
| Surrogate - 2-Fluorophenol | 58 % |
| Surrogate - 2,4,6-Tribromophenol | 53 % |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 53 % |
| Surrogate - Terphenyl-d14 | 58 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109B |

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LOG NO: S9-17515
Received: 06 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
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2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 60U |
| Anthracene, ug/kg dw | 82 |
| Benzo(a)anthracene, ug/kg dw | 53P |
| Benzo(a)pyrene, ug/kg dw | 6.9P |
| Benzo(b)fluoranthene, ug/kg dw | 12P |
| Benzo(g,h,i)perylene, ug/kg dw | 21P |
| Benzo(k)fluoranthene, ug/kg dw | 4.7U |
| Chrysene, ug/kg dw | 54 |
| Dibenzo(a,h)anthracene, ug/kg dw | 12U |
| Fluoranthene, ug/kg dw | 32P |
| Fluorene, ug/kg dw | 22 |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 12U |
| Naphthalene, ug/kg dw | 24U |
| Phenanthrene, ug/kg dw | 150 |
| Pyrene, ug/kg dw | 73P |
| Surrogate - Terphenyl-d14 | Z |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1109J |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| **Antimony (6010)** | |
| Antimony, mg/kg dw | 14UN 15 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Arsenic (6010)** | |
| Arsenic, mg/kg dw | 2.8 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Barium (6010)** | |
| Barium, mg/kg dw | 85 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.43 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.47U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 16 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 12U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 6.2 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 14 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 26 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.43U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| **Cyanide, Total (9010), mg/kg dw** | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

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Contract No.: S7219
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Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-3 | SS30402011105900S | 11-05-99/11:25 | WRR001 |

| PARAMETER | 17515-3 |
|---|---|
| Percent Solids | 85 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS306001110599 00S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/kg dw | 5.4U |
| Chloroform, ug/kg dw | 5.4U |
| 1,2-Dichloroethane, ug/kg dw | 5.4U |
| 2-Butanone (MEK), ug/kg dw | 110U |
| Benzene, ug/kg dw | 5.4U |
| Toluene, ug/kg dw | 5.4U |
| Chlorobenzene, ug/kg dw | 5.4U |
| Ethylbenzene, ug/kg dw | 5.4U |
| Styrene, ug/kg dw | 5.4U |
| Xylenes, Total, ug/kg dw | 5.4U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.4U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 2M1109 |

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Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS306001110599 00S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 680U |
| Butylbenzylphthalate, ug/kg dw | 680U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw | 680U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw | 680U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw | 680U |
| Di-n-butylphthalate, ug/kg dw | 680U |
| Diethylphthalate, ug/kg dw | 680U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 680U |
| Dimethylphthalate, ug/kg dw | 680U |
| Cresol, m & p, ug/kg dw | 680U |
| Cresol (ortho), ug/kg dw | 680U |
| 2,4-Dimethylphenol, ug/kg dw | 680U |
| 2,4-Dinitrophenol, ug/kg dw | 3400U |
| Phenol, ug/kg dw | 680U |
| Pyridine, ug/kg dw | 680U |
| 1,4-Dioxane, ug/kg dw | 680U |
| 1-Methylnaphthalene, ug/kg dw | 680U |
| Quinoline, ug/kg dw | 680U |
| Benzenethiol, ug/kg dw | 680U |
| Surrogate - Phenol-d5 | 53 % |
| Surrogate - 2-Fluorophenol | 65 % |
| Surrogate - 2,4,6-Tribromophenol | 62 % |

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Contract No.: S7219
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Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 51 % |
| Surrogate - 2-Fluorobiphenyl | 59 % |
| Surrogate - Terphenyl-d14 | 59 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109B |

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Contract No.: S7219
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Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 50U |
| Anthracene, ug/kg dw | 15 |
| Benzo(a)anthracene, ug/kg dw | 4.2P |
| Benzo(a)pyrene, ug/kg dw | 4.0U |
| Benzo(b)fluoranthene, ug/kg dw | 4.0U |
| Benzo(g,h,i)perylene, ug/kg dw | 11 |
| Benzo(k)fluoranthene, ug/kg dw | 4.0U |
| Chrysene, ug/kg dw | 7.4P |
| Dibenzo(a,h)anthracene, ug/kg dw | 10U |
| Fluoranthene, ug/kg dw | 10U |
| Fluorene, ug/kg dw | 10U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 10U |
| Naphthalene, ug/kg dw | 20U |
| Phenanthrene, ug/kg dw | 13 |
| Pyrene, ug/kg dw | 13P |
| Surrogate - Terphenyl-d14 | 90 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1109J |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 | | |
|---|---|---|---|
| pH in Soil (9045) | | | |
| pH, units | 8.52 | | |
| Prep Date | 11.09.99 | | |
| Analysis Date | 11.09.99 | | |
| Batch ID | 1109Y | | |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 1100 | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.19.99 | | |
| Analysis Date | 11.19.99 | | |
| Batch ID | 1119X | | |
| Antimony (6010) | | | |
| Antimony, mg/kg dw | 12UN | UJ | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.10.99 | | |
| Analysis Date | 11.11.99 | | |
| Batch ID | 1110A | | |
| Arsenic (6010) | | | |
| Arsenic, mg/kg dw | 2.0 | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.10.99 | | |
| Analysis Date | 11.11.99 | | |
| Batch ID | 1110A | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| **Barium (6010)** | |
| Barium, mg/kg dw | 42U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.10 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.42U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS306001110599 00S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 12 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Cobalt (6010)** | |
| Cobalt, mg/kg dw | 10U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Lead (6010)** | |
| Lead, mg/kg dw | 4.2 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| **Nickel (6010)** | |
| Nickel, mg/kg dw | 10 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.0U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 10U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.11.99 |
| Batch ID | 1110A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-4 | SS30600111059900S | 11-05-99/12:00 | WRR001 |

| PARAMETER | 17515-4 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.40U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Cyanide, Total (9010), mg/kg dw | 1.0U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |
| Percent Solids | 96 |

Elizabeth F. Beauchamp, Project Manager

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Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/l | 5.0U |
| Chloroform, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| 2-Butanone (MEK), ug/l | 25U |
| Benzene, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Styrene, ug/l | 5.0U |
| Xylenes, Total, ug/l | 5.0U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| Surrogate - Toluene-d8 | 102 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

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LOG NO: S9-17515
Received: 06 NOV 99
Reported: 21 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| bis(2-Ethylhexyl)phthalate, ug/l | 10U |
| Butylbenzylphthalate, ug/l | 10U |
| 1,3-Dichlorobenzene (m-Dichlorobenzene), ug/l | 10U |
| 1,4-Dichlorobenzene (p-Dichlorobenzene), ug/l | 10U |
| 1,2-Dichlorobenzene (o-Dichlorobenzene), ug/l | 10U |
| Di-n-butylphthalate, ug/l | 10U |
| Diethylphthalate, ug/l | 10U |
| 7,12-Dimethylbenz(a)anthracene, ug/l | 10U |
| Dimethylphthalate, ug/l | 10U |
| Cresol, m & p, ug/l | 10U |
| Cresol (ortho), ug/l | 10U |
| 2,4-Dimethylphenol, ug/l | 10U |
| 2,4-Dinitrophenol, ug/l | 50U |
| Phenol, ug/l | 10U |
| Pyridine, ug/l | 50U |
| 1,4-Dioxane, ug/l | 10U |
| 1-Methylnaphthalene, ug/l | 10U |
| Quinoline, ug/l | 50U |
| Benzenethiol, ug/l | 50U |
| Surrogate - Phenol-d5 | 83 % |
| Surrogate - 2-Fluorophenol | 76 % |
| Surrogate - 2,4,6-Tribromophenol | 94 % |

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Received: 06 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| Surrogate - Nitrobenzene - d5 | 90 % |
| Surrogate - 2-Fluorobiphenyl | 94 % |
| Surrogate - Terphenyl-d14 | 88 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.13.99 |
| Batch ID | 1110B |

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Received: 06 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/l | 1.0U |
| Anthracene, ug/l | 0.20U |
| Benzo(a)anthracene, ug/l | 0.20U |
| Benzo(a)pyrene, ug/l | 0.20U |
| Benzo(b)fluoranthene, ug/l | 0.20U |
| Benzo(g,h,i)perylene, ug/l | 0.50U |
| Benzo(k)fluoranthene, ug/l | 0.20U |
| Chrysene, ug/l | 0.20U |
| Dibenzo(a,h)anthracene, ug/l | 0.20U |
| Fluoranthene, ug/l | 0.50U |
| Fluorene, ug/l | 0.50U |
| Indeno(1,2,3-cd)pyrene, ug/l | 0.20U |
| Naphthalene, ug/l | 1.0U |
| Phenanthrene, ug/l | 0.20U |
| Pyrene, ug/l | 0.50U |
| Surrogate - Terphenyl-d14 | 92 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1109K |

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LOG NO: S9-17515
Received: 06 NOV 99
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| **Antimony (6010)** | |
| Antimony, mg/l | 0.12U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Arsenic (6010)** | |
| Arsenic, mg/l | 0.0030U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Barium (6010)** | |
| Barium, mg/l | 0.40U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |

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LOG NO: S9-17515
Received: 06 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/l | 0.00060U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Cadmium (6010)** | |
| Cadmium, mg/l | 0.0040U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Chromium (6010)** | |
| Chromium, mg/l | 0.020U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |

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LOG NO: S9-17515
Received: 06 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| Cobalt (6010) | |
| Cobalt, mg/l | 0.10U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| Lead (6010) | |
| Lead, mg/l | 0.010U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| Nickel (6010) | |
| Nickel, mg/l | 0.080U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |

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LOG NO: S9-17515
Received: 06 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-5 | W3050011105990EB | 11-05-99/10:00 | WRR001 |

| PARAMETER | 17515-5 |
|---|---|
| **Selenium (6010)** | |
| Selenium, mg/l | 0.010U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Vanadium (6010)** | |
| Vanadium, mg/l | 0.10U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |
| **Mercury (7471)** | |
| Mercury, mg/l | 0.0032U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110R |
| **Cyanide, Total (9010), mg/l** | 0.010U |
| Dilution Factor | 1.0 |
| Prep Date | 11.11.99 |
| Analysis Date | 11.12.99 |
| Batch ID | 1111S |

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17427
Received: 04 NOV 99
Reported: 21 DEC 99

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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17427-6 | TB-001 | 11-03-99 | WRR001 |

| PARAMETER | 17427-6 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/l | 5.0U |
| Chloroform, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| 2-Butanone (MEK), ug/l | 25U |
| Benzene, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Styrene, ug/l | 5.0U |
| Xylenes, Total, ug/l | 5.0U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 98 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

CLP data qualifiers have been utilized. See attached definitions of standard data flags.

P,X = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC columns confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth E. Beauchamp, Project Manager

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LOG NO: S9-17482
Received: 05 NOV 99
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-10 | TB-002 | 11-04-99 | WRR001 |

| PARAMETER | 17482-10 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/l | 5.0U |
| Chloroform, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| 2-Butanone (MEK), ug/l | 25U |
| Benzene, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Styrene, ug/l | 5.0U |
| Xylenes, Total, ug/l | 5.0U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

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LOG NO: S9-17482
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150600111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17482-10 | TB-002 | 11-04-99 | WRR001 |

| PARAMETER | 17482-10 |
|---|---|

CLP data qualifiers have been utilized. See attached definitions for standard flags.

P,X = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC columns confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Y = Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17515
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-6 | TB-003 | 11-05-99 | WRR001 |

| PARAMETER | 17515-6 |
|---|---|
| Volatiles by GC/MS (8260) | |
| Carbon disulfide, ug/l | 5.0U |
| Chloroform, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| 2-Butanone (MEK), ug/l | 25U |
| Benzene, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Styrene, ug/l | 5.0U |
| Xylenes, Total, ug/l | 5.0U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| Surrogate - Toluene-d8 | 98 % |
| Surrogate - 4-Bromofluorobenzene | 94 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.10.99 |
| Batch ID | 1M1110 |

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LOG NO: S9-17515
Received: 06 NOV 99
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Contract No.: S7219
Project: WRR001/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 150800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515-6 | TB-003 | 11-05-99 | WRR001 |

| PARAMETER | 17515-6 |
|---|---|

Methods: EPA SW-846, Update III.

Z = Surrogate recoveries outside QC limits due to coeluting matrix interference.

*F65 = Elevated detection limits were reported due to sample matrix interference which required sample or extract dilution.

P,X = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC columns confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

# ORGANIC DATA ASSESSMENT

PROJECT NO. 2389C8602F.01 - 0D200
LABORATORY . STL- Savannah
LABORATORY NO. S7219 (WR002)
NO. OF SAMPLES/
MATRIX 20 Soils

SITE WRRC – SWMUs S,T, V

REVIEWER URS Corporation
REVIEWER'S NAME
COMPLETION DATE 1/19/00

## DATA ASSESSMENT WORKSHEET

| | (VOCs) Meth # 8260 | (SVOCs) Meth # 8270 | (PAHs) Meth # 8310 | Meth # | (TOC) Meth # Walkley-Black |
|---|---|---|---|---|---|
| 1. HOLDING TIMES | ✓ | ✓ | ✓ | | ✓ |
| 2. BLANKS | ✓ | ✓ | ✓ | | ✓ |
| 3. SURROGATES | ✓ | ✓ | (3) | | N/A |
| 4. SCS (LCS) | ✓ | ✓ | ✓ | | ✓ |
| 5. DCS (LSCD) | N/A | N/A | ✓ | | N/A |
| 6. MATIX SPIKE/DUP | (1) | ✓ | (4) | | N/A |
| 7. DILUTIONS | ✓ | (2) | (5) | | ✓ |
| 8. DUPLICATES | ✓ | ✓ | ✓ | | ✓ |
| 9. OVERALL ASSESSMENT | O | O | O/X | | O |

O = Data has no problems/or qualified due to minor problems.
M = Data qualified due to major problems.
Z = Data unacceptable.
X = Problems, but do not affect data

ACTION ITEMS:

COMMENTS: (1) MSD recovery for chlorobenzene is low. However, since the LCS recoveries, and MS recoveries/RPDs are within limits, no action is necessary.
(2) Samples SS321004, SS369005, SS369005D, SS367008, and SS368006 were diluted (in the extract) by 6x's, however no action is necessary.
(3) Surrogate recoveries were outside control limits for samples SS367008, SS367008(DL), SS369005, SS369005D, SS321004(DL), and SS368006 due to abundance of target analyte, or no recoveries at all due to dilutions. However, since the LCS/LCSD recoveries/RPDs were within control limits, no action is necessary.
(4) MS/MSD recoveries were low for naphthalene. However, since the LCS/LCSD recoveries/RPDs were within control limits, no action is necessary.
(5) Samples SS321004, SS367008, and SS369005D were diluted by 10x's, and SS368006 by 5x's, however no action is necessary.

# INORGANIC DATA ASSESSMENT

PROJECT NO. 2389C8602F.01 - 0D200
LABORATORY . STL- Savannah
LABORATORY NO. S7219 (WR002)
NO. OF SAMPLES/
MATRIX 20 Soils

SITE WRRC – SWMUs S,T, V

REVIEWER URS Corporation
REVIEWER'S NAME
COMPLETION DATE 1/19/00

## DATA ASSESSMENT WORKSHEET

| | (Metals) Meth # 6010 | (Mercury) Meth # 7471 | Meth # | (Cyanide) Meth # 9010 | (Sulfide) Meth # 9030 |
|---|---|---|---|---|---|
| 1. HOLDING TIMES | ✓ | ✓ | | ✓ | ✓ |
| 2. BLANKS | ✓ | ✓ | | (10) | ✓ |
| 3. DUPLICATES | ✓ | ✓ | | ✓ | ✓ |
| 4. SCS (LCS) | ✓ | ✓ | | ✓ | ✓ |
| 5. DCS (LSCD) | N/A | N/A | | N/A | ✓ |
| 6. MATIX SPIKE/DUP | (6) | (8) | | ✓ | ✓ |
| 7. DILUTIONS | (7) | (9) | | ✓ | ✓ |
| 8. | O | O | | O | O |

O = Data has no problems/or qualified due to minor problems.
M = Data qualified due to major problems.
Z = Data unacceptable.
X = Problems, but do not affect data

ACTION ITEMS: (10) Cyanide was detected in method blanks 1119T and 1123S. Therefore, all detects <5x's the method blank results were qualified as non-detect.

COMMENTS: (6) Spike recoveries for chromium and antimony were high. However, since the LCS recoveries were within control limits, no action is necessary.
(7) Samples SS358004 and SS364004 were diluted by 10x's for antimony, and SS367008 by 5x's and SS358004 by 20x's for various other compounds, however, no action is necessary.
(8) MS recovery for mercury in SS364004 is low. However, the spike amount added is <4x's the original sample result. Therefore, the % recovery does not apply, and no action is necessary.
(9) Samples SS370008 and SS364004 were diluted by 10x's and SS367008 by 2x's, however, no action is necessary.

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LOG NO: S9-17515A
Received: 06 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1-R | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1-RE |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 210U |
| Acetone, ug/kg dw | 53U |
| Benzene, ug/kg dw | 5.3U |
| Bromodichloromethane, ug/kg dw | 5.3U |
| Bromomethane (Methyl bromide), ug/kg dw | 11U |
| Carbon disulfide, ug/kg dw | 5.3U |
| Chlorobenzene, ug/kg dw | 5.3U |
| Dibromochloromethane, ug/kg dw | 5.3U |
| Chloroethane, ug/kg dw | 11U |
| Chloromethane (Methyl chloride), ug/kg dw | 11U |
| Chloroform, ug/kg dw | 5.3U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 5.3U |
| Chloroprene, ug/kg dw | 5.3U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 11U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 5.3U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 5.3U |
| Dichlorodifluoromethane, ug/kg dw | 5.3U |
| 1,1-Dichloroethane, ug/kg dw | 5.3U |
| 1,2-Dichloroethane, ug/kg dw | 5.3U |
| trans-1,2-Dichloroethene, ug/kg dw | 5.3U |
| 1,1-Dichloroethylene, ug/kg dw | 5.3U |
| Methylene chloride (Dichloromethane), ug/kg dw | 5.3U |

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LOG NO: S9-17515A
Received: 06 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1-R | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1-RE |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 5.3U |
| cis-1,3-Dichloropropene, ug/kg dw | 5.3U |
| trans-1,3-Dichloropropene, ug/kg dw | 5.3U |
| Ethylbenzene, ug/kg dw | 5.3U |
| Methyl ethyl ketone, ug/kg dw | 26U |
| Iodomethane (Methyl iodide), ug/kg dw | 5.3U |
| Methacrylonitrile, ug/kg dw | 110U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 26U |
| Pentachloroethane, ug/kg dw | 26U |
| Styrene, ug/kg dw | 5.3U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 5.3U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 5.3U |
| Tetrachloroethene, ug/kg dw | 5.3U |
| Carbon tetrachloride, ug/kg dw | 5.3U |
| Toluene, ug/kg dw | 5.3U |
| Bromoform, ug/kg dw | 5.3U |
| 1,1,2-Trichloroethane, ug/kg dw | 5.3U |
| 1,1,1-Trichloroethane, ug/kg dw | 5.3U |
| Trichloroethene, ug/kg dw | 22 17U |
| Trichlorofluoromethane, ug/kg dw | 5.3U |
| 1,2,3-Trichloropropane, ug/kg dw | 5.3U |
| Vinyl acetate, ug/kg dw | 11U |
| Vinyl chloride, ug/kg dw | 11U |

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|---|---|---|---|
| 17515A-1-R | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1-RE |
|---|---|
| Xylenes, Total, ug/kg dw | 11U |
| 2-Hexanone, ug/kg dw | 26U |
| Propionitrile, ug/kg dw | 110U |
| Methyl methacrylate, ug/kg dw | 5.3U |
| Acrolein (Propenal), ug/kg dw | 110U |
| Acrylonitrile, ug/kg dw | 110U |
| Ethyl methacrylate, ug/kg dw | 5.3U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 210U |
| Dibromomethane, ug/kg dw | 5.3U |
| cis-1,2-Dichloroethene | 5.3U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 77 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 350U |
| 2-Acetylaminofluorene, ug/kg dw | 350U |
| 4-Aminobiphenyl, ug/kg dw | 350U |
| Aniline, ug/kg dw | 350U |
| Aramite (total), ug/kg dw | 350U |
| Benzyl alcohol, ug/kg dw | 350U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 350U |
| bis(2-Chloroethyl)ether, ug/kg dw | 350U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 350U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 350U |
| 4-Bromophenylphenyl ether, ug/kg dw | 350U |
| Butylbenzylphthalate, ug/kg dw | 350U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 700U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 350U |
| 2-Chloronaphthalene, ug/kg dw | 350U |
| 2-Chlorophenol, ug/kg dw | 350U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 350U |
| Cresol, m & p, ug/kg dw | 350U |
| Cresol (ortho), ug/kg dw | 350U |
| Diallate, Total, ug/kg dw | 350U |
| Dibenzofuran, ug/kg dw | 350U |

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|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 | | |
|---|---|---|---|
| Di-n-butylphthalate, ug/kg dw | 350U | | |
| 3,3'-Dichlorobenzidine, ug/kg dw | 700U | | |
| 2,4-Dichlorophenol, ug/kg dw | 350U | | |
| 2,6-Dichlorophenol, ug/kg dw | 350U | | |
| Diethylphthalate, ug/kg dw | 350U | | |
| p-(Dimethylamino)azobenzene, ug/kg dw | 350U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 350U | | |
| 3,3'-Dimethylbenzidine, ug/kg dw | 700U | | |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 70000U | | |
| 2,4-Dimethylphenol, ug/kg dw | 350U | | |
| Dimethylphthalate, ug/kg dw | 350U | | |
| m-Dinitrobenzene , ug/kg dw | 350U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 1800U | | |
| 2,4-Dinitrophenol, ug/kg dw | 1800U | | |
| 2,4-Dinitrotoluene, ug/kg dw | 350U | | |
| 2,6-Dinitrotoluene, ug/kg dw | 350U | | |
| Di-n-octylphthalate, ug/kg dw | 350U | | |
| 1,4-Dioxane, ug/kg dw | 350U | | |
| Ethyl methanesulfonate, ug/kg dw | 350U | | |
| Hexachlorobenzene, ug/kg dw | 350U | | |
| Hexachlorobutadiene, ug/kg dw | 350U | | |
| Hexachlorocyclopentadiene, ug/kg dw | 350U | | |

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|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Hexachloroethane, ug/kg dw | 350U |
| Hexachlorophene, ug/kg dw | 21000U |
| Hexachloropropene, ug/kg dw | 350U |
| Isophorone, ug/kg dw | 350U |
| Isosafrole, ug/kg dw | 350U |
| Methapyrilene, ug/kg dw | 7000U |
| 3-Methylcholanthrene, ug/kg dw | 350U |
| Methyl methanesulfonate, ug/kg dw | 350U |
| 2-Methylnaphthalene, ug/kg dw | 350U |
| 1,4-Naphthoquinone, ug/kg dw | 350U |
| 1-Naphthylamine, ug/kg dw | 350U |
| 2-Naphthylamine, ug/kg dw | 350U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 1800U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 1800U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 1800U |
| Nitrobenzene, ug/kg dw | 350U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 350U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 1800U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 3500U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 350U |
| N-Nitrosodiethylamine, ug/kg dw | 350U |
| N-Nitrosodimethylamine, ug/kg dw | 350U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 350U |

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|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 350U |
| N-Nitrosomethylethylamine, ug/kg dw | 350U |
| N-Nitrosomorpholine, ug/kg dw | 350U |
| N-Nitrosopiperidine, ug/kg dw | 350U |
| N-Nitrosopyrrolidine, ug/kg dw | 350U |
| 5-Nitro-o-toluidine, ug/kg dw | 350U |
| Pentachlorobenzene, ug/kg dw | 350U |
| Pentachlorophenol, ug/kg dw | 1800U |
| Phenacetin, ug/kg dw | 350U |
| Phenol, ug/kg dw | 350U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 1800U |
| 2-Picoline, ug/kg dw | 350U |
| Pronamide, ug/kg dw | 350U |
| Pyridine, ug/kg dw | 350U |
| Safrole, ug/kg dw | 350U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 350U |
| o-Toluidine, ug/kg dw | 350U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 350U |
| 2,4,5-Trichlorophenol, ug/kg dw | 350U |
| 2,4,6-Trichlorophenol, ug/kg dw | 350U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 350U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 350U |
| Famphur, ug/kg dw | 350U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Dimethoate, ug/kg dw | 350U |
| Quinoline, ug/kg dw | 350U |
| Benzenethiol, ug/kg dw | 350U |
| Kepone, ug/kg dw | 350U |
| 1-Methylnaphthalene, ug/kg dw | 350U |
| Pentachloronitrobenzene, ug/kg dw | 350U |
| 1,2-Dichlorobenzene, ug/kg dw | 350U |
| 1,3-Dichlorobenzene, ug/kg dw | 350U |
| 1,4-Dichlorobenzene, ug/kg dw | 350U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 350U |
| Surrogate - Phenol-d5 | 46 % |
| Surrogate - 2-Fluorophenol | 51 % |
| Surrogate - 2,4,6-Tribromophenol | 57 % |
| Surrogate - Nitrobenzene-d5 | 42 % |
| Surrogate - 2-Fluorobiphenyl | 49 % |
| Surrogate - Terphenyl-d14 | 53 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1109B |

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|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 53U |
| Acenaphthylene, ug/kg dw | 23 |
| Anthracene, ug/kg dw | 12 |
| Benzo(a)anthracene, ug/kg dw | 6.6 |
| Benzo(a)pyrene, ug/kg dw | 4.2U |
| Benzo(b)fluoranthene, ug/kg dw | 4.2U |
| Benzo(g,h,i)perylene, ug/kg dw | 10U |
| Benzo(k)fluoranthene, ug/kg dw | 4.2U |
| Chrysene, ug/kg dw | 11 |
| Dibenzo(a,h)anthracene, ug/kg dw | 10U |
| Fluoranthene, ug/kg dw | 22 |
| Fluorene, ug/kg dw | 10U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 10U |
| Naphthalene, ug/kg dw | 21U |
| Phenanthrene, ug/kg dw | 24 |
| Pyrene, ug/kg dw | 38P |
| Surrogate - Terphenyl-d14 | 114 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.09.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1109J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.1UN |
| Arsenic, mg/kg dw | 2.3 |
| Barium, mg/kg dw | 130 |
| Beryllium, mg/kg dw | 0.25 |
| Cadmium, mg/kg dw | 0.59 |
| Chromium, mg/kg dw | 65 |
| Cobalt, mg/kg dw | 2.0 |
| Copper, mg/kg dw | 23 |
| Nickel, mg/kg dw | 9.3 |
| Lead, mg/kg dw | 32 |
| Selenium, mg/kg dw | 1.1U |
| Silver, mg/kg dw | 1.1U |
| Tin, mg/kg dw | 5.3U |
| Thallium, mg/kg dw | 1.1U |
| Vanadium, mg/kg dw | 11 |
| Zinc, mg/kg dw | 67 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.025U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.1U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115S |
| Sulfide (9030), mg/kg dw | 27U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 34000 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |

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|---|---|---|---|
| 17515A-1 | SS32100111059900S | 11-05-99/15:00 | WRR002 |

| PARAMETER | 17515A-1 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 7.95 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Z |
| Percent Solids | 94 |

Elizabeth F. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 250U |
| Acetone, ug/kg dw | 62U |
| Benzene, ug/kg dw | 6.2U |
| Bromodichloromethane, ug/kg dw | 6.2U |
| Bromomethane (Methyl bromide), ug/kg dw | 12U |
| Carbon disulfide, ug/kg dw | 6.2U |
| Chlorobenzene, ug/kg dw | 6.2U |
| Dibromochloromethane, ug/kg dw | 6.2U |
| Chloroethane, ug/kg dw | 12U |
| Chloromethane (Methyl chloride), ug/kg dw | 12U |
| Chloroform, ug/kg dw | 6.2U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.2U |
| Chloroprene, ug/kg dw | 6.2U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 12U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.2U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.2U |
| Dichlorodifluoromethane, ug/kg dw | 6.2U |
| 1,1-Dichloroethane, ug/kg dw | 6.2U |
| 1,2-Dichloroethane, ug/kg dw | 6.2U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.2U |
| 1,1-Dichloroethylene, ug/kg dw | 6.2U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.2U |

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|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.2U | | |
| cis-1,3-Dichloropropene, ug/kg dw | 6.2U | | |
| trans-1,3-Dichloropropene, ug/kg dw | 6.2U | | |
| Ethylbenzene, ug/kg dw | 6.2U | | |
| Methyl ethyl ketone, ug/kg dw | 31U | | |
| Iodomethane (Methyl iodide), ug/kg dw | 6.2U | | |
| Methacrylonitrile, ug/kg dw | 120U | | |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 31U | | |
| Pentachloroethane, ug/kg dw | 31U | | |
| Styrene, ug/kg dw | 6.2U | | |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.2U | | |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.2U | | |
| Tetrachloroethene, ug/kg dw | 6.2U | | |
| Carbon tetrachloride, ug/kg dw | 6.2U | | |
| Toluene, ug/kg dw | 6.2U | | |
| Bromoform, ug/kg dw | 6.2U | | |
| 1,1,2-Trichloroethane, ug/kg dw | 6.2U | | |
| 1,1,1-Trichloroethane, ug/kg dw | 6.2U | | |
| Trichloroethene, ug/kg dw | 9.8 | | |
| Trichlorofluoromethane, ug/kg dw | 6.2U | | |
| 1,2,3-Trichloropropane, ug/kg dw | 6.2U | | |
| Vinyl acetate, ug/kg dw | 12U | | |
| Vinyl chloride, ug/kg dw | 12U | | |

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LOG NO: S9-17515A
Received: 06 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Xylenes, Total, ug/kg dw | 12U |
| 2-Hexanone, ug/kg dw | 31U |
| Propionitrile, ug/kg dw | 120U |
| Methyl methacrylate, ug/kg dw | 6.2U |
| Acrolein (Propenal), ug/kg dw | 120U |
| Acrylonitrile, ug/kg dw | 120U |
| Ethyl methacrylate, ug/kg dw | 6.2U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 250U |
| Dibromomethane, ug/kg dw | 6.2U |
| cis-1,2-Dichloroethene | 6.2U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 94 % |
| Surrogate - Dibromofluoromethane | 94 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 2500U |
| 2-Acetylaminofluorene, ug/kg dw | 2500U |
| 4-Aminobiphenyl, ug/kg dw | 2500U |
| Aniline, ug/kg dw | 2500U |
| Aramite (total), ug/kg dw | 2500U |
| Benzyl alcohol, ug/kg dw | 2500U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 2500U |
| bis(2-Chloroethyl)ether, ug/kg dw | 2500U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 2500U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 2500U |
| 4-Bromophenylphenyl ether, ug/kg dw | 2500U |
| Butylbenzylphthalate, ug/kg dw | 2500U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 5000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 2500U |
| 2-Chloronaphthalene, ug/kg dw | 2500U |
| 2-Chlorophenol, ug/kg dw | 2500U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 2500U |
| Cresol, m & p, ug/kg dw | 2500U |
| Cresol (ortho), ug/kg dw | 2500U |
| Diallate, Total, ug/kg dw | 2500U |
| Dibenzofuran, ug/kg dw | 2500U |

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|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 2500U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 5000U |
| 2,4-Dichlorophenol, ug/kg dw | 2500U |
| 2,6-Dichlorophenol, ug/kg dw | 2500U |
| Diethylphthalate, ug/kg dw | 2500U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 2500U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 2500U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 5000U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 500000U |
| 2,4-Dimethylphenol, ug/kg dw | 2500U |
| Dimethylphthalate, ug/kg dw | 2500U |
| m-Dinitrobenzene , ug/kg dw | 2500U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 13000U |
| 2,4-Dinitrophenol, ug/kg dw | 13000U |
| 2,4-Dinitrotoluene, ug/kg dw | 2500U |
| 2,6-Dinitrotoluene, ug/kg dw | 2500U |
| Di-n-octylphthalate, ug/kg dw | 2500U |
| 1,4-Dioxane, ug/kg dw | 2500U |
| Ethyl methanesulfonate, ug/kg dw | 2500U |
| Hexachlorobenzene, ug/kg dw | 2500U |
| Hexachlorobutadiene, ug/kg dw | 2500U |
| Hexachlorocyclopentadiene, ug/kg dw | 2500U |

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|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Hexachloroethane, ug/kg dw | 2500U |
| Hexachlorophene, ug/kg dw | 150000U |
| Hexachloropropene, ug/kg dw | 2500U |
| Isophorone, ug/kg dw | 2500U |
| Isosafrole, ug/kg dw | 2500U |
| Methapyrilene, ug/kg dw | 50000U |
| 3-Methylcholanthrene, ug/kg dw | 2500U |
| Methyl methanesulfonate, ug/kg dw | 2500U |
| 2-Methylnaphthalene, ug/kg dw | 2500U |
| 1,4-Naphthoquinone, ug/kg dw | 2500U |
| 1-Naphthylamine, ug/kg dw | 2500U |
| 2-Naphthylamine, ug/kg dw | 2500U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 13000U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 13000U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 13000U |
| Nitrobenzene, ug/kg dw | 2500U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 2500U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 13000U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 25000U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 2500U |
| N-Nitrosodiethylamine, ug/kg dw | 2500U |
| N-Nitrosodimethylamine, ug/kg dw | 2500U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 2500U |

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|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 2500U |
| N-Nitrosomethylethylamine, ug/kg dw | 2500U |
| N-Nitrosomorpholine, ug/kg dw | 2500U |
| N-Nitrosopiperidine, ug/kg dw | 2500U |
| N-Nitrosopyrrolidine, ug/kg dw | 2500U |
| 5-Nitro-o-toluidine, ug/kg dw | 2500U |
| Pentachlorobenzene, ug/kg dw | 2500U |
| Pentachlorophenol, ug/kg dw | 13000U |
| Phenacetin, ug/kg dw | 2500U |
| Phenol, ug/kg dw | 2500U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 13000U |
| 2-Picoline, ug/kg dw | 2500U |
| Pronamide, ug/kg dw | 2500U |
| Pyridine, ug/kg dw | 2500U |
| Safrole, ug/kg dw | 2500U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 2500U |
| o-Toluidine, ug/kg dw | 2500U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 2500U |
| 2,4,5-Trichlorophenol, ug/kg dw | 2500U |
| 2,4,6-Trichlorophenol, ug/kg dw | 2500U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 2500U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 2500U |
| Famphur, ug/kg dw | 2500U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 | | |
|---|---|---|---|
| Dimethoate, ug/kg dw | 2500U | | |
| Quinoline, ug/kg dw | 2500U | | |
| Benzenethiol, ug/kg dw | 2500U | | |
| Kepone, ug/kg dw | 2500U | | |
| 1-Methylnaphthalene, ug/kg dw | 2500U | | |
| Pentachloronitrobenzene, ug/kg dw | 2500U | | |
| 1,2-Dichlorobenzene, ug/kg dw | 2500U | | |
| 1,3-Dichlorobenzene, ug/kg dw | 2500U | | |
| 1,4-Dichlorobenzene, ug/kg dw | 2500U | | |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 2500U | | |
| Surrogate - Phenol-d5 | 37 % | | |
| Surrogate - 2-Fluorophenol | 44 % | | |
| Surrogate - 2,4,6-Tribromophenol | 44 % | | |
| Surrogate - Nitrobenzene-d5 | 36 % | | |
| Surrogate - 2-Fluorobiphenyl | 48 % | | |
| Surrogate - Terphenyl-d14 | 50 % | | |
| Dilution Factor | 6.0 | | |
| Prep Date | 11.09.99 | | |
| Analysis Date | 11.16.99 | | |
| Batch ID | 1109B | | |

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Contract No.: S7219
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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 | |
|---|---|---|
| Polynuclear Aromatics (8310) | | |
| Acenaphthene, ug/kg dw | ~~13000EP~~ | 20000DP |
| Acenaphthylene, ug/kg dw | 300 | |
| Anthracene, ug/kg dw | 140 | |
| Benzo(a)anthracene, ug/kg dw | ~~350~~ | 460D |
| Benzo(a)pyrene, ug/kg dw | 270 | |
| Benzo(b)fluoranthene, ug/kg dw | ~~270~~ | 320D |
| Benzo(g,h,i)perylene, ug/kg dw | 430P | |
| Benzo(k)fluoranthene, ug/kg dw | 120 | |
| Chrysene, ug/kg dw | ~~490~~ | 580D |
| Dibenzo(a,h)anthracene, ug/kg dw | 71U | |
| Fluoranthene, ug/kg dw | ~~630P~~ | 820D |
| Fluorene, ug/kg dw | 71U | |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 160P | |
| Naphthalene, ug/kg dw | 140U | |
| Phenanthrene, ug/kg dw | ~~640~~ | 730D |
| Pyrene, ug/kg dw | ~~670~~ | 990D |
| Surrogate - Terphenyl-d14 | 100 % | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.09.99 | |
| Analysis Date | 11.19.99 | |
| Batch ID | 1109J | |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.5UN |
| Arsenic, mg/kg dw | 6.6 |
| Barium, mg/kg dw | 920 |
| Beryllium, mg/kg dw | 2.3 |
| Cadmium, mg/kg dw | 2.8 |
| Chromium, mg/kg dw | 91 |
| Cobalt, mg/kg dw | 11 |
| Copper, mg/kg dw | 34 |
| Nickel, mg/kg dw | 45 |
| Lead, mg/kg dw | 110 |
| Selenium, mg/kg dw | 1.3U |
| Silver, mg/kg dw | 1.3U |
| Tin, mg/kg dw | 9.4 |
| Thallium, mg/kg dw | 1.3U |
| Vanadium, mg/kg dw | 44 |
| Zinc, mg/kg dw | 580 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.031U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115S |
| Sulfide (9030), mg/kg dw | 31U |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 38000 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |

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Sampled By: Client
Code: 162700111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-2 | SS32100411059900S | 11-05-99/15:10 | WRR002 |

| PARAMETER | 17515A-2 | | |
|---|---|---|---|
| pH in Soil (9045) | | | |
| pH, units | 7.52 | | |
| Prep Date | 11.22.99 | | |
| Analysis Date | 11.22.99 | | |
| Batch ID | 1122Z | | |
| Percent Solids | 80 | | |

Elizabeth F. Beauchamp, Project Manager

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-3 | TB-004 | 11-05-99 | WRR002 |

| PARAMETER | 17515A-3 | | |
|---|---|---|---|
| Volatile Organic Compounds (8260) | | | |
| Acetonitrile, ug/l | 200U | | |
| Acetone, ug/l | 50U | | |
| Benzene, ug/l | 5.0U | | |
| Bromodichloromethane, ug/l | 5.0U | | |
| Bromomethane (Methyl bromide), ug/l | 10U | | |
| Carbon disulfide, ug/l | 5.0U | | |
| Chlorobenzene, ug/l | 5.0U | | |
| Dibromochloromethane, ug/l | 5.0U | | |
| Chloroethane, ug/l | 10U | | |
| Chloromethane (Methyl chloride), ug/l | 10U | | |
| Chloroform, ug/l | 5.0U | | |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U | | |
| Chloroprene, ug/l | 5.0U | | |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U | | |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U | | |
| trans-1,4-Dichloro-2-butene, ug/l | 10U | | |
| Dichlorodifluoromethane, ug/l | 5.0U | | |
| 1,1-Dichloroethane, ug/l | 5.0U | | |
| 1,2-Dichloroethane, ug/l | 5.0U | | |
| trans-1,2-Dichloroethene, ug/l | 5.0U | | |
| 1,1-Dichloroethylene, ug/l | 5.0U | | |
| Methylene chloride (Dichloromethane), ug/l | 5.0U | | |

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|---|---|---|---|
| 17515A-3 | TB-004 | 11-05-99 | WRR002 |

| PARAMETER | 17515A-3 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U | | |
| cis-1,3-Dichloropropene, ug/l | 5.0U | | |
| trans-1,3-Dichloropropene, ug/l | 5.0U | | |
| Ethylbenzene, ug/l | 5.0U | | |
| Methyl ethyl ketone, ug/l | 25U | | |
| Iodomethane (Methyl iodide), ug/l | 5.0U | | |
| Methacrylonitrile, ug/l | 100U | | |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U | | |
| Pentachloroethane, ug/l | 25U | | |
| Styrene, ug/l | 5.0U | | |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U | | |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U | | |
| Tetrachloroethene, ug/l | 5.0U | | |
| Carbon tetrachloride, ug/l | 5.0U | | |
| Toluene, ug/l | 5.0U | | |
| Bromoform, ug/l | 5.0U | | |
| 1,1,2-Trichloroethane, ug/l | 5.0U | | |
| 1,1,1-Trichloroethane, ug/l | 5.0U | | |
| Trichloroethene, ug/l | 5.0U | | |
| Trichlorofluoromethane, ug/l | 5.0U | | |
| 1,2,3-Trichloropropane, ug/l | 5.0U | | |
| Vinyl acetate, ug/l | 10U | | |
| Vinyl chloride, ug/l | 10U | | |

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LOG NO: S9-17515A
Received: 06 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 162800111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17515A-3 | TB-004 | 11-05-99 | WRR002 |

| PARAMETER | 17515A-3 |
|---|---|
| Xylenes, Total, ug/l | 10U |
| 2-Hexanone, ug/l | 25U |
| Propionitrile, ug/l | 100U |
| Methyl methacrylate, ug/l | 5.0U |
| Acrolein (Propenal), ug/l | 100U |
| Acrylonitrile, ug/l | 100U |
| Ethyl methacrylate, ug/l | 5.0U |
| Isobutanol (Isobutyl alcohol), ug/l | 200U |
| Dibromomethane, ug/l | 5.0U |
| cis-1,2-Dichloroethene | 5.0U |
| Surrogate - Toluene-d8 | 104 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.16.99 |
| Batch ID | 2M1115 |

Methods: EPA SW-846, Update III.

U = Not detected at the Reporting Limit.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC detectors confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

SHEET 1 of 1

# CHAIN OF CUSTODY RECORD

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

PROJECT NO: 2389C8602F. 01-00200

PROJECT NAME: SWMUs S, T, V

SAMPLER'S: (Signature) Matt Foresman, Amelia Turnell

SDG1

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | VOCs-8260 (RHCL List) | SVOCs-8270 (RHCL List) + PAHs-8310 | Metals (RHCL List) | TOC moisture, + pH (taken from metals jar) | PID Readings (ppm) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 11-5-99 | 10:35 | SS304001110599005 | 6 | 4* | 1 | 1 | | 79999 | *3 encore sample + 1 4oz jar |
| | 11:00 | SS304004110599005 | 6 | 4* | 1 | 1 | | 79999 | |
| | 11:25 | SS304020110599005 | 6 | 4* | 1 | 1 | | 798 | |
| | 12:00 | SS306001110599005 | 6 | 4* | 1 | 1 | 1 | 54 | |
| | 12:00 | SS306001110599OMS | 6 | 4* | 1 | 1 | | 54 | |
| | 12:00 | SS306001110599MSO | 6 | 4* | 1 | 1 | | 54 | |
| | 1500 | SS321001110599005 | 6 | 4* | 1 | 1 | | not available | |
| | 1510 | SS321004110599005 | 6 | 4* | 1 | 1 | | not available | |
| | 10:00 | W[redacted]305001[redacted]110599OEB | 9 | 3 | 4 | 2* | (RHCL) | | *1 jar for metals + ~~1 jar for cyanide~~ * |
| | 1730 | TB-003 + TB004 | 4 | 4* | | | | | + 2 vials per Trip Blank |

| | | | |
|---|---|---|---|
| RELINQUISHED BY: (Signature) Matt Foresman | DATE / TIME 11-5-99 / 2030 | RECEIVED BY: (Signature) | DATE / TIME |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) | DATE / TIME |
| METHOD OF SHIPMENT: | | AIRBILL NO: | |

* Revised (as of 11/8/99) → VOCs, SVOCs + Metals all from APP. IX List (not RHCL) for samples (2 321...

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LOG NO: S9-17545
Received: 09 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-1 | SS35800111089900S | 11-08-99/09:20 | WRR002 |

| PARAMETER | 17545-1 |
|---|---|
| **Antimony (6010)** | |
| Antimony, mg/kg dw | 4.2N |
| Dilution Factor | 1.0 |
| Prep Date | 12.16.99 |
| Analysis Date | 12.18.99 |
| Batch ID | 1216B |
| **Arsenic (6010)** | |
| Arsenic, mg/kg dw | 6.2 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Barium (6010)** | |
| Barium, mg/kg dw | 190 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-1 | SS35800111089900S | 11-08-99/09:20 | WRR002 |

| PARAMETER | 17545-1 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.64 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.71 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 1200 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-1 | SS35800111089900S | 11-08-99/09:20 | WRR002 |

| PARAMETER | 17545-1 |
|---|---|
| **Lead (6010)** | |
| Lead, mg/kg dw | 58 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.18 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.2U |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-1 | SS35800111089900S | 11-08-99/09:20 | WRR002 |

| PARAMETER | 17545-1 |
|---|---|
| Vanadium (6010) | |
| Vanadium, mg/kg dw | 33 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| Zinc (6010) | |
| Zinc, mg/kg dw | 120 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 17000 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| pH in Soil (9045) | |
| pH, units | 7.17 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-1 | SS35800111089900S | 11-08-99/09:20 | WRR002 |

| PARAMETER | 17545-1 |
|---|---|
| Percent Solids | 81 |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-2 | SS35800411089900S | 11-08-99/09:40 | WRR002 |

| PARAMETER | 17545-2 |
|---|---|
| Antimony (6010) | |
| Antimony, mg/kg dw | 26UN |
| Dilution Factor | 10 |
| Prep Date | 12.16.99 |
| Analysis Date | 12.20.99 |
| Batch ID | 1216B |
| Arsenic (6010) | |
| Arsenic, mg/kg dw | 8.2U |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |
| Barium (6010) | |
| Barium, mg/kg dw | 560 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-2 | SS35800411089900S | 11-08-99/09:40 | WRR002 |

| PARAMETER | 17545-2 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.52 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 1.1 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 13000 |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-2 | SS358004110899 00S | 11-08-99/09:40 | WRR002 |

| PARAMETER | 17545-2 |
|---|---|
| **Lead (6010)** | |
| Lead, mg/kg dw | 770 |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.34 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 26U |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-2 | SS35800411089900S | 11-08-99/09:40 | WRR002 |

| PARAMETER | 17545-2 |
|---|---|
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 31 |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |
| **Zinc (6010)** | |
| Zinc, mg/kg dw | 470 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Organic Carbon (WALKLEY-BLACK), mg/kg dw** | 25000 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| **pH in Soil (9045)** | |
| pH, units | 7.47 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |

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LOG NO: S9-17545
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Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-2 | SS35800411089900S | 11-08-99/09:40 | WRR002 |

| PARAMETER | 17545-2 |
|---|---|
| Percent Solids | 78 |

Elizabeth F. Beauchamp, Project Manager

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Ms. Heather Halderman
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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-3 | SS35801211089900S | 11-08-99/09:55 | WRR002 |

| PARAMETER | 17545-3 |
|---|---|
| **Antimony (6010)** | |
| Antimony, mg/kg dw | 2.4UN |
| Dilution Factor | 1.0 |
| Prep Date | 12.16.99 |
| Analysis Date | 12.18.99 |
| Batch ID | 1216B |
| **Arsenic (6010)** | |
| Arsenic, mg/kg dw | 2.3 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Barium (6010)** | |
| Barium, mg/kg dw | 120 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-3 | SS35801211089900S | 11-08-99/09:55 | WRR002 |

| PARAMETER | 17545-3 |
|---|---|
| **Beryllium (6010)** | |
| Beryllium, mg/kg dw | 0.58 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Cadmium (6010)** | |
| Cadmium, mg/kg dw | 0.65U |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Chromium (6010)** | |
| Chromium, mg/kg dw | 23 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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|---|---|---|---|
| 17545-3 | SS35801211089900S | 11-08-99/09:55 | WRR002 |

| PARAMETER | 17545-3 |
|---|---|
| **Lead (6010)** | |
| Lead, mg/kg dw | 11 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.031U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Selenium (6010)** | |
| Selenium, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-3 | SS35801211089900S | 11-08-99/09:55 | WRR002 |

| PARAMETER | 17545-3 |
|---|---|
| **Vanadium (6010)** | |
| Vanadium, mg/kg dw | 29 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Zinc (6010)** | |
| Zinc, mg/kg dw | 57 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |
| **Organic Carbon (WALKLEY-BLACK), mg/kg dw** | 3900 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| **pH in Soil (9045)** | |
| pH, units | 7.63 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-3 | SS35801211089900S | 11-08-99/09:55 | WRR002 |

| PARAMETER | 17545-3 |
|---|---|
| Percent Solids | 77 |

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17545
Received: 09 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 2300U |
| Acetone, ug/kg dw | 1600 |
| Benzene, ug/kg dw | 81 |
| Bromodichloromethane, ug/kg dw | 58U |
| Bromomethane (Methyl bromide), ug/kg dw | 120U |
| Carbon disulfide, ug/kg dw | 74 |
| Chlorobenzene, ug/kg dw | 58U |
| Dibromochloromethane, ug/kg dw | 58U |
| Chloroethane, ug/kg dw | 120U |
| Chloromethane (Methyl chloride), ug/kg dw | 120U |
| Chloroform, ug/kg dw | 58U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 58U |
| Chloroprene, ug/kg dw | 58U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 120U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 58U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 58U |
| Dichlorodifluoromethane, ug/kg dw | 58U |
| 1,1-Dichloroethane, ug/kg dw | 58U |
| 1,2-Dichloroethane, ug/kg dw | 58U |
| trans-1,2-Dichloroethene, ug/kg dw | 58U |
| 1,1-Dichloroethylene, ug/kg dw | 58U |
| Methylene chloride (Dichloromethane), ug/kg dw | 58U |

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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 58U |
| cis-1,3-Dichloropropene, ug/kg dw | 58U |
| trans-1,3-Dichloropropene, ug/kg dw | 58U |
| Ethylbenzene, ug/kg dw | 150 |
| Methyl ethyl ketone, ug/kg dw | 510 |
| Iodomethane (Methyl iodide), ug/kg dw | 58U |
| Methacrylonitrile, ug/kg dw | 1200U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 290U |
| Pentachloroethane, ug/kg dw | 290U |
| Styrene, ug/kg dw | 58U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 58U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 58U |
| Tetrachloroethene, ug/kg dw | 58U |
| Carbon tetrachloride, ug/kg dw | 58U |
| Toluene, ug/kg dw | 94 |
| Bromoform, ug/kg dw | 58U |
| 1,1,2-Trichloroethane, ug/kg dw | 58U |
| 1,1,1-Trichloroethane, ug/kg dw | 58U |
| Trichloroethene, ug/kg dw | 58U |
| Trichlorofluoromethane, ug/kg dw | 58U |
| 1,2,3-Trichloropropane, ug/kg dw | 58U |
| Vinyl acetate, ug/kg dw | 120U |
| Vinyl chloride, ug/kg dw | 120U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Xylenes, Total, ug/kg dw | 460 |
| 2-Hexanone, ug/kg dw | 290U |
| Propionitrile, ug/kg dw | 1200U |
| Methyl methacrylate, ug/kg dw | 58U |
| Acrolein (Propenal), ug/kg dw | 1200U |
| Acrylonitrile, ug/kg dw | 1200U |
| Ethyl methacrylate, ug/kg dw | 58U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 2300U |
| Dibromomethane, ug/kg dw | 58U |
| cis-1,2-Dichloroethene, ug/kg dw | 58U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 91 % |
| Surrogate - Dibromofluoromethane | 91 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 12000U*F65 |
| 2-Acetylaminofluorene, ug/kg dw | 12000U |
| 4-Aminobiphenyl, ug/kg dw | 12000U |
| Aniline, ug/kg dw | 12000U |
| Aramite (total), ug/kg dw | 12000U |
| Benzyl alcohol, ug/kg dw | 12000U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 12000U |
| bis(2-Chloroethyl)ether, ug/kg dw | 12000U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 12000U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 12000U |
| 4-Bromophenylphenyl ether, ug/kg dw | 12000U |
| Butylbenzylphthalate, ug/kg dw | 12000U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 23000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 12000U |
| 2-Chloronaphthalene, ug/kg dw | 12000U |
| 2-Chlorophenol, ug/kg dw | 12000U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 12000U |
| Cresol, m & p, ug/kg dw | 12000U |
| Cresol (ortho), ug/kg dw | 12000U |
| Diallate, Total, ug/kg dw | 12000U |
| Dibenzofuran, ug/kg dw | 12000U |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 12000U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 23000U |
| 2,4-Dichlorophenol, ug/kg dw | 12000U |
| 2,6-Dichlorophenol, ug/kg dw | 12000U |
| Diethylphthalate, ug/kg dw | 12000U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 12000U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 12000U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 23000U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 2400000U |
| 2,4-Dimethylphenol, ug/kg dw | 12000U |
| Dimethylphthalate, ug/kg dw | 12000U |
| m-Dinitrobenzene , ug/kg dw | 12000U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 60000U |
| 2,4-Dinitrophenol, ug/kg dw | 60000U |
| 2,4-Dinitrotoluene, ug/kg dw | 12000U |
| 2,6-Dinitrotoluene, ug/kg dw | 12000U |
| Di-n-octylphthalate, ug/kg dw | 12000U |
| 1,4-Dioxane, ug/kg dw | 12000U |
| Ethyl methanesulfonate, ug/kg dw | 12000U |
| Hexachlorobenzene, ug/kg dw | 12000U |
| Hexachlorobutadiene, ug/kg dw | 12000U |
| Hexachlorocyclopentadiene, ug/kg dw | 12000U |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Hexachloroethane, ug/kg dw | 12000U |
| Hexachlorophene, ug/kg dw | 710000U |
| Hexachloropropene, ug/kg dw | 12000U |
| Isophorone, ug/kg dw | 12000U |
| Isosafrole, ug/kg dw | 12000U |
| Methapyrilene, ug/kg dw | 230000U |
| 3-Methylcholanthrene, ug/kg dw | 12000U |
| Methyl methanesulfonate, ug/kg dw | 12000U |
| 2-Methylnaphthalene, ug/kg dw | 12000U |
| 1,4-Naphthoquinone, ug/kg dw | 12000U |
| 1-Naphthylamine, ug/kg dw | 12000U |
| 2-Naphthylamine, ug/kg dw | 12000U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 60000U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 60000U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 60000U |
| Nitrobenzene, ug/kg dw | 12000U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 12000U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 60000U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 120000U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 12000U |
| N-Nitrosodiethylamine, ug/kg dw | 12000U |
| N-Nitrosodimethylamine, ug/kg dw | 12000U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 12000U |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 12000U |
| N-Nitrosomethylethylamine, ug/kg dw | 12000U |
| N-Nitrosomorpholine, ug/kg dw | 12000U |
| N-Nitrosopiperidine, ug/kg dw | 12000U |
| N-Nitrosopyrrolidine, ug/kg dw | 12000U |
| 5-Nitro-o-toluidine, ug/kg dw | 12000U |
| Pentachlorobenzene, ug/kg dw | 12000U |
| Pentachlorophenol, ug/kg dw | 60000U |
| Phenacetin, ug/kg dw | 12000U |
| Phenol, ug/kg dw | 12000U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 60000U |
| 2-Picoline, ug/kg dw | 12000U |
| Pronamide, ug/kg dw | 12000U |
| Pyridine, ug/kg dw | 12000U |
| Safrole, ug/kg dw | 12000U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 12000U |
| o-Toluidine, ug/kg dw | 12000U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 12000U |
| 2,4,5-Trichlorophenol, ug/kg dw | 12000U |
| 2,4,6-Trichlorophenol, ug/kg dw | 12000U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 12000U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 12000U |
| Famphur, ug/kg dw | 12000U |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Dimethoate, ug/kg dw | 12000U |
| Quinoline, ug/kg dw | 12000U |
| Benzenethiol, ug/kg dw | 12000U |
| Kepone, ug/kg dw | 12000U |
| 1-Methylnaphthalene, ug/kg dw | 12000U |
| Pentachloronitrobenzene, ug/kg dw | 12000U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 12000U |
| 1,2-Dichlorobenzene, ug/kg dw | 12000U |
| 1,3-Dichlorobenzene, ug/kg dw | 12000U |
| 1,4-Dichlorobenzene, ug/kg dw | 12000U |
| Surrogate - Phenol-d5 | 62 % |
| Surrogate - 2-Fluorophenol | 73 % |
| Surrogate - 2,4,6-Tribromophenol | 67 % |
| Surrogate - Nitrobenzene-d5 | 58 % |
| Surrogate - 2-Fluorobiphenyl | 68 % |
| Surrogate - Terphenyl-d14 | 66 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 18N |
| Arsenic, mg/kg dw | 18 |
| Barium, mg/kg dw | 760 |
| Beryllium, mg/kg dw | 0.88U |
| Cadmium, mg/kg dw | 3.1U |
| Chromium, mg/kg dw | 4300 |
| Cobalt, mg/kg dw | 6.3U |
| Copper, mg/kg dw | 150 |
| Nickel, mg/kg dw | 55 |
| Lead, mg/kg dw | 160 |
| Selenium, mg/kg dw | 84 |
| Silver, mg/kg dw | 6.3U |
| Tin, mg/kg dw | 31U |
| Thallium, mg/kg dw | 6.3U |
| Vanadium, mg/kg dw | 69 |
| Zinc, mg/kg dw | 1700 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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|---|---|---|---|
| 17545-4 | SS37000511089900S | 11-08-99/13:30 | WRR002 |

| PARAMETER | 17545-4 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 3.1 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 6.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115S |
| Sulfide (9030), mg/kg dw | 1800 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110A |
| Percent Solids | 16 |

Elizabeth E. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 310U |
| Acetone, ug/kg dw | 78U |
| Benzene, ug/kg dw | 7.8U |
| Bromodichloromethane, ug/kg dw | 7.8U |
| Bromomethane (Methyl bromide), ug/kg dw | 16U |
| Carbon disulfide, ug/kg dw | 7.8U |
| Chlorobenzene, ug/kg dw | 7.8U |
| Dibromochloromethane, ug/kg dw | 7.8U |
| Chloroethane, ug/kg dw | 16U |
| Chloromethane (Methyl chloride), ug/kg dw | 16U |
| Chloroform, ug/kg dw | 7.8U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 7.8U |
| Chloroprene, ug/kg dw | 7.8U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 16U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 7.8U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 7.8U |
| Dichlorodifluoromethane, ug/kg dw | 7.8U |
| 1,1-Dichloroethane, ug/kg dw | 7.8U |
| 1,2-Dichloroethane, ug/kg dw | 7.8U |
| trans-1,2-Dichloroethene, ug/kg dw | 7.8U |
| 1,1-Dichloroethylene, ug/kg dw | 7.8U |
| Methylene chloride (Dichloromethane), ug/kg dw | 7.8U |

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|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 7.8U |
| cis-1,3-Dichloropropene, ug/kg dw | 7.8U |
| trans-1,3-Dichloropropene, ug/kg dw | 7.8U |
| Ethylbenzene, ug/kg dw | 7.8U |
| Methyl ethyl ketone, ug/kg dw | 39U |
| Iodomethane (Methyl iodide), ug/kg dw | 7.8U |
| Methacrylonitrile, ug/kg dw | 160U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 39U |
| Pentachloroethane, ug/kg dw | 39U |
| Styrene, ug/kg dw | 7.8U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 7.8U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 7.8U |
| Tetrachloroethene, ug/kg dw | 7.8U |
| Carbon tetrachloride, ug/kg dw | 7.8U |
| Toluene, ug/kg dw | 7.8U |
| Bromoform, ug/kg dw | 7.8U |
| 1,1,2-Trichloroethane, ug/kg dw | 7.8U |
| 1,1,1-Trichloroethane, ug/kg dw | 7.8U |
| Trichloroethene, ug/kg dw | 7.8U |
| Trichlorofluoromethane, ug/kg dw | 7.8U |
| 1,2,3-Trichloropropane, ug/kg dw | 7.8U |
| Vinyl acetate, ug/kg dw | 16U |
| Vinyl chloride, ug/kg dw | 16U |

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Received: 09 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Xylenes, Total, ug/kg dw | 16U |
| 2-Hexanone, ug/kg dw | 39U |
| Propionitrile, ug/kg dw | 160U |
| Methyl methacrylate, ug/kg dw | 7.8U |
| Acrolein (Propenal), ug/kg dw | 160U |
| Acrylonitrile, ug/kg dw | 160U |
| Ethyl methacrylate, ug/kg dw | 7.8U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 310U |
| Dibromomethane, ug/kg dw | 7.8U |
| cis-1,2-Dichloroethene, ug/kg dw | 7.8U |
| Surrogate - Toluene-d8 | 102 % |
| Surrogate - 4-Bromofluorobenzene | 92 % |
| Surrogate - Dibromofluoromethane | 87 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 2M1118 |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 530U |
| 2-Acetylaminofluorene, ug/kg dw | 530U |
| 4-Aminobiphenyl, ug/kg dw | 530U |
| Aniline, ug/kg dw | 530U |
| Aramite (total), ug/kg dw | 530U |
| Benzyl alcohol, ug/kg dw | 530U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 530U |
| bis(2-Chloroethyl)ether, ug/kg dw | 530U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 530U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 530U |
| 4-Bromophenylphenyl ether, ug/kg dw | 530U |
| Butylbenzylphthalate, ug/kg dw | 530U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 1100U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 530U |
| 2-Chloronaphthalene, ug/kg dw | 530U |
| 2-Chlorophenol, ug/kg dw | 530U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 530U |
| Cresol, m & p, ug/kg dw | 530U |
| Cresol (ortho), ug/kg dw | 530U |
| Diallate, Total, ug/kg dw | 530U |
| Dibenzofuran, ug/kg dw | 530U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 530U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 1100U |
| 2,4-Dichlorophenol, ug/kg dw | 530U |
| 2,6-Dichlorophenol, ug/kg dw | 530U |
| Diethylphthalate, ug/kg dw | 530U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 530U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 530U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 1100U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 110000U |
| 2,4-Dimethylphenol, ug/kg dw | 530U |
| Dimethylphthalate, ug/kg dw | 530U |
| m-Dinitrobenzene , ug/kg dw | 530U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2700U |
| 2,4-Dinitrophenol, ug/kg dw | 2700U |
| 2,4-Dinitrotoluene, ug/kg dw | 530U |
| 2,6-Dinitrotoluene, ug/kg dw | 530U |
| Di-n-octylphthalate, ug/kg dw | 530U |
| 1,4-Dioxane, ug/kg dw | 530U |
| Ethyl methanesulfonate, ug/kg dw | 530U |
| Hexachlorobenzene, ug/kg dw | 530U |
| Hexachlorobutadiene, ug/kg dw | 530U |
| Hexachlorocyclopentadiene, ug/kg dw | 530U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 530U | | |
| Hexachlorophene, ug/kg dw | 32000U | | |
| Hexachloropropene, ug/kg dw | 530U | | |
| Isophorone, ug/kg dw | 530U | | |
| Isosafrole, ug/kg dw | 530U | | |
| Methapyrilene, ug/kg dw | 11000U | | |
| 3-Methylcholanthrene, ug/kg dw | 530U | | |
| Methyl methanesulfonate, ug/kg dw | 530U | | |
| 2-Methylnaphthalene, ug/kg dw | 530U | | |
| 1,4-Naphthoquinone, ug/kg dw | 530U | | |
| 1-Naphthylamine, ug/kg dw | 530U | | |
| 2-Naphthylamine, ug/kg dw | 530U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2700U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2700U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2700U | | |
| Nitrobenzene, ug/kg dw | 530U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 530U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2700U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 5300U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 530U | | |
| N-Nitrosodiethylamine, ug/kg dw | 530U | | |
| N-Nitrosodimethylamine, ug/kg dw | 530U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 530U | | |

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|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 530U |
| N-Nitrosomethylethylamine, ug/kg dw | 530U |
| N-Nitrosomorpholine, ug/kg dw | 530U |
| N-Nitrosopiperidine, ug/kg dw | 530U |
| N-Nitrosopyrrolidine, ug/kg dw | 530U |
| 5-Nitro-o-toluidine, ug/kg dw | 530U |
| Pentachlorobenzene, ug/kg dw | 530U |
| Pentachlorophenol, ug/kg dw | 2700U |
| Phenacetin, ug/kg dw | 530U |
| Phenol, ug/kg dw | 530U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2700U |
| 2-Picoline, ug/kg dw | 530U |
| Pronamide, ug/kg dw | 530U |
| Pyridine, ug/kg dw | 530U |
| Safrole, ug/kg dw | 530U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 530U |
| o-Toluidine, ug/kg dw | 530U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 530U |
| 2,4,5-Trichlorophenol, ug/kg dw | 530U |
| 2,4,6-Trichlorophenol, ug/kg dw | 530U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 530U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 530U |
| Famphur, ug/kg dw | 530U |

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|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 | | |
|---|---|---|---|
| Dimethoate, ug/kg dw | 530U | | |
| Quinoline, ug/kg dw | 530U | | |
| Benzenethiol, ug/kg dw | 530U | | |
| Kepone, ug/kg dw | 530U | | |
| 1-Methylnaphthalene, ug/kg dw | 530U | | |
| Pentachloronitrobenzene, ug/kg dw | 530U | | |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 530U | | |
| 1,2-Dichlorobenzene, ug/kg dw | 530U | | |
| 1,3-Dichlorobenzene, ug/kg dw | 530U | | |
| 1,4-Dichlorobenzene, ug/kg dw | 530U | | |
| Surrogate - Phenol-d5 | 39 % | | |
| Surrogate - 2-Fluorophenol | 44 % | | |
| Surrogate - 2,4,6-Tribromophenol | 59 % | | |
| Surrogate - Nitrobenzene-d5 | 41 % | | |
| Surrogate - 2-Fluorobiphenyl | 52 % | | |
| Surrogate - Terphenyl-d14 | 63 % | | |
| Dilution Factor | 1.0 | | |
| Prep Date | 11.12.99 | | |
| Analysis Date | 11.16.99 | | |
| Batch ID | 1112A | | |

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REPORT OF RESULTS



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|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 80U |
| Acenaphthylene, ug/kg dw | 32U |
| Anthracene, ug/kg dw | 6.4U |
| Benzo(a)anthracene, ug/kg dw | 7.9P |
| Benzo(a)pyrene, ug/kg dw | 6.4U |
| Benzo(b)fluoranthene, ug/kg dw | 13P |
| Benzo(g,h,i)perylene, ug/kg dw | 16U |
| Benzo(k)fluoranthene, ug/kg dw | 6.4U |
| Chrysene, ug/kg dw | 7.6 |
| Dibenzo(a,h)anthracene, ug/kg dw | 16U |
| Fluoranthene, ug/kg dw | 16U |
| Fluorene, ug/kg dw | 16U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 16U |
| Naphthalene, ug/kg dw | 32U |
| Phenanthrene, ug/kg dw | 15 |
| Pyrene, ug/kg dw | 19P |
| Surrogate - Terphenyl-d14 | 77 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1112J |

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Contract No.: S7219
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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 29N |
| Arsenic, mg/kg dw | 5.5 |
| Barium, mg/kg dw | 230 |
| Beryllium, mg/kg dw | 0.99 |
| Cadmium, mg/kg dw | 0.81U |
| Chromium, mg/kg dw | 310 |
| Cobalt, mg/kg dw | 9.7 |
| Copper, mg/kg dw | 28 |
| Nickel, mg/kg dw | 27 |
| Lead, mg/kg dw | 21 |
| Selenium, mg/kg dw | 2.2 |
| Silver, mg/kg dw | 1.6U |
| Tin, mg/kg dw | 8.1U |
| Thallium, mg/kg dw | 1.6U |
| Vanadium, mg/kg dw | 52 |
| Zinc, mg/kg dw | 130 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-5 | SS37000811089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-5 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 2.6 |
| Dilution Factor | 5.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.6U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115S |
| Sulfide (9030), mg/kg dw | 1100 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110A |
| Percent Solids | 62 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 260U |
| Acetone, ug/kg dw | 65U |
| Benzene, ug/kg dw | 6.5U |
| Bromodichloromethane, ug/kg dw | 6.5U |
| Bromomethane (Methyl bromide), ug/kg dw | 13U |
| Carbon disulfide, ug/kg dw | 6.5U |
| Chlorobenzene, ug/kg dw | 6.5U |
| Dibromochloromethane, ug/kg dw | 6.5U |
| Chloroethane, ug/kg dw | 13U |
| Chloromethane (Methyl chloride), ug/kg dw | 13U |
| Chloroform, ug/kg dw | 6.5U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.5U |
| Chloroprene, ug/kg dw | 6.5U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 13U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.5U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.5U |
| Dichlorodifluoromethane, ug/kg dw | 6.5U |
| 1,1-Dichloroethane, ug/kg dw | 6.5U |
| 1,2-Dichloroethane, ug/kg dw | 6.5U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.5U |
| 1,1-Dichloroethylene, ug/kg dw | 6.5U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.5U |

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|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.5U |
| cis-1,3-Dichloropropene, ug/kg dw | 6.5U |
| trans-1,3-Dichloropropene, ug/kg dw | 6.5U |
| Ethylbenzene, ug/kg dw | 6.5U |
| Methyl ethyl ketone, ug/kg dw | 32U |
| Iodomethane (Methyl iodide), ug/kg dw | 6.5U |
| Methacrylonitrile, ug/kg dw | 130U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 32U |
| Pentachloroethane, ug/kg dw | 32U |
| Styrene, ug/kg dw | 6.5U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.5U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.5U |
| Tetrachloroethene, ug/kg dw | 6.5U |
| Carbon tetrachloride, ug/kg dw | 6.5U |
| Toluene, ug/kg dw | 6.5U |
| Bromoform, ug/kg dw | 6.5U |
| 1,1,2-Trichloroethane, ug/kg dw | 6.5U |
| 1,1,1-Trichloroethane, ug/kg dw | 6.5U |
| Trichloroethene, ug/kg dw | 6.5U |
| Trichlorofluoromethane, ug/kg dw | 6.5U |
| 1,2,3-Trichloropropane, ug/kg dw | 6.5U |
| Vinyl acetate, ug/kg dw | 13U |
| Vinyl chloride, ug/kg dw | 13U |

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|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Xylenes, Total, ug/kg dw | 13U |
| 2-Hexanone, ug/kg dw | 32U |
| Propionitrile, ug/kg dw | 130U |
| Methyl methacrylate, ug/kg dw | 6.5U |
| Acrolein (Propenal), ug/kg dw | 130U |
| Acrylonitrile, ug/kg dw | 130U |
| Ethyl methacrylate, ug/kg dw | 6.5U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 260U |
| Dibromomethane, ug/kg dw | 6.5U |
| cis-1,2-Dichloroethene, ug/kg dw | 6.5U |
| Surrogate - Toluene-d8 | 97 % |
| Surrogate - 4-Bromofluorobenzene | 94 % |
| Surrogate - Dibromofluoromethane | 95 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 2M1118 |

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|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 440U |
| 2-Acetylaminofluorene, ug/kg dw | 440U |
| 4-Aminobiphenyl, ug/kg dw | 440U |
| Aniline, ug/kg dw | 440U |
| Aramite (total), ug/kg dw | 440U |
| Benzyl alcohol, ug/kg dw | 440U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 440U |
| bis(2-Chloroethyl)ether, ug/kg dw | 440U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 440U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 440U |
| 4-Bromophenylphenyl ether, ug/kg dw | 440U |
| Butylbenzylphthalate, ug/kg dw | 440U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 890U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 440U |
| 2-Chloronaphthalene, ug/kg dw | 440U |
| 2-Chlorophenol, ug/kg dw | 440U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 440U |
| Cresol, m & p, ug/kg dw | 440U |
| Cresol (ortho), ug/kg dw | 440U |
| Diallate, Total, ug/kg dw | 440U |
| Dibenzofuran, ug/kg dw | 440U |

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LOG NO: S9-17545
Received: 09 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 440U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 890U |
| 2,4-Dichlorophenol, ug/kg dw | 440U |
| 2,6-Dichlorophenol, ug/kg dw | 440U |
| Diethylphthalate, ug/kg dw | 440U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 440U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 440U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 890U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 90000U |
| 2,4-Dimethylphenol, ug/kg dw | 440U |
| Dimethylphthalate, ug/kg dw | 440U |
| m-Dinitrobenzene , ug/kg dw | 440U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2300U |
| 2,4-Dinitrophenol, ug/kg dw | 2300U |
| 2,4-Dinitrotoluene, ug/kg dw | 440U |
| 2,6-Dinitrotoluene, ug/kg dw | 440U |
| Di-n-octylphthalate, ug/kg dw | 440U |
| 1,4-Dioxane, ug/kg dw | 440U |
| Ethyl methanesulfonate, ug/kg dw | 440U |
| Hexachlorobenzene, ug/kg dw | 440U |
| Hexachlorobutadiene, ug/kg dw | 440U |
| Hexachlorocyclopentadiene, ug/kg dw | 440U |

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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Hexachloroethane, ug/kg dw | 440U |
| Hexachlorophene, ug/kg dw | 27000U |
| Hexachloropropene, ug/kg dw | 440U |
| Isophorone, ug/kg dw | 440U |
| Isosafrole, ug/kg dw | 440U |
| Methapyrilene, ug/kg dw | 8900U |
| 3-Methylcholanthrene, ug/kg dw | 440U |
| Methyl methanesulfonate, ug/kg dw | 440U |
| 2-Methylnaphthalene, ug/kg dw | 440U |
| 1,4-Naphthoquinone, ug/kg dw | 440U |
| 1-Naphthylamine, ug/kg dw | 440U |
| 2-Naphthylamine, ug/kg dw | 440U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2300U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2300U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2300U |
| Nitrobenzene, ug/kg dw | 440U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 440U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2300U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4400U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 440U |
| N-Nitrosodiethylamine, ug/kg dw | 440U |
| N-Nitrosodimethylamine, ug/kg dw | 440U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 440U |

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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 | | |
|---|---|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 440U | | |
| N-Nitrosomethylethylamine, ug/kg dw | 440U | | |
| N-Nitrosomorpholine, ug/kg dw | 440U | | |
| N-Nitrosopiperidine, ug/kg dw | 440U | | |
| N-Nitrosopyrrolidine, ug/kg dw | 440U | | |
| 5-Nitro-o-toluidine, ug/kg dw | 440U | | |
| Pentachlorobenzene, ug/kg dw | 440U | | |
| Pentachlorophenol, ug/kg dw | 2300U | | |
| Phenacetin, ug/kg dw | 440U | | |
| Phenol, ug/kg dw | 440U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2300U | | |
| 2-Picoline, ug/kg dw | 440U | | |
| Pronamide, ug/kg dw | 440U | | |
| Pyridine, ug/kg dw | 440U | | |
| Safrole, ug/kg dw | 440U | | |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 440U | | |
| o-Toluidine, ug/kg dw | 440U | | |
| 1,2,4-Trichlorobenzene, ug/kg dw | 440U | | |
| 2,4,5-Trichlorophenol, ug/kg dw | 440U | | |
| 2,4,6-Trichlorophenol, ug/kg dw | 440U | | |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 440U | | |
| 1,3,5-Trinitrobenzene, ug/kg dw | 440U | | |
| Famphur, ug/kg dw | 440U | | |

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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Dimethoate, ug/kg dw | 440U |
| Quinoline, ug/kg dw | 440U |
| Benzenethiol, ug/kg dw | 440U |
| Kepone, ug/kg dw | 440U |
| 1-Methylnaphthalene, ug/kg dw | 440U |
| Pentachloronitrobenzene, ug/kg dw | 440U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 440U |
| 1,2-Dichlorobenzene, ug/kg dw | 440U |
| 1,3-Dichlorobenzene, ug/kg dw | 440U |
| 1,4-Dichlorobenzene, ug/kg dw | 440U |
| Surrogate - Phenol-d5 | 58 % |
| Surrogate - 2-Fluorophenol | 69 % |
| Surrogate - 2,4,6-Tribromophenol | 64 % |
| Surrogate - Nitrobenzene-d5 | 54 % |
| Surrogate - 2-Fluorobiphenyl | 64 % |
| Surrogate - Terphenyl-d14 | 73 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 67U |
| Acenaphthylene, ug/kg dw | 27U |
| Anthracene, ug/kg dw | 5.4U |
| Benzo(a)anthracene, ug/kg dw | 14P |
| Benzo(a)pyrene, ug/kg dw | 9.2 |
| Benzo(b)fluoranthene, ug/kg dw | 10P |
| Benzo(g,h,i)perylene, ug/kg dw | 13U |
| Benzo(k)fluoranthene, ug/kg dw | 5.4U |
| Chrysene, ug/kg dw | 13 |
| Dibenzo(a,h)anthracene, ug/kg dw | 13U |
| Fluoranthene, ug/kg dw | 13U |
| Fluorene, ug/kg dw | 13U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 13U |
| Naphthalene, ug/kg dw | 27U |
| Phenanthrene, ug/kg dw | 19 |
| Pyrene, ug/kg dw | 27P |
| Surrogate - Terphenyl-d14 | 118 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1112J |

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Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 6.3N |
| Arsenic, mg/kg dw | 2.6 |
| Barium, mg/kg dw | 270 |
| Beryllium, mg/kg dw | 0.67 |
| Cadmium, mg/kg dw | 0.68U |
| Chromium, mg/kg dw | 23 |
| Cobalt, mg/kg dw | 7.4 |
| Copper, mg/kg dw | 18 |
| Nickel, mg/kg dw | 17 |
| Lead, mg/kg dw | 12 |
| Selenium, mg/kg dw | 1.4U |
| Silver, mg/kg dw | 1.4U |
| Tin, mg/kg dw | 6.8U |
| Thallium, mg/kg dw | 1.4U |
| Vanadium, mg/kg dw | 34 |
| Zinc, mg/kg dw | 57 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-6 | SS37001111089900S | 11-08-99/14:30 | WRR002 |

| PARAMETER | 17545-6 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.049 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115S |
| Sulfide (9030), mg/kg dw | 420 |
| Dilution Factor | 1.0 |
| Prep Date | 11.10.99 |
| Analysis Date | 11.10.99 |
| Batch ID | 1110A |
| Percent Solids | 74 |

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17545
Received: 09 NOV 99
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Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-7 | TB-005 (942C) | 11-08-99 | WRR002 |

| PARAMETER | 17545-7 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/l | 200U |
| Acetone, ug/l | 50U |
| Benzene, ug/l | 5.0U |
| Bromodichloromethane, ug/l | 5.0U |
| Bromomethane (Methyl bromide), ug/l | 10U |
| Carbon disulfide, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Dibromochloromethane, ug/l | 5.0U |
| Chloroethane, ug/l | 10U |
| Chloromethane (Methyl chloride), ug/l | 10U |
| Chloroform, ug/l | 5.0U |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U |
| Chloroprene, ug/l | 5.0U |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| trans-1,4-Dichloro-2-butene, ug/l | 10U |
| Dichlorodifluoromethane, ug/l | 5.0U |
| 1,1-Dichloroethane, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| trans-1,2-Dichloroethene, ug/l | 5.0U |
| 1,1-Dichloroethylene, ug/l | 5.0U |
| Methylene chloride (Dichloromethane), ug/l | 5.0U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-7 | TB-005 (942C) | 11-08-99 | WRR002 |

| PARAMETER | 17545-7 |
|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U |
| cis-1,3-Dichloropropene, ug/l | 5.0U |
| trans-1,3-Dichloropropene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Methyl ethyl ketone, ug/l | 25U |
| Iodomethane (Methyl iodide), ug/l | 5.0U |
| Methacrylonitrile, ug/l | 100U |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U |
| Pentachloroethane, ug/l | 25U |
| Styrene, ug/l | 5.0U |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U |
| Tetrachloroethene, ug/l | 5.0U |
| Carbon tetrachloride, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Bromoform, ug/l | 5.0U |
| 1,1,2-Trichloroethane, ug/l | 5.0U |
| 1,1,1-Trichloroethane, ug/l | 5.0U |
| Trichloroethene, ug/l | 5.0U |
| Trichlorofluoromethane, ug/l | 5.0U |
| 1,2,3-Trichloropropane, ug/l | 5.0U |
| Vinyl acetate, ug/l | 10U |
| Vinyl chloride, ug/l | 10U |

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Sampled By: Client
Code: 160500111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-7 | TB-005 (942C) | 11-08-99 | WRR002 |

| PARAMETER | 17545-7 |
|---|---|
| Xylenes, Total, ug/l | 10U |
| 2-Hexanone, ug/l | 25U |
| Propionitrile, ug/l | 100U |
| Methyl methacrylate, ug/l | 5.0U |
| Acrolein (Propenal), ug/l | 100U |
| Acrylonitrile, ug/l | 100U |
| Ethyl methacrylate, ug/l | 5.0U |
| Isobutanol (Isobutyl alcohol), ug/l | 200U |
| Dibromomethane, ug/l | 5.0U |
| cis-1,2-Dichloroethene | 5.0U |
| Surrogate - Toluene-d8 | 104 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 94 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.16.99 |
| Batch ID | 2M1115 |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17545-7 | TB-005 (942C) | 11-08-99 | WRR002 |

| PARAMETER | 17545-7 |
|---|---|

Methods: EPA SW-846, Update III.

U = Not detected at the Reporting Limit.

*F65 = Elevated detection limits were reported due to sample matrix interference which required sample or extract dilution.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC detectors confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

# CHAIN OF CUSTODY RECORD

SHEET 1 of 1

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

*Revised* (as of 11/9/99)

PROJECT NO: 23-8948602F.01

PROJECT NAME: Equilon WRRC Phase III RFI Sumas STV

SAMPLER'S: (Signature) Matt Foresman, Amelia Turnell

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | 5 leaches metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Selenium, Thallium, Vanadium, Zinc) | TOC, pH, moisture | VOCS - 8260S (APP. IX) | SVOCS + PAHS (APP. IX) | Metals (Appendix IX) CN + Sulfide | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 11-8-99 | 0920 | SS358001110899005 | 1 | X | X | | | | |
| 11-8-99 | 0940 | SS358004110899005 | 1 | X | X | | | | |
| 11-8-99 | 0955 | SS358012110899005 | 1 | X | X | | | | |
| 11-8-99 | 1330 | SS370005110899005 | 6 | | | 4* | 1 | 1 | *3 encores + 1 jar |
| 11-8-99 | 1430 | SS370008110899005 | 6 | | | 4* | 1 | 1 | * " " |
| 11-8-99 | 1430 | SS370011110899005 | 6 | | | 4* | 1 | 1 | * " " |
| 11-8-99 | — | TB-005 (992C) | 3 | | | 3 | | | 3 vials (aqueous) |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| RELINQUISHED BY: (Signature) Matthew R. Foresman | DATE / TIME 11-8-99 / 1800 | RECEIVED BY: (Signature) | DATE / TIME |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) | DATE / TIME |
| METHOD OF SHIPMENT: | | AIRBILL NO: | |

**RECIPIENT'S COPY**

ESTIONS? CALL 800-238-5355 TOLL FREE.

5160892

AIRBILL
PACKAGE TRACKING NUMBER 4365160892

Date 11-8-99

Your Phone Number (Very Important) (314)429-0100

Street Address: HOWARD CLYDE CONSULTANTS

Department/Floor No. 59-17545

City: 2718 MILLPARK DR

State: MO

ZIP Required: 63043

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)

2389C8602F.01-0D200

2 To (Recipient's Name) Please Print: Betsy Beachaump

Company: Savannah Labs

Recipient's Phone Number (Very Important): (912)354-7858

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 5102 Laroche Ave.

Department/Floor No.

City: Savannah

State: GA

ZIP Required: 31404

3 PAYMENT: 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card 5 [ ] Cash/Check

4 SERVICES (Check only one box)

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- 11 [X] OTHER PACKAGING
- 16 [ ] FEDEX LETTER*
- 12 [ ] FEDEX PAK*
- 13 [ ] FEDEX BOX
- 14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
- 51 [ ] OTHER PACKAGING
- 56 [ ] FEDEX LETTER*
- 52 [ ] FEDEX PAK*
- 53 [ ] FEDEX BOX
- 54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
- 30 [ ] ECONOMY*

*Economy Letter Rate not available. Minimum charge: One pound Economy rate.

Government Overnight (Restricted for authorized users only)
- 46 [ ] GOV'T LETTER
- 41 [ ] GOV'T PACKAGE

Freight Service (for packages over 150 lbs.)
- 70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
- 80 [ ] TWO-DAY FREIGHT**

† Delivery commitment may be later in some areas.

*Declared Value Limit $500. **Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
- 1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
- 2 [X] DELIVER WEEKDAY

Saturday Service
- 31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
- 3 [ ] DELIVER SATURDAY (Extra charge) (Not available to all locations)
- 9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
- 4 [ ] DANGEROUS GOODS (Extra charge)
- 6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
  Dry Ice, 9, UN 1845, ____ X ____ kg. 904 III
  DESCRIPTION
- 12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

| PACKAGES | WEIGHT In Pounds Only | YOUR DECLARED VALUE (See right) |
|---|---|---|
| 1 | | $2000.00 |
| Total 1 | Total 23 | Total $2000.00 |

DIM SHIPMENT (Chargeable Weight) [ ] ____ lbs.

L x W x H

Received At: 1 [ ] Regular Stop 2 [ ] On-Call Stop 3 [ ] Drop Box 4 [X] B.S.C. 5 [ ] Station

7 Release Signature:

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here

Street Address

City

State

ZIP Required

Emp. No.

Date

[ ] Cash Received

[ ] Return Shipment

[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold

Street Address

City State Zip

Received By: X

Date/Time Received FedEx Employee Number

Federal Express Use

Base Charges

Declared Value Charge

Other 1

Other 2

Total Charges

REVISION DATE 4/94
PART #145412 FXEM 12/94
FORMAT #160

160

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# CHAIN OF CUSTODY RECORD

SH T 1 of 1

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

PROJECT NO: 23-8948602F.01

PROJECT NAME: Equilon URRC Phase III RFI Sumps STV

SAMPLER'S: (Signature) Matt Foresman, Amelia Turnell

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | Selected metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Selenium, Vanadium, Zinc) | | TOC, pH, moisture | VOCs - 8260B | SVOCs + PAHs | Metals (Appendix IX) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 11-8-99 | 0920 | SS358001110899005 | 1 | X | X | | | | | |
| 11-8-99 | 0940 | SS358004110899005 | 1 | X | X | | | | | |
| 11-8-99 | 0955 | SS358012110899005 | 1 | X | X | | | | | |
| 11-8-99 | 1330 | SS370005110899005 | 6 | | | 4* | 1 | 1 | | *3 encores + 1 jar |
| 11-8-99 | 1430 | SS370008110899005 | 6 | | | 4* | 1 | 1 | | * " " |
| 11-8-99 | 1430 | SS370011110899005 | 6 | | | 4* | 1 | 1 | | * " " |
| 11-8-99 | — | TB-005 (992C) | 3 | | | 3 | | | | 3 vials (aqueous |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | 59-17545 |

| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME |
|---|---|---|---|
| Matthew R. Foresman | 11-8-99 / 1800 | | |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) | DATE / TIME |
| | | [illegible] | 11/9/99 8:46 |
| METHOD OF SHIPMENT: | | AIRBILL NO: | |

JAN 1 1 2000

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 1600U |
| Acetone, ug/kg dw | 1200 |
| Benzene, ug/kg dw | 60 |
| Bromodichloromethane, ug/kg dw | 40U |
| Bromomethane (Methyl bromide), ug/kg dw | 80U |
| Carbon disulfide, ug/kg dw | 240 |
| Chlorobenzene, ug/kg dw | 40U |
| Dibromochloromethane, ug/kg dw | 40U |
| Chloroethane, ug/kg dw | 80U |
| Chloromethane (Methyl chloride), ug/kg dw | 80U |
| Chloroform, ug/kg dw | 40U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 40U |
| Chloroprene, ug/kg dw | 40U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 80U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 40U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 40U |
| Dichlorodifluoromethane, ug/kg dw | 40U |
| 1,1-Dichloroethane, ug/kg dw | 40U |
| 1,2-Dichloroethane, ug/kg dw | 40U |
| trans-1,2-Dichloroethene, ug/kg dw | 40U |
| 1,1-Dichloroethylene, ug/kg dw | 40U |
| Methylene chloride (Dichloromethane), ug/kg dw | 40U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS369005110999005 | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 40U |
| cis-1,3-Dichloropropene, ug/kg dw | 40U |
| trans-1,3-Dichloropropene, ug/kg dw | 40U |
| Ethylbenzene, ug/kg dw | 130 |
| Methyl ethyl ketone, ug/kg dw | 330 |
| Iodomethane (Methyl iodide), ug/kg dw | 40U |
| Methacrylonitrile, ug/kg dw | 800U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 200U |
| Pentachloroethane, ug/kg dw | 200U |
| Styrene, ug/kg dw | 40U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 40U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 40U |
| Tetrachloroethene, ug/kg dw | 40U |
| Carbon tetrachloride, ug/kg dw | 40U |
| Toluene, ug/kg dw | 140 |
| Bromoform, ug/kg dw | 40U |
| 1,1,2-Trichloroethane, ug/kg dw | 40U |
| 1,1,1-Trichloroethane, ug/kg dw | 40U |
| Trichloroethene, ug/kg dw | 40U |
| Trichlorofluoromethane, ug/kg dw | 40U |
| 1,2,3-Trichloropropane, ug/kg dw | 40U |
| Vinyl acetate, ug/kg dw | 80U |
| Vinyl chloride, ug/kg dw | 80U |

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Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Xylenes, Total, ug/kg dw | 880 |
| 2-Hexanone, ug/kg dw | 200U |
| Propionitrile, ug/kg dw | 800U |
| Methyl methacrylate, ug/kg dw | 40U |
| Acrolein (Propenal), ug/kg dw | 800U |
| Acrylonitrile, ug/kg dw | 800U |
| Ethyl methacrylate, ug/kg dw | 40U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 1600U |
| Dibromomethane, ug/kg dw | 40U |
| cis-1,2-Dichloroethene | 40U |
| Surrogate - Toluene-d8 | 92 % |
| Surrogate - 4-Bromofluorobenzene | 70 % |
| Surrogate - Dibromofluoromethane | 95 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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Code: 163300111

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 7200U |
| 2-Acetylaminofluorene, ug/kg dw | 7200U |
| 4-Aminobiphenyl, ug/kg dw | 7200U |
| Aniline, ug/kg dw | 7200U |
| Aramite (total), ug/kg dw | 7200U |
| Benzyl alcohol, ug/kg dw | 7200U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 7200U |
| bis(2-Chloroethyl)ether, ug/kg dw | 7200U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 7200U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 7200U |
| 4-Bromophenylphenyl ether, ug/kg dw | 7200U |
| Butylbenzylphthalate, ug/kg dw | 7200U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 14000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 7200U |
| 2-Chloronaphthalene, ug/kg dw | 7200U |
| 2-Chlorophenol, ug/kg dw | 7200U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 7200U |
| Cresol, m & p, ug/kg dw | 7200U |
| Cresol (ortho), ug/kg dw | 7200U |
| Diallate, Total, ug/kg dw | 7200U |
| Dibenzofuran, ug/kg dw | 7200U |

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Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS369005110999005 | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 7200U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 14000U |
| 2,4-Dichlorophenol, ug/kg dw | 7200U |
| 2,6-Dichlorophenol, ug/kg dw | 7200U |
| Diethylphthalate, ug/kg dw | 7200U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 7200U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 7200U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 14000U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 1500000U |
| 2,4-Dimethylphenol, ug/kg dw | 7200U |
| Dimethylphthalate, ug/kg dw | 7200U |
| m-Dinitrobenzene , ug/kg dw | 7200U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 37000U |
| 2,4-Dinitrophenol, ug/kg dw | 37000U |
| 2,4-Dinitrotoluene, ug/kg dw | 7200U |
| 2,6-Dinitrotoluene, ug/kg dw | 7200U |
| Di-n-octylphthalate, ug/kg dw | 7200U |
| 1,4-Dioxane, ug/kg dw | 7200U |
| Ethyl methanesulfonate, ug/kg dw | 7200U |
| Hexachlorobenzene, ug/kg dw | 7200U |
| Hexachlorobutadiene, ug/kg dw | 7200U |
| Hexachlorocyclopentadiene, ug/kg dw | 7200U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 7200U | | |
| Hexachlorophene, ug/kg dw | 440000U | | |
| Hexachloropropene, ug/kg dw | 7200U | | |
| Isophorone, ug/kg dw | 7200U | | |
| Isosafrole, ug/kg dw | 7200U | | |
| Methapyrilene, ug/kg dw | 140000U | | |
| 3-Methylcholanthrene, ug/kg dw | 7200U | | |
| Methyl methanesulfonate, ug/kg dw | 7200U | | |
| 2-Methylnaphthalene, ug/kg dw | 7200U | | |
| 1,4-Naphthoquinone, ug/kg dw | 7200U | | |
| 1-Naphthylamine, ug/kg dw | 7200U | | |
| 2-Naphthylamine, ug/kg dw | 7200U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 37000U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 37000U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 37000U | | |
| Nitrobenzene, ug/kg dw | 7200U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 7200U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 37000U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 72000U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 7200U | | |
| N-Nitrosodiethylamine, ug/kg dw | 7200U | | |
| N-Nitrosodimethylamine, ug/kg dw | 7200U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 7200U | | |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 7200U |
| N-Nitrosomethylethylamine, ug/kg dw | 7200U |
| N-Nitrosomorpholine, ug/kg dw | 7200U |
| N-Nitrosopiperidine, ug/kg dw | 7200U |
| N-Nitrosopyrrolidine, ug/kg dw | 7200U |
| 5-Nitro-o-toluidine, ug/kg dw | 7200U |
| Pentachlorobenzene, ug/kg dw | 7200U |
| Pentachlorophenol, ug/kg dw | 37000U |
| Phenacetin, ug/kg dw | 7200U |
| Phenol, ug/kg dw | 7200U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 37000U |
| 2-Picoline, ug/kg dw | 7200U |
| Pronamide, ug/kg dw | 7200U |
| Pyridine, ug/kg dw | 7200U |
| Safrole, ug/kg dw | 7200U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 7200U |
| o-Toluidine, ug/kg dw | 7200U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 7200U |
| 2,4,5-Trichlorophenol, ug/kg dw | 7200U |
| 2,4,6-Trichlorophenol, ug/kg dw | 7200U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 7200U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 7200U |
| Famphur, ug/kg dw | 7200U |

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|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Dimethoate, ug/kg dw | 7200U |
| Quinoline, ug/kg dw | 7200U |
| Benzenethiol, ug/kg dw | 7200U |
| Kepone, ug/kg dw | 7200U |
| 1-Methylnaphthalene, ug/kg dw | 7200U |
| Pentachloronitrobenzene, ug/kg dw | 7200U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 7200U |
| 1,2-Dichlorobenzene, ug/kg dw | 7200U |
| 1,3-Dichlorobenzene, ug/kg dw | 7200U |
| 1,4-Dichlorobenzene, ug/kg dw | 7200U |
| Surrogate - Phenol-d5 | 55 % |
| Surrogate - 2-Fluorophenol | 64 % |
| Surrogate - 2,4,6-Tribromophenol | 68 % |
| Surrogate - Nitrobenzene-d5 | 56 % |
| Surrogate - 2-Fluorobiphenyl | 64 % |
| Surrogate - Terphenyl-d14 | 64 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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Contract No.: S7219
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Sampled By: Client
Code: 163300111

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|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 1500P |
| Acenaphthylene, ug/kg dw | 920 |
| Anthracene, ug/kg dw | 710 |
| Benzo(a)anthracene, ug/kg dw | 1700P |
| Benzo(a)pyrene, ug/kg dw | 1000P |
| Benzo(b)fluoranthene, ug/kg dw | 850P |
| Benzo(g,h,i)perylene, ug/kg dw | 3000 |
| Benzo(k)fluoranthene, ug/kg dw | 140P |
| Chrysene, ug/kg dw | 1400P |
| Dibenzo(a,h)anthracene, ug/kg dw | 850 |
| Fluoranthene, ug/kg dw | 980P |
| Fluorene, ug/kg dw | 1400 |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 230U |
| Naphthalene, ug/kg dw | 460U |
| Phenanthrene, ug/kg dw | 3300 |
| Pyrene, ug/kg dw | 3300P |
| Surrogate - Terphenyl-d14 | X % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1112J |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 41N |
| Arsenic, mg/kg dw | 10 |
| Barium, mg/kg dw | 570 |
| Beryllium, mg/kg dw | 0.56U |
| Cadmium, mg/kg dw | 2.0U |
| Chromium, mg/kg dw | 3800 |
| Cobalt, mg/kg dw | 8.0 |
| Copper, mg/kg dw | 100 |
| Nickel, mg/kg dw | 46 |
| Lead, mg/kg dw | 130 |
| Selenium, mg/kg dw | 50 |
| Silver, mg/kg dw | 4.0U |
| Tin, mg/kg dw | 20U |
| Thallium, mg/kg dw | 4.0U |
| Vanadium, mg/kg dw | 69 |
| Zinc, mg/kg dw | 810 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-1 | SS36900511099900S | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-1 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 1.5 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 4.9 U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |
| Sulfide (9030), mg/kg dw | 4300 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 25 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 1600U |
| Acetone, ug/kg dw | 1100 |
| Benzene, ug/kg dw | 39U |
| Bromodichloromethane, ug/kg dw | 39U |
| Bromomethane (Methyl bromide), ug/kg dw | 78U |
| Carbon disulfide, ug/kg dw | 480 |
| Chlorobenzene, ug/kg dw | 39U |
| Dibromochloromethane, ug/kg dw | 39U |
| Chloroethane, ug/kg dw | 78U |
| Chloromethane (Methyl chloride), ug/kg dw | 78U |
| Chloroform, ug/kg dw | 39U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 39U |
| Chloroprene, ug/kg dw | 39U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 78U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 39U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 39U |
| Dichlorodifluoromethane, ug/kg dw | 39U |
| 1,1-Dichloroethane, ug/kg dw | 39U |
| 1,2-Dichloroethane, ug/kg dw | 39U |
| trans-1,2-Dichloroethene, ug/kg dw | 39U |
| 1,1-Dichloroethylene, ug/kg dw | 39U |
| Methylene chloride (Dichloromethane), ug/kg dw | 39U |

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Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/kg dw | 39U | | |
| cis-1,3-Dichloropropene, ug/kg dw | 39U | | |
| trans-1,3-Dichloropropene, ug/kg dw | 39U | | |
| Ethylbenzene, ug/kg dw | 52 | | |
| Methyl ethyl ketone, ug/kg dw | 280 | | |
| Iodomethane (Methyl iodide), ug/kg dw | 39U | | |
| Methacrylonitrile, ug/kg dw | 780U | | |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 190U | | |
| Pentachloroethane, ug/kg dw | 190U | | |
| Styrene, ug/kg dw | 39U | | |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 39U | | |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 39U | | |
| Tetrachloroethene, ug/kg dw | 39U | | |
| Carbon tetrachloride, ug/kg dw | 39U | | |
| Toluene, ug/kg dw | 78 | | |
| Bromoform, ug/kg dw | 39U | | |
| 1,1,2-Trichloroethane, ug/kg dw | 39U | | |
| 1,1,1-Trichloroethane, ug/kg dw | 39U | | |
| Trichloroethene, ug/kg dw | 39U | | |
| Trichlorofluoromethane, ug/kg dw | 39U | | |
| 1,2,3-Trichloropropane, ug/kg dw | 39U | | |
| Vinyl acetate, ug/kg dw | 78U | | |
| Vinyl chloride, ug/kg dw | 78U | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Xylenes, Total, ug/kg dw | 300 |
| 2-Hexanone, ug/kg dw | 190U |
| Propionitrile, ug/kg dw | 780U |
| Methyl methacrylate, ug/kg dw | 39U |
| Acrolein (Propenal), ug/kg dw | 780U |
| Acrylonitrile, ug/kg dw | 780U |
| Ethyl methacrylate, ug/kg dw | 39U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 1600U |
| Dibromomethane, ug/kg dw | 39U |
| cis-1,2-Dichloroethene | 39U |
| Surrogate - Toluene-d8 | 97 % |
| Surrogate - 4-Bromofluorobenzene | 87 % |
| Surrogate - Dibromofluoromethane | 92 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 7700U |
| 2-Acetylaminofluorene, ug/kg dw | 7700U |
| 4-Aminobiphenyl, ug/kg dw | 7700U |
| Aniline, ug/kg dw | 7700U |
| Aramite (total), ug/kg dw | 7700U |
| Benzyl alcohol, ug/kg dw | 7700U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 7700U |
| bis(2-Chloroethyl)ether, ug/kg dw | 7700U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropy 1)ether], ug/kg dw | 7700U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 7700U |
| 4-Bromophenylphenyl ether, ug/kg dw | 7700U |
| Butylbenzylphthalate, ug/kg dw | 7700U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 15000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 7700U |
| 2-Chloronaphthalene, ug/kg dw | 7700U |
| 2-Chlorophenol, ug/kg dw | 7700U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 7700U |
| Cresol, m & p, ug/kg dw | 7700U |
| Cresol (ortho), ug/kg dw | 7700U |
| Diallate, Total, ug/kg dw | 7700U |
| Dibenzofuran, ug/kg dw | 7700U |

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|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 7700U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 15000U |
| 2,4-Dichlorophenol, ug/kg dw | 7700U |
| 2,6-Dichlorophenol, ug/kg dw | 7700U |
| Diethylphthalate, ug/kg dw | 7700U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 7700U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 7700U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 15000U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 1600000U |
| 2,4-Dimethylphenol, ug/kg dw | 7700U |
| Dimethylphthalate, ug/kg dw | 7700U |
| m-Dinitrobenzene , ug/kg dw | 7700U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 40000U |
| 2,4-Dinitrophenol, ug/kg dw | 40000U |
| 2,4-Dinitrotoluene, ug/kg dw | 7700U |
| 2,6-Dinitrotoluene, ug/kg dw | 7700U |
| Di-n-octylphthalate, ug/kg dw | 7700U |
| 1,4-Dioxane, ug/kg dw | 7700U |
| Ethyl methanesulfonate, ug/kg dw | 7700U |
| Hexachlorobenzene, ug/kg dw | 7700U |
| Hexachlorobutadiene, ug/kg dw | 7700U |
| Hexachlorocyclopentadiene, ug/kg dw | 7700U |

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|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Hexachloroethane, ug/kg dw | 7700U |
| Hexachlorophene, ug/kg dw | 460000U |
| Hexachloropropene, ug/kg dw | 7700U |
| Isophorone, ug/kg dw | 7700U |
| Isosafrole, ug/kg dw | 7700U |
| Methapyrilene, ug/kg dw | 150000U |
| 3-Methylcholanthrene, ug/kg dw | 7700U |
| Methyl methanesulfonate, ug/kg dw | 7700U |
| 2-Methylnaphthalene, ug/kg dw | 7700U |
| 1,4-Naphthoquinone, ug/kg dw | 7700U |
| 1-Naphthylamine, ug/kg dw | 7700U |
| 2-Naphthylamine, ug/kg dw | 7700U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 40000U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 40000U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 40000U |
| Nitrobenzene, ug/kg dw | 7700U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 7700U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 40000U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 77000U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 7700U |
| N-Nitrosodiethylamine, ug/kg dw | 7700U |
| N-Nitrosodimethylamine, ug/kg dw | 7700U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 7700U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 7700U |
| N-Nitrosomethylethylamine, ug/kg dw | 7700U |
| N-Nitrosomorpholine, ug/kg dw | 7700U |
| N-Nitrosopiperidine, ug/kg dw | 7700U |
| N-Nitrosopyrrolidine, ug/kg dw | 7700U |
| 5-Nitro-o-toluidine, ug/kg dw | 7700U |
| Pentachlorobenzene, ug/kg dw | 7700U |
| Pentachlorophenol, ug/kg dw | 40000U |
| Phenacetin, ug/kg dw | 7700U |
| Phenol, ug/kg dw | 7700U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 40000U |
| 2-Picoline, ug/kg dw | 7700U |
| Pronamide, ug/kg dw | 7700U |
| Pyridine, ug/kg dw | 7700U |
| Safrole, ug/kg dw | 7700U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 7700U |
| o-Toluidine, ug/kg dw | 7700U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 7700U |
| 2,4,5-Trichlorophenol, ug/kg dw | 7700U |
| 2,4,6-Trichlorophenol, ug/kg dw | 7700U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 7700U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 7700U |
| Famphur, ug/kg dw | 7700U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Dimethoate, ug/kg dw | 7700U |
| Quinoline, ug/kg dw | 7700U |
| Benzenethiol, ug/kg dw | 7700U |
| Kepone, ug/kg dw | 7700U |
| 1-Methylnaphthalene, ug/kg dw | 7700U |
| Pentachloronitrobenzene, ug/kg dw | 7700U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 7700U |
| 1,2-Dichlorobenzene, ug/kg dw | 7700U |
| 1,3-Dichlorobenzene, ug/kg dw | 7700U |
| 1,4-Dichlorobenzene, ug/kg dw | 7700U |
| Surrogate - Phenol-d5 | 51 % |
| Surrogate - 2-Fluorophenol | 63 % |
| Surrogate - 2,4,6-Tribromophenol | 68 % |
| Surrogate - Nitrobenzene-d5 | 56 % |
| Surrogate - 2-Fluorobiphenyl | 56 % |
| Surrogate - Terphenyl-d14 | 64 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 12000U |
| Acenaphthylene, ug/kg dw | 5000U |
| Anthracene, ug/kg dw | 1500 |
| Benzo(a)anthracene, ug/kg dw | 5100 |
| Benzo(a)pyrene, ug/kg dw | 2400 |
| Benzo(b)fluoranthene, ug/kg dw | 1900P |
| Benzo(g,h,i)perylene, ug/kg dw | 6300 |
| Benzo(k)fluoranthene, ug/kg dw | 1000U |
| Chrysene, ug/kg dw | 3700P |
| Dibenzo(a,h)anthracene, ug/kg dw | 2500U |
| Fluoranthene, ug/kg dw | 2500U |
| Fluorene, ug/kg dw | 2500U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 2500U |
| Naphthalene, ug/kg dw | 5000U |
| Phenanthrene, ug/kg dw | 5600 |
| Pyrene, ug/kg dw | 9600P |
| Surrogate - Terphenyl-d14 | X % |
| Dilution Factor | 10.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1112J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 39N |
| Arsenic, mg/kg dw | 11 |
| Barium, mg/kg dw | 560 |
| Beryllium, mg/kg dw | 0.61U |
| Cadmium, mg/kg dw | 2.2U |
| Chromium, mg/kg dw | 4200 |
| Cobalt, mg/kg dw | 8.2 |
| Copper, mg/kg dw | 100 |
| Nickel, mg/kg dw | 45 |
| Lead, mg/kg dw | 130 |
| Selenium, mg/kg dw | 51 |
| Silver, mg/kg dw | 4.3U |
| Tin, mg/kg dw | 22U |
| Thallium, mg/kg dw | 4.3U |
| Vanadium, mg/kg dw | 66 |
| Zinc, mg/kg dw | 800 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.29.99 |
| Batch ID | 1126A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-2 | SS36900511099900D | 11-09-99/10:45 | WRR002 |

| PARAMETER | 17577-2 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.87 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 4.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |
| Sulfide (9030), mg/kg dw | 3300 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 23 |

Elizabeth F. Beauchamp, Project Manager

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Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 410U |
| Acetone, ug/kg dw | 100U |
| Benzene, ug/kg dw | 10U |
| Bromodichloromethane, ug/kg dw | 10U |
| Bromomethane (Methyl bromide), ug/kg dw | 20U |
| Carbon disulfide, ug/kg dw | 10U |
| Chlorobenzene, ug/kg dw | 10U |
| Dibromochloromethane, ug/kg dw | 10U |
| Chloroethane, ug/kg dw | 20U |
| Chloromethane (Methyl chloride), ug/kg dw | 20U |
| Chloroform, ug/kg dw | 10U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 10U |
| Chloroprene, ug/kg dw | 10U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 20U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 10U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 10U |
| Dichlorodifluoromethane, ug/kg dw | 10U |
| 1,1-Dichloroethane, ug/kg dw | 10U |
| 1,2-Dichloroethane, ug/kg dw | 10U |
| trans-1,2-Dichloroethene, ug/kg dw | 10U |
| 1,1-Dichloroethylene, ug/kg dw | 10U |
| Methylene chloride (Dichloromethane), ug/kg dw | 10U |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163300111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 10U |
| cis-1,3-Dichloropropene, ug/kg dw | 10U |
| trans-1,3-Dichloropropene, ug/kg dw | 10U |
| Ethylbenzene, ug/kg dw | 10U |
| Methyl ethyl ketone, ug/kg dw | 51U |
| Iodomethane (Methyl iodide), ug/kg dw | 10U |
| Methacrylonitrile, ug/kg dw | 200U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 51U |
| Pentachloroethane, ug/kg dw | 51U |
| Styrene, ug/kg dw | 10U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 10U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 10U |
| Tetrachloroethene, ug/kg dw | 10U |
| Carbon tetrachloride, ug/kg dw | 10U |
| Toluene, ug/kg dw | 10U |
| Bromoform, ug/kg dw | 10U |
| 1,1,2-Trichloroethane, ug/kg dw | 10U |
| 1,1,1-Trichloroethane, ug/kg dw | 10U |
| Trichloroethene, ug/kg dw | 10U |
| Trichlorofluoromethane, ug/kg dw | 10U |
| 1,2,3-Trichloropropane, ug/kg dw | 10U |
| Vinyl acetate, ug/kg dw | 20U |
| Vinyl chloride, ug/kg dw | 20U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Xylenes, Total, ug/kg dw | 20U |
| 2-Hexanone, ug/kg dw | 51U |
| Propionitrile, ug/kg dw | 200U |
| Methyl methacrylate, ug/kg dw | 10U |
| Acrolein (Propenal), ug/kg dw | 200U |
| Acrylonitrile, ug/kg dw | 200U |
| Ethyl methacrylate, ug/kg dw | 10U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 410U |
| Dibromomethane, ug/kg dw | 10U |
| cis-1,2-Dichloroethene | 10U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 95 % |
| Surrogate - Dibromofluoromethane | 100 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 570U |
| 2-Acetylaminofluorene, ug/kg dw | 570U |
| 4-Aminobiphenyl, ug/kg dw | 570U |
| Aniline, ug/kg dw | 570U |
| Aramite (total), ug/kg dw | 570U |
| Benzyl alcohol, ug/kg dw | 570U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 570U |
| bis(2-Chloroethyl)ether, ug/kg dw | 570U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 570U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 570U |
| 4-Bromophenylphenyl ether, ug/kg dw | 570U |
| Butylbenzylphthalate, ug/kg dw | 570U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 1100U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 570U |
| 2-Chloronaphthalene, ug/kg dw | 570U |
| 2-Chlorophenol, ug/kg dw | 570U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 570U |
| Cresol, m & p, ug/kg dw | 570U |
| Cresol (ortho), ug/kg dw | 570U |
| Diallate, Total, ug/kg dw | 570U |
| Dibenzofuran, ug/kg dw | 570U |

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|---|---|---|---|
| 17577-3 | SS364004110999 00S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 570U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 1100U |
| 2,4-Dichlorophenol, ug/kg dw | 570U |
| 2,6-Dichlorophenol, ug/kg dw | 570U |
| Diethylphthalate, ug/kg dw | 570U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 570U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 570U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 1100U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 120000U |
| 2,4-Dimethylphenol, ug/kg dw | 570U |
| Dimethylphthalate, ug/kg dw | 570U |
| m-Dinitrobenzene , ug/kg dw | 570U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2900U |
| 2,4-Dinitrophenol, ug/kg dw | 2900U |
| 2,4-Dinitrotoluene, ug/kg dw | 570U |
| 2,6-Dinitrotoluene, ug/kg dw | 570U |
| Di-n-octylphthalate, ug/kg dw | 570U |
| 1,4-Dioxane, ug/kg dw | 570U |
| Ethyl methanesulfonate, ug/kg dw | 570U |
| Hexachlorobenzene, ug/kg dw | 570U |
| Hexachlorobutadiene, ug/kg dw | 570U |
| Hexachlorocyclopentadiene, ug/kg dw | 570U |

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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 570U | | |
| Hexachlorophene, ug/kg dw | 34000U | | |
| Hexachloropropene, ug/kg dw | 570U | | |
| Isophorone, ug/kg dw | 570U | | |
| Isosafrole, ug/kg dw | 570U | | |
| Methapyrilene, ug/kg dw | 11000U | | |
| 3-Methylcholanthrene, ug/kg dw | 570U | | |
| Methyl methanesulfonate, ug/kg dw | 570U | | |
| 2-Methylnaphthalene, ug/kg dw | 570U | | |
| 1,4-Naphthoquinone, ug/kg dw | 570U | | |
| 1-Naphthylamine, ug/kg dw | 570U | | |
| 2-Naphthylamine, ug/kg dw | 570U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2900U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2900U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2900U | | |
| Nitrobenzene, ug/kg dw | 570U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 570U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2900U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 5700U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 570U | | |
| N-Nitrosodiethylamine, ug/kg dw | 570U | | |
| N-Nitrosodimethylamine, ug/kg dw | 570U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 570U | | |

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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 | | |
|---|---|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 570U | | |
| N-Nitrosomethylethylamine, ug/kg dw | 570U | | |
| N-Nitrosomorpholine, ug/kg dw | 570U | | |
| N-Nitrosopiperidine, ug/kg dw | 570U | | |
| N-Nitrosopyrrolidine, ug/kg dw | 570U | | |
| 5-Nitro-o-toluidine, ug/kg dw | 570U | | |
| Pentachlorobenzene, ug/kg dw | 570U | | |
| Pentachlorophenol, ug/kg dw | 2900U | | |
| Phenacetin, ug/kg dw | 570U | | |
| Phenol, ug/kg dw | 570U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2900U | | |
| 2-Picoline, ug/kg dw | 570U | | |
| Pronamide, ug/kg dw | 570U | | |
| Pyridine, ug/kg dw | 570U | | |
| Safrole, ug/kg dw | 570U | | |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 570U | | |
| o-Toluidine, ug/kg dw | 570U | | |
| 1,2,4-Trichlorobenzene, ug/kg dw | 570U | | |
| 2,4,5-Trichlorophenol, ug/kg dw | 570U | | |
| 2,4,6-Trichlorophenol, ug/kg dw | 570U | | |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 570U | | |
| 1,3,5-Trinitrobenzene, ug/kg dw | 570U | | |
| Famphur, ug/kg dw | 570U | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Dimethoate, ug/kg dw | 570U |
| Quinoline, ug/kg dw | 570U |
| Benzenethiol, ug/kg dw | 570U |
| Kepone, ug/kg dw | 570U |
| 1-Methylnaphthalene, ug/kg dw | 570U |
| Pentachloronitrobenzene, ug/kg dw | 570U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 570U |
| 1,2-Dichlorobenzene, ug/kg dw | 570U |
| 1,3-Dichlorobenzene, ug/kg dw | 570U |
| 1,4-Dichlorobenzene, ug/kg dw | 570U |
| Surrogate - Phenol-d5 | 46 % |
| Surrogate - 2-Fluorophenol | 56 % |
| Surrogate - 2,4,6-Tribromophenol | 51 % |
| Surrogate - Nitrobenzene-d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 52 % |
| Surrogate - Terphenyl-d14 | 52 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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REPORT OF RESULTS



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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 370P |
| Acenaphthylene, ug/kg dw | 34U |
| Anthracene, ug/kg dw | 6.8U |
| Benzo(a)anthracene, ug/kg dw | 6.8U |
| Benzo(a)pyrene, ug/kg dw | 6.8U |
| Benzo(b)fluoranthene, ug/kg dw | 8.6 |
| Benzo(g,h,i)perylene, ug/kg dw | 18P |
| Benzo(k)fluoranthene, ug/kg dw | 6.8U |
| Chrysene, ug/kg dw | 6.8U |
| Dibenzo(a,h)anthracene, ug/kg dw | 17U |
| Fluoranthene, ug/kg dw | 17U |
| Fluorene, ug/kg dw | 17U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 17U |
| Naphthalene, ug/kg dw | 34U |
| Phenanthrene, ug/kg dw | 6.8U |
| Pyrene, ug/kg dw | 17U |
| Surrogate - Terphenyl-d14 | 44 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1112J |

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Sampled By: Client
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REPORT OF RESULTS



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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 130N |
| Arsenic, mg/kg dw | 11U |
| Barium, mg/kg dw | 490 |
| Beryllium, mg/kg dw | 0.28 |
| Cadmium, mg/kg dw | 5.0 |
| Chromium, mg/kg dw | 21000 |
| Cobalt, mg/kg dw | 34U |
| Copper, mg/kg dw | 69U |
| Nickel, mg/kg dw | 140U |
| Lead, mg/kg dw | 500 |
| Selenium, mg/kg dw | 34U |
| Silver, mg/kg dw | 34U |
| Tin, mg/kg dw | 1.7U |
| Thallium, mg/kg dw | 34U |
| Vanadium, mg/kg dw | 55 |
| Zinc, mg/kg dw | 320 |
| Dilution Factor | 20.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |

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|---|---|---|---|
| 17577-3 | SS36400411099900S | 11-09-99/16:00 | WRR002 |

| PARAMETER | 17577-3 |
|---|---|
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 1.7 |
| Dilution Factor | 5.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Cyanide (9010)** | |
| Cyanide, Total, mg/kg dw | 3.3 U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |
| Sulfide (9030), mg/kg dw | 43U |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 58 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 270U |
| Acetone, ug/kg dw | 69U |
| Benzene, ug/kg dw | 6.9U |
| Bromodichloromethane, ug/kg dw | 6.9U |
| Bromomethane (Methyl bromide), ug/kg dw | 14U |
| Carbon disulfide, ug/kg dw | 6.9U |
| Chlorobenzene, ug/kg dw | 6.9U |
| Dibromochloromethane, ug/kg dw | 6.9U |
| Chloroethane, ug/kg dw | 14U |
| Chloromethane (Methyl chloride), ug/kg dw | 14U |
| Chloroform, ug/kg dw | 6.9U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.9U |
| Chloroprene, ug/kg dw | 6.9U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 14U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.9U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.9U |
| Dichlorodifluoromethane, ug/kg dw | 6.9U |
| 1,1-Dichloroethane, ug/kg dw | 6.9U |
| 1,2-Dichloroethane, ug/kg dw | 6.9U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.9U |
| 1,1-Dichloroethylene, ug/kg dw | 6.9U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.9U |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.9U |
| cis-1,3-Dichloropropene, ug/kg dw | 6.9U |
| trans-1,3-Dichloropropene, ug/kg dw | 6.9U |
| Ethylbenzene, ug/kg dw | 6.9U |
| Methyl ethyl ketone, ug/kg dw | 34U |
| Iodomethane (Methyl iodide), ug/kg dw | 6.9U |
| Methacrylonitrile, ug/kg dw | 140U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 34U |
| Pentachloroethane, ug/kg dw | 34U |
| Styrene, ug/kg dw | 6.9U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.9U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.9U |
| Tetrachloroethene, ug/kg dw | 6.9U |
| Carbon tetrachloride, ug/kg dw | 6.9U |
| Toluene, ug/kg dw | 6.9U |
| Bromoform, ug/kg dw | 6.9U |
| 1,1,2-Trichloroethane, ug/kg dw | 6.9U |
| 1,1,1-Trichloroethane, ug/kg dw | 6.9U |
| Trichloroethene, ug/kg dw | 6.9U |
| Trichlorofluoromethane, ug/kg dw | 6.9U |
| 1,2,3-Trichloropropane, ug/kg dw | 6.9U |
| Vinyl acetate, ug/kg dw | 14U |
| Vinyl chloride, ug/kg dw | 14U |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Xylenes, Total, ug/kg dw | 14U |
| 2-Hexanone, ug/kg dw | 34U |
| Propionitrile, ug/kg dw | 140U |
| Methyl methacrylate, ug/kg dw | 6.9U |
| Acrolein (Propenal), ug/kg dw | 140U |
| Acrylonitrile, ug/kg dw | 140U |
| Ethyl methacrylate, ug/kg dw | 6.9U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 270U |
| Dibromomethane, ug/kg dw | 6.9U |
| cis-1,2-Dichloroethene | 6.9U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 96 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 2M1118 |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 470U |
| 2-Acetylaminofluorene, ug/kg dw | 470U |
| 4-Aminobiphenyl, ug/kg dw | 470U |
| Aniline, ug/kg dw | 470U |
| Aramite (total), ug/kg dw | 470U |
| Benzyl alcohol, ug/kg dw | 470U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 470U |
| bis(2-Chloroethyl)ether, ug/kg dw | 470U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 470U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 1000 |
| 4-Bromophenylphenyl ether, ug/kg dw | 470U |
| Butylbenzylphthalate, ug/kg dw | 470U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 940U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 470U |
| 2-Chloronaphthalene, ug/kg dw | 470U |
| 2-Chlorophenol, ug/kg dw | 470U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 470U |
| Cresol, m & p, ug/kg dw | 470U |
| Cresol (ortho), ug/kg dw | 470U |
| Diallate, Total, ug/kg dw | 470U |
| Dibenzofuran, ug/kg dw | 470U |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 | | |
|---|---|---|---|
| Di-n-butylphthalate, ug/kg dw | 470U | | |
| 3,3'-Dichlorobenzidine, ug/kg dw | 940U | | |
| 2,4-Dichlorophenol, ug/kg dw | 470U | | |
| 2,6-Dichlorophenol, ug/kg dw | 470U | | |
| Diethylphthalate, ug/kg dw | 470U | | |
| p-(Dimethylamino)azobenzene, ug/kg dw | 470U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 470U | | |
| 3,3'-Dimethylbenzidine, ug/kg dw | 940U | | |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 95000U | | |
| 2,4-Dimethylphenol, ug/kg dw | 470U | | |
| Dimethylphthalate, ug/kg dw | 470U | | |
| m-Dinitrobenzene , ug/kg dw | 470U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2400U | | |
| 2,4-Dinitrophenol, ug/kg dw | 2400U | | |
| 2,4-Dinitrotoluene, ug/kg dw | 470U | | |
| 2,6-Dinitrotoluene, ug/kg dw | 470U | | |
| Di-n-octylphthalate, ug/kg dw | 470U | | |
| 1,4-Dioxane, ug/kg dw | 470U | | |
| Ethyl methanesulfonate, ug/kg dw | 470U | | |
| Hexachlorobenzene, ug/kg dw | 470U | | |
| Hexachlorobutadiene, ug/kg dw | 470U | | |
| Hexachlorocyclopentadiene, ug/kg dw | 470U | | |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Hexachloroethane, ug/kg dw | 470U |
| Hexachlorophene, ug/kg dw | 28000U |
| Hexachloropropene, ug/kg dw | 470U |
| Isophorone, ug/kg dw | 470U |
| Isosafrole, ug/kg dw | 470U |
| Methapyrilene, ug/kg dw | 9400U |
| 3-Methylcholanthrene, ug/kg dw | 470U |
| Methyl methanesulfonate, ug/kg dw | 470U |
| 2-Methylnaphthalene, ug/kg dw | 470U |
| 1,4-Naphthoquinone, ug/kg dw | 470U |
| 1-Naphthylamine, ug/kg dw | 470U |
| 2-Naphthylamine, ug/kg dw | 470U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2400U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2400U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2400U |
| Nitrobenzene, ug/kg dw | 470U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 470U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2400U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4700U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 470U |
| N-Nitrosodiethylamine, ug/kg dw | 470U |
| N-Nitrosodimethylamine, ug/kg dw | 470U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 470U |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 | | |
|---|---|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 470U | | |
| N-Nitrosomethylethylamine, ug/kg dw | 470U | | |
| N-Nitrosomorpholine, ug/kg dw | 470U | | |
| N-Nitrosopiperidine, ug/kg dw | 470U | | |
| N-Nitrosopyrrolidine, ug/kg dw | 470U | | |
| 5-Nitro-o-toluidine, ug/kg dw | 470U | | |
| Pentachlorobenzene, ug/kg dw | 470U | | |
| Pentachlorophenol, ug/kg dw | 2400U | | |
| Phenacetin, ug/kg dw | 470U | | |
| Phenol, ug/kg dw | 470U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2400U | | |
| 2-Picoline, ug/kg dw | 470U | | |
| Pronamide, ug/kg dw | 470U | | |
| Pyridine, ug/kg dw | 470U | | |
| Safrole, ug/kg dw | 470U | | |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 470U | | |
| o-Toluidine, ug/kg dw | 470U | | |
| 1,2,4-Trichlorobenzene, ug/kg dw | 470U | | |
| 2,4,5-Trichlorophenol, ug/kg dw | 470U | | |
| 2,4,6-Trichlorophenol, ug/kg dw | 470U | | |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 470U | | |
| 1,3,5-Trinitrobenzene, ug/kg dw | 470U | | |
| Famphur, ug/kg dw | 470U | | |

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|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Dimethoate, ug/kg dw | 470U |
| Quinoline, ug/kg dw | 470U |
| Benzenethiol, ug/kg dw | 470U |
| Kepone, ug/kg dw | 470U |
| 1-Methylnaphthalene, ug/kg dw | 470U |
| Pentachloronitrobenzene, ug/kg dw | 470U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 470U |
| 1,2-Dichlorobenzene, ug/kg dw | 470U |
| 1,3-Dichlorobenzene, ug/kg dw | 470U |
| 1,4-Dichlorobenzene, ug/kg dw | 470U |
| Surrogate - Phenol-d5 | 49 % |
| Surrogate - 2-Fluorophenol | 62 % |
| Surrogate - 2,4,6-Tribromophenol | 60 % |
| Surrogate - Nitrobenzene-d5 | 46 % |
| Surrogate - 2-Fluorobiphenyl | 50 % |
| Surrogate - Terphenyl-d14 | 58 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 71U |
| Acenaphthylene, ug/kg dw | 28U |
| Anthracene, ug/kg dw | 5.7U |
| Benzo(a)anthracene, ug/kg dw | 12P |
| Benzo(a)pyrene, ug/kg dw | 5.7U |
| Benzo(b)fluoranthene, ug/kg dw | 5.7U |
| Benzo(g,h,i)perylene, ug/kg dw | 14U |
| Benzo(k)fluoranthene, ug/kg dw | 5.7U |
| Chrysene, ug/kg dw | 8.2 |
| Dibenzo(a,h)anthracene, ug/kg dw | 14U |
| Fluoranthene, ug/kg dw | 14U |
| Fluorene, ug/kg dw | 14U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 14U |
| Naphthalene, ug/kg dw | 28U |
| Phenanthrene, ug/kg dw | 5.7U |
| Pyrene, ug/kg dw | 14U |
| Surrogate - Terphenyl-d14 | 80 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1112J |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.6UN |
| Arsenic, mg/kg dw | 8.3 |
| Barium, mg/kg dw | 240 |
| Beryllium, mg/kg dw | 1.0 |
| Cadmium, mg/kg dw | 0.71U |
| Chromium, mg/kg dw | 36 |
| Cobalt, mg/kg dw | 9.9 |
| Copper, mg/kg dw | 27 |
| Nickel, mg/kg dw | 24 |
| Lead, mg/kg dw | 16 |
| Selenium, mg/kg dw | 1.4U |
| Silver, mg/kg dw | 1.4U |
| Tin, mg/kg dw | 7.1U |
| Thallium, mg/kg dw | 1.4U |
| Vanadium, mg/kg dw | 45 |
| Zinc, mg/kg dw | 92 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS36900811099900S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.049 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Cyanide (9010)** | |
| Cyanide, Total, mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |
| **Sulfide (9030), mg/kg dw** | 120 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| **pH in Soil (9045)** | |
| pH, units | 8.13 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-4 | SS369008110999 00S | 11-09-99/11:15 | WRR002 |

| PARAMETER | 17577-4 |
|---|---|
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 4700 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| Percent Solids | 70 |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 175800119

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS369011110999005 | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 260U |
| Acetone, ug/kg dw | 65U |
| Benzene, ug/kg dw | 6.5U |
| Bromodichloromethane, ug/kg dw | 6.5U |
| Bromomethane (Methyl bromide), ug/kg dw | 13U |
| Carbon disulfide, ug/kg dw | 6.5U |
| Chlorobenzene, ug/kg dw | 6.5U |
| Dibromochloromethane, ug/kg dw | 6.5U |
| Chloroethane, ug/kg dw | 13U |
| Chloromethane (Methyl chloride), ug/kg dw | 13U |
| Chloroform, ug/kg dw | 6.5U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.5U |
| Chloroprene, ug/kg dw | 6.5U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 13U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.5U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.5U |
| Dichlorodifluoromethane, ug/kg dw | 6.5U |
| 1,1-Dichloroethane, ug/kg dw | 6.5U |
| 1,2-Dichloroethane, ug/kg dw | 6.5U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.5U |
| 1,1-Dichloroethylene, ug/kg dw | 6.5U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.5U |

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Sampled By: Client
Code: 171300113

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.5U |
| cis-1,3-Dichloropropene, ug/kg dw | 6.5U |
| trans-1,3-Dichloropropene, ug/kg dw | 6.5U |
| Ethylbenzene, ug/kg dw | 6.5U |
| Methyl ethyl ketone, ug/kg dw | 32U |
| Iodomethane (Methyl iodide), ug/kg dw | 6.5U |
| Methacrylonitrile, ug/kg dw | 130U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 32U |
| Pentachloroethane, ug/kg dw | 32U |
| Styrene, ug/kg dw | 6.5U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.5U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.5U |
| Tetrachloroethene, ug/kg dw | 6.5U |
| Carbon tetrachloride, ug/kg dw | 6.5U |
| Toluene, ug/kg dw | 6.5U |
| Bromoform, ug/kg dw | 6.5U |
| 1,1,2-Trichloroethane, ug/kg dw | 6.5U |
| 1,1,1-Trichloroethane, ug/kg dw | 6.5U |
| Trichloroethene, ug/kg dw | 6.5U |
| Trichlorofluoromethane, ug/kg dw | 6.5U |
| 1,2,3-Trichloropropane, ug/kg dw | 6.5U |
| Vinyl acetate, ug/kg dw | 13U |
| Vinyl chloride, ug/kg dw | 13U |

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|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Xylenes, Total, ug/kg dw | 13U |
| 2-Hexanone, ug/kg dw | 32U |
| Propionitrile, ug/kg dw | 130U |
| Methyl methacrylate, ug/kg dw | 6.5U |
| Acrolein (Propenal), ug/kg dw | 130U |
| Acrylonitrile, ug/kg dw | 130U |
| Ethyl methacrylate, ug/kg dw | 6.5U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 260U |
| Dibromomethane, ug/kg dw | 6.5U |
| cis-1,2-Dichloroethene | 6.5U |
| Surrogate - Toluene-d8 | 98 % |
| Surrogate - 4-Bromofluorobenzene | 95 % |
| Surrogate - Dibromofluoromethane | 94 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 2M1118 |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 171300113

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 440U |
| 2-Acetylaminofluorene, ug/kg dw | 440U |
| 4-Aminobiphenyl, ug/kg dw | 440U |
| Aniline, ug/kg dw | 440U |
| Aramite (total), ug/kg dw | 440U |
| Benzyl alcohol, ug/kg dw | 440U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 440U |
| bis(2-Chloroethyl)ether, ug/kg dw | 440U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 440U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 440U |
| 4-Bromophenylphenyl ether, ug/kg dw | 440U |
| Butylbenzylphthalate, ug/kg dw | 440U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 880U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 440U |
| 2-Chloronaphthalene, ug/kg dw | 440U |
| 2-Chlorophenol, ug/kg dw | 440U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 440U |
| Cresol, m & p, ug/kg dw | 440U |
| Cresol (ortho), ug/kg dw | 440U |
| Diallate, Total, ug/kg dw | 440U |
| Dibenzofuran, ug/kg dw | 440U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 440U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 880U |
| 2,4-Dichlorophenol, ug/kg dw | 440U |
| 2,6-Dichlorophenol, ug/kg dw | 440U |
| Diethylphthalate, ug/kg dw | 440U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 440U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 440U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 880U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 90000U |
| 2,4-Dimethylphenol, ug/kg dw | 440U |
| Dimethylphthalate, ug/kg dw | 440U |
| m-Dinitrobenzene , ug/kg dw | 440U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2300U |
| 2,4-Dinitrophenol, ug/kg dw | 2300U |
| 2,4-Dinitrotoluene, ug/kg dw | 440U |
| 2,6-Dinitrotoluene, ug/kg dw | 440U |
| Di-n-octylphthalate, ug/kg dw | 440U |
| 1,4-Dioxane, ug/kg dw | 440U |
| Ethyl methanesulfonate, ug/kg dw | 440U |
| Hexachlorobenzene, ug/kg dw | 440U |
| Hexachlorobutadiene, ug/kg dw | 440U |
| Hexachlorocyclopentadiene, ug/kg dw | 440U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Hexachloroethane, ug/kg dw | 440U |
| Hexachlorophene, ug/kg dw | 27000U |
| Hexachloropropene, ug/kg dw | 440U |
| Isophorone, ug/kg dw | 440U |
| Isosafrole, ug/kg dw | 440U |
| Methapyrilene, ug/kg dw | 8800U |
| 3-Methylcholanthrene, ug/kg dw | 440U |
| Methyl methanesulfonate, ug/kg dw | 440U |
| 2-Methylnaphthalene, ug/kg dw | 440U |
| 1,4-Naphthoquinone, ug/kg dw | 440U |
| 1-Naphthylamine, ug/kg dw | 440U |
| 2-Naphthylamine, ug/kg dw | 440U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2300U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2300U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2300U |
| Nitrobenzene, ug/kg dw | 440U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 440U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2300U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4400U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 440U |
| N-Nitrosodiethylamine, ug/kg dw | 440U |
| N-Nitrosodimethylamine, ug/kg dw | 440U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 440U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 440U |
| N-Nitrosomethylethylamine, ug/kg dw | 440U |
| N-Nitrosomorpholine, ug/kg dw | 440U |
| N-Nitrosopiperidine, ug/kg dw | 440U |
| N-Nitrosopyrrolidine, ug/kg dw | 440U |
| 5-Nitro-o-toluidine, ug/kg dw | 440U |
| Pentachlorobenzene, ug/kg dw | 440U |
| Pentachlorophenol, ug/kg dw | 2300U |
| Phenacetin, ug/kg dw | 440U |
| Phenol, ug/kg dw | 440U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2300U |
| 2-Picoline, ug/kg dw | 440U |
| Pronamide, ug/kg dw | 440U |
| Pyridine, ug/kg dw | 440U |
| Safrole, ug/kg dw | 440U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 440U |
| o-Toluidine, ug/kg dw | 440U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 440U |
| 2,4,5-Trichlorophenol, ug/kg dw | 440U |
| 2,4,6-Trichlorophenol, ug/kg dw | 440U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 440U |
| 1,3,5-Trinitrobenzene, ug/kg dw | 440U |
| Famphur, ug/kg dw | 440U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Dimethoate, ug/kg dw | 440U |
| Quinoline, ug/kg dw | 440U |
| Benzenethiol, ug/kg dw | 440U |
| Kepone, ug/kg dw | 440U |
| 1-Methylnaphthalene, ug/kg dw | 440U |
| Pentachloronitrobenzene, ug/kg dw | 440U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 440U |
| 1,2-Dichlorobenzene, ug/kg dw | 440U |
| 1,3-Dichlorobenzene, ug/kg dw | 440U |
| 1,4-Dichlorobenzene, ug/kg dw | 440U |
| Surrogate - Phenol-d5 | 45 % |
| Surrogate - 2-Fluorophenol | 57 % |
| Surrogate - 2,4,6-Tribromophenol | 57 % |
| Surrogate - Nitrobenzene-d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 54 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1112A |

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Code: 171300113

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 520P |
| Acenaphthylene, ug/kg dw | 27U |
| Anthracene, ug/kg dw | 5.2U |
| Benzo(a)anthracene, ug/kg dw | 5.2U |
| Benzo(a)pyrene, ug/kg dw | 6.3 |
| Benzo(b)fluoranthene, ug/kg dw | 9.8P |
| Benzo(g,h,i)perylene, ug/kg dw | 16 |
| Benzo(k)fluoranthene, ug/kg dw | 5.2U |
| Chrysene, ug/kg dw | 12 |
| Dibenzo(a,h)anthracene, ug/kg dw | 17 |
| Fluoranthene, ug/kg dw | 13U |
| Fluorene, ug/kg dw | 13U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 13U |
| Naphthalene, ug/kg dw | 29 |
| Phenanthrene, ug/kg dw | 9.4 |
| Pyrene, ug/kg dw | 13U |
| Surrogate - Terphenyl-d14 | 60 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1112J |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 171300113

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.7UN |
| Arsenic, mg/kg dw | 5.6 |
| Barium, mg/kg dw | 250 |
| Beryllium, mg/kg dw | 0.93 |
| Cadmium, mg/kg dw | 0.68U |
| Chromium, mg/kg dw | 22 |
| Cobalt, mg/kg dw | 9.1 |
| Copper, mg/kg dw | 23 |
| Nickel, mg/kg dw | 23 |
| Lead, mg/kg dw | 15 |
| Selenium, mg/kg dw | 1.4U |
| Silver, mg/kg dw | 1.4U |
| Tin, mg/kg dw | 6.8U |
| Thallium, mg/kg dw | 1.4U |
| Vanadium, mg/kg dw | 38 |
| Zinc, mg/kg dw | 74 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 171300113

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.032U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Cyanide (9010)** | |
| Cyanide, Total, mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |
| **Sulfide (9030), mg/kg dw** | 34U |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| **pH in Soil (9045)** | |
| pH, units | 8.40 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-5 | SS36901111099900S | 11-09-99/13:30 | WRR002 |

| PARAMETER | 17577-5 |
|---|---|
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 5300 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |
| Percent Solids | 74 |

Elizabeth F. Beauchamp, Project Manager

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Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/l | 200U |
| Acetone, ug/l | 50U |
| Benzene, ug/l | 5.0U |
| Bromodichloromethane, ug/l | 5.0U |
| Bromomethane (Methyl bromide), ug/l | 10U |
| Carbon disulfide, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Dibromochloromethane, ug/l | 5.0U |
| Chloroethane, ug/l | 10U |
| Chloromethane (Methyl chloride), ug/l | 10U |
| Chloroform, ug/l | 5.0U |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U |
| Chloroprene, ug/l | 5.0U |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| trans-1,4-Dichloro-2-butene, ug/l | 10U |
| Dichlorodifluoromethane, ug/l | 5.0U |
| 1,1-Dichloroethane, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| trans-1,2-Dichloroethene, ug/l | 5.0U |
| 1,1-Dichloroethylene, ug/l | 5.0U |
| Methylene chloride (Dichloromethane), ug/l | 5.0U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U |
| cis-1,3-Dichloropropene, ug/l | 5.0U |
| trans-1,3-Dichloropropene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Methyl ethyl ketone, ug/l | 25U |
| Iodomethane (Methyl iodide), ug/l | 5.0U |
| Methacrylonitrile, ug/l | 100U |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U |
| Pentachloroethane, ug/l | 25U |
| Styrene, ug/l | 5.0U |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U |
| Tetrachloroethene, ug/l | 5.0U |
| Carbon tetrachloride, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Bromoform, ug/l | 5.0U |
| 1,1,2-Trichloroethane, ug/l | 5.0U |
| 1,1,1-Trichloroethane, ug/l | 5.0U |
| Trichloroethene, ug/l | 5.0U |
| Trichlorofluoromethane, ug/l | 5.0U |
| 1,2,3-Trichloropropane, ug/l | 5.0U |
| Vinyl acetate, ug/l | 10U |
| Vinyl chloride, ug/l | 10U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Xylenes, Total, ug/l | 10U |
| 2-Hexanone, ug/l | 25U |
| Propionitrile, ug/l | 100U |
| Methyl methacrylate, ug/l | 5.0U |
| Acrolein (Propenal), ug/l | 100U |
| Acrylonitrile, ug/l | 100U |
| Ethyl methacrylate, ug/l | 5.0U |
| Isobutanol (Isobutyl alcohol), ug/l | 200U |
| Dibromomethane, ug/l | 5.0U |
| cis-1,2-Dichloroethene | 5.0U |
| Surrogate - Toluene-d8 | 104 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.16.99 |
| Batch ID | 2M1115 |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/l | 10U |
| 2-Acetylaminofluorene, ug/l | 10U |
| 4-Aminobiphenyl, ug/l | 10U |
| Aniline, ug/l | 20U |
| Aramite (total), ug/l | 10U |
| Benzyl alcohol, ug/l | 10U |
| bis(2-Chloroethoxy)methane, ug/l | 10U |
| bis(2-Chloroethyl)ether, ug/l | 10U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/l | 10U |
| bis(2-Ethylhexyl)phthalate, ug/l | 10U |
| 4-Bromophenylphenyl ether, ug/l | 10U |
| Butylbenzylphthalate, ug/l | 10U |
| 4-Chloroaniline (p-Chloroaniline), ug/l | 20U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/l | 10U |
| 2-Chloronaphthalene, ug/l | 10U |
| 2-Chlorophenol, ug/l | 10U |
| 4-Chlorophenylphenyl ether, ug/l | 10U |
| Cresol, m & p, ug/l | 10U |
| Cresol (ortho), ug/l | 10U |
| Diallate, Total, ug/l | 10U |
| Dibenzofuran, ug/l | 10U |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Di-n-butylphthalate, ug/l | 10U |
| 3,3'-Dichlorobenzidine, ug/l | 20U |
| 2,4-Dichlorophenol, ug/l | 10U |
| 2,6-Dichlorophenol, ug/l | 10U |
| Diethylphthalate, ug/l | 10U |
| p-(Dimethylamino)azobenzene, ug/l | 10U |
| 7,12-Dimethylbenz(a)anthracene, ug/l | 10U |
| 3,3'-Dimethylbenzidine, ug/l | 20U |
| alpha,alpha-Dimethylphenethylamine, ug/l | 200U |
| 2,4-Dimethylphenol, ug/l | 10U |
| Dimethylphthalate, ug/l | 10U |
| m-Dinitrobenzene , ug/l | 10U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/l | 50U |
| 2,4-Dinitrophenol, ug/l | 50U |
| 2,4-Dinitrotoluene, ug/l | 10U |
| 2,6-Dinitrotoluene, ug/l | 10U |
| Di-n-octylphthalate, ug/l | 10U |
| 1,4-Dioxane, ug/l | 10U |
| Ethyl methanesulfonate, ug/l | 10U |
| Hexachlorobenzene, ug/l | 10U |
| Hexachlorobutadiene, ug/l | 10U |
| Hexachlorocyclopentadiene, ug/l | 10U |
| Hexachloroethane, ug/l | 10U |

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|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Hexachlorophene, ug/l | 5000U |
| Hexachloropropene, ug/l | 10U |
| Isophorone, ug/l | 10U |
| Isosafrole, ug/l | 10U |
| Methapyrilene, ug/l | 200U |
| 3-Methylcholanthrene, ug/l | 10U |
| Methyl methanesulfonate, ug/l | 10U |
| 2-Methylnaphthalene, ug/l | 10U |
| 1,4-Naphthoquinone, ug/l | 10U |
| 1-Naphthylamine, ug/l | 10U |
| 2-Naphthylamine, ug/l | 10U |
| 2-Nitroaniline (o-Nitroaniline), ug/l | 50U |
| 3-Nitroaniline (m-Nitroaniline), ug/l | 50U |
| 4-Nitroaniline (p-Nitroaniline), ug/l | 50U |
| Nitrobenzene, ug/l | 10U |
| 2-Nitrophenol (o-Nitrophenol), ug/l | 10U |
| 4-Nitrophenol (p-Nitrophenol), ug/l | 50U |
| 4-Nitroquinoline-1-oxide, ug/l | 20U |
| N-Nitrosodi-n-butylamine, ug/l | 10U |
| N-Nitrosodiethylamine, ug/l | 10U |
| N-Nitrosodimethylamine, ug/l | 10U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/l | 10U |
| n-Nitrosodi-n-propylamine, ug/l | 10U |

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|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| N-Nitrosomethylethylamine, ug/l | 10U |
| N-Nitrosomorpholine, ug/l | 10U |
| N-Nitrosopiperidine, ug/l | 10U |
| N-Nitrosopyrrolidine, ug/l | 10U |
| 5-Nitro-o-toluidine, ug/l | 10U |
| Pentachlorobenzene, ug/l | 10U |
| Pentachloronitrobenzene, ug/l | 10U |
| Pentachlorophenol, ug/l | 50U |
| Phenacetin, ug/l | 10U |
| Phenol, ug/l | 10U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/l | 2000U |
| 2-Picoline, ug/l | 10U |
| Pronamide, ug/l | 10U |
| Pyridine, ug/l | 50U |
| Safrole, ug/l | 10U |
| 1,2,4,5-Tetrachlorobenzene, ug/l | 10U |
| 2,3,4,6-Tetrachlorophenol, ug/l | 10U |
| o-Toluidine, ug/l | 10U |
| 1,2,4-Trichlorobenzene, ug/l | 10U |
| 2,4,5-Trichlorophenol, ug/l | 10U |
| 2,4,6-Trichlorophenol, ug/l | 10U |
| O,O,O-Triethyl phosphorothioate, ug/l | 10U |
| 1,3,5-Trinitrobenzene, ug/l | 10U |

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|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Famphur, ug/l | 10U |
| Dimethoate, ug/l | 10U |
| Quinoline, ug/l | 10U |
| Benzenethiol, ug/l | 10U |
| Kepone, ug/l | 10U |
| 1-Methylnaphthalene, ug/l | 10U |
| Surrogate - Phenol-d5 | 73 % |
| Surrogate - 2-Fluorophenol | 83 % |
| Surrogate - 2,4,6-Tribromophenol | 91 % |
| Surrogate - Nitrobenzene-d5 | 74 % |
| Surrogate - 2-Fluorobiphenyl | 76 % |
| Surrogate - Terphenyl-d14 | 86 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.18.99 |
| Batch ID | 1115C |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/l | 1.0U |
| Acenaphthylene, ug/l | 1.0U |
| Anthracene, ug/l | 0.20U |
| Benzo(a)anthracene, ug/l | 0.20U |
| Benzo(a)pyrene, ug/l | 0.20U |
| Benzo(b)fluoranthene, ug/l | 0.20U |
| Benzo(g,h,i)perylene, ug/l | 0.50U |
| Benzo(k)fluoranthene, ug/l | 0.20U |
| Chrysene, ug/l | 0.20U |
| Dibenzo(a,h)anthracene, ug/l | 0.20U |
| Fluoranthene, ug/l | 0.50U |
| Fluorene, ug/l | 0.50U |
| Indeno(1,2,3-cd)pyrene, ug/l | 0.20U |
| Naphthalene, ug/l | 1.0U |
| Phenanthrene, ug/l | 0.20U |
| Pyrene, ug/l | 0.50U |
| Surrogate - Terphenyl-d14 | 88 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1112K |

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Contract No.: S7219
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Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| Metals (6010) | |
| Antimony, mg/l | 0.010U |
| Arsenic, mg/l | 0.0032U |
| Barium, mg/l | 0.0010U |
| Beryllium, mg/l | 0.0014U |
| Cadmium, mg/l | 0.0050U |
| Chromium, mg/l | 0.0010U |
| Cobalt, mg/l | 0.010U |
| Copper, mg/l | 0.020U |
| Nickel, mg/l | 0.040U |
| Lead, mg/l | 0.0050U |
| Selenium, mg/l | 0.010U |
| Silver, mg/l | 0.010U |
| Tin, mg/l | 0.050U |
| Thallium, mg/l | 0.010U |
| Vanadium, mg/l | 0.010U |
| Zinc, mg/l | 0.020U |
| Dilution Factor | 1.0 |
| Prep Date | 11.12.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1112H |

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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-6 | W3690021109990EB | 11-09-99/15:00 | WRR002 |

| PARAMETER | 17577-6 |
|---|---|
| **Mercury (7470)** | |
| Mercury, mg/l | 0.00020U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115T |
| **Cyanide (9010)** | |
| Cyanide, Total, mg/l | 0.010U |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119T |

Elizabeth F. Beauchamp, Project Manager

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Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-7 | TB-006 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-7 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/l | 200U |
| Acetone, ug/l | 50U |
| Benzene, ug/l | 5.0U |
| Bromodichloromethane, ug/l | 5.0U |
| Bromomethane (Methyl bromide), ug/l | 10U |
| Carbon disulfide, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Dibromochloromethane, ug/l | 5.0U |
| Chloroethane, ug/l | 10U |
| Chloromethane (Methyl chloride), ug/l | 10U |
| Chloroform, ug/l | 5.0U |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U |
| Chloroprene, ug/l | 5.0U |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| trans-1,4-Dichloro-2-butene, ug/l | 10U |
| Dichlorodifluoromethane, ug/l | 5.0U |
| 1,1-Dichloroethane, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| trans-1,2-Dichloroethene, ug/l | 5.0U |
| 1,1-Dichloroethylene, ug/l | 5.0U |
| Methylene chloride (Dichloromethane), ug/l | 5.0U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-7 | TB-006 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-7 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U | | |
| cis-1,3-Dichloropropene, ug/l | 5.0U | | |
| trans-1,3-Dichloropropene, ug/l | 5.0U | | |
| Ethylbenzene, ug/l | 5.0U | | |
| Methyl ethyl ketone, ug/l | 25U | | |
| Iodomethane (Methyl iodide), ug/l | 5.0U | | |
| Methacrylonitrile, ug/l | 100U | | |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U | | |
| Pentachloroethane, ug/l | 25U | | |
| Styrene, ug/l | 5.0U | | |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U | | |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U | | |
| Tetrachloroethene, ug/l | 5.0U | | |
| Carbon tetrachloride, ug/l | 5.0U | | |
| Toluene, ug/l | 5.0U | | |
| Bromoform, ug/l | 5.0U | | |
| 1,1,2-Trichloroethane, ug/l | 5.0U | | |
| 1,1,1-Trichloroethane, ug/l | 5.0U | | |
| Trichloroethene, ug/l | 5.0U | | |
| Trichlorofluoromethane, ug/l | 5.0U | | |
| 1,2,3-Trichloropropane, ug/l | 5.0U | | |
| Vinyl acetate, ug/l | 10U | | |
| Vinyl chloride, ug/l | 10U | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-7 | TB-006 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-7 |
|---|---|
| Xylenes, Total, ug/l | 10U |
| 2-Hexanone, ug/l | 25U |
| Propionitrile, ug/l | 100U |
| Methyl methacrylate, ug/l | 5.0U |
| Acrolein (Propenal), ug/l | 100U |
| Acrylonitrile, ug/l | 100U |
| Ethyl methacrylate, ug/l | 5.0U |
| Isobutanol (Isobutyl alcohol), ug/l | 200U |
| Dibromomethane, ug/l | 5.0U |
| cis-1,2-Dichloroethene | 5.0U |
| Surrogate - Toluene-d8 | 100 % |
| Surrogate - 4-Bromofluorobenzene | 96 % |
| Surrogate - Dibromofluoromethane | 94 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.16.99 |
| Batch ID | 2M1115 |

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|---|---|---|---|
| 17577-7 | TB-006 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-7 |
|---|---|

Methods: EPA SW-846, Update III.

U = Not detected at the Reporting Limit.

X = Surrogate recovery was outside established limits.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC detectors confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-8 | TB-007 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-8 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/l | 200U |
| Acetone, ug/l | 50U |
| Benzene, ug/l | 5.0U |
| Bromodichloromethane, ug/l | 5.0U |
| Bromomethane (Methyl bromide), ug/l | 10U |
| Carbon disulfide, ug/l | 5.0U |
| Chlorobenzene, ug/l | 5.0U |
| Dibromochloromethane, ug/l | 5.0U |
| Chloroethane, ug/l | 10U |
| Chloromethane (Methyl chloride), ug/l | 10U |
| Chloroform, ug/l | 5.0U |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U |
| Chloroprene, ug/l | 5.0U |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U |
| trans-1,4-Dichloro-2-butene, ug/l | 10U |
| Dichlorodifluoromethane, ug/l | 5.0U |
| 1,1-Dichloroethane, ug/l | 5.0U |
| 1,2-Dichloroethane, ug/l | 5.0U |
| trans-1,2-Dichloroethene, ug/l | 5.0U |
| 1,1-Dichloroethylene, ug/l | 5.0U |
| Methylene chloride (Dichloromethane), ug/l | 5.0U |

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|---|---|---|---|
| 17577-8 | TB-007 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-8 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U | | |
| cis-1,3-Dichloropropene, ug/l | 5.0U | | |
| trans-1,3-Dichloropropene, ug/l | 5.0U | | |
| Ethylbenzene, ug/l | 5.0U | | |
| Methyl ethyl ketone, ug/l | 25U | | |
| Iodomethane (Methyl iodide), ug/l | 5.0U | | |
| Methacrylonitrile, ug/l | 100U | | |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U | | |
| Pentachloroethane, ug/l | 25U | | |
| Styrene, ug/l | 5.0U | | |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U | | |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U | | |
| Tetrachloroethene, ug/l | 5.0U | | |
| Carbon tetrachloride, ug/l | 5.0U | | |
| Toluene, ug/l | 5.0U | | |
| Bromoform, ug/l | 5.0U | | |
| 1,1,2-Trichloroethane, ug/l | 5.0U | | |
| 1,1,1-Trichloroethane, ug/l | 5.0U | | |
| Trichloroethene, ug/l | 5.0U | | |
| Trichlorofluoromethane, ug/l | 5.0U | | |
| 1,2,3-Trichloropropane, ug/l | 5.0U | | |
| Vinyl acetate, ug/l | 10U | | |
| Vinyl chloride, ug/l | 10U | | |

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LOG NO: S9-17577
Received: 10 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-8 | TB-007 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-8 |
|---|---|
| Xylenes, Total, ug/l | 10U |
| 2-Hexanone, ug/l | 25U |
| Propionitrile, ug/l | 100U |
| Methyl methacrylate, ug/l | 5.0U |
| Acrolein (Propenal), ug/l | 100U |
| Acrylonitrile, ug/l | 100U |
| Ethyl methacrylate, ug/l | 5.0U |
| Isobutanol (Isobutyl alcohol), ug/l | 200U |
| Dibromomethane, ug/l | 5.0U |
| Surrogate - Toluene-d8 | 104 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 96 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.16.99 |
| Batch ID | 2M1115 |

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Sampled By: Client
Code: 163400111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17577-8 | TB-007 (942C) | 11-09-99 | WRR002 |

| PARAMETER | 17577-8 |
|---|---|

Methods: EPA SW-846, Update III.

U = Not detected at the Reporting Limit.

X = Surrogate recovery was outside established limits.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC detectors confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

# CHAIN OF CUSTODY RECORD

SHEET 1 of 1

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

Appendix IX

PROJECT NO: 2389C8602F. 01-OD200

PROJECT NAME: SWMUs S, T, V

SAMPLER'S: (Signature) Matt Foresman, Amelia Turnell

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | VOCs - 8260 | SVOCs + PAHs | Metals + cyanide + sulfide (Appendix IX) | TOC, moisture, pH (from metals jar) | PID Readings (ppm) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 11/9/99 | 10:45 | SS36900511099900S | 6 | 4* | 1 | 1 | | 89 | * 3 encore samples + 1 4oz. jar. |
| | 10:45 | SS36900511099900D | 6 | 4* | 1 | 1 | | 89 | |
| | 11:15 | SS36900811099900S | 6 | 4* | 1 | 1 | 1 | 2 | |
| | 1330 | SS36901111099900S | 6 | 4* | 1 | 1 | 1 | 22 | |
| | 1500 | W36900211099900EB | 9 | 3 | 4 | 2* | | - | * 1 jar for metals + 1 jar for cyanide (Appendix IX) |
| | 1600 | SS36400411099900S | 6 | 4* | 1 | 1 | | 2 | * 3 encore samples + 1 4oz. jar |
| | 1600 | SS36400411099MSD | 6 | 4* | 1 | 1 | | 2 | |
| | 1600 | SS36400411099OMS | 6 | 4* | 1 | 1 | | 2 | |
| | - | TB006 + TB007 (9942C) | 4 | 4* | | | | - | * 2 vials per trip blank |
| | | Appendix IX | | | | | | | |

| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME |
|---|---|---|---|
| Matt F | 11-9-99 / 1900 | | |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) | DATE / TIME |
| | | C. Vaughn | 11-10-99 9:15 |
| METHOD OF SHIPMENT: | | AIRBILL NO: 59-17577 | |

# CHAIN OF CUSTODY RECORD

SHEET 1 of 1

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

Appendix IX

PROJECT NO: 2389C8602F. 01-0D200

PROJECT NAME: SWMUs S, T, V

SAMPLER'S: (Signature) Matt Foreman, Amelia Turnell

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | VOCs-8260 | SVOCs + PAHs | Metals + cyanide + sulfide | TOC, moisture, pH (from metal jar) | PID Readings (ppm) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 11/9/99 | 10:45 | SS36900511099900S | 6 | 4* | 1 | 1 | | 89 | * 3 encore samples + 1 4oz. jar. |
| | 10:45 | SS36900511099900D | 6 | 4* | 1 | 1 | | 89 | |
| | 11:15 | SS36900811099900S | 6 | 4* | 1 | 1 | 1 | 2 | |
| | 1330 | SS36901111099900S | 6 | 4* | 1 | 1 | 1 | 22 | |
| | 1500 | W36900211099900EB | 9 | 3 | 4 | 2* | | - | * 1 jar for metals + 1 jar for cyanide (Appendix IX) |
| | 1600 | SS36400411099900S | 6 | 4* | 1 | 1 | | 2 | * 3 encore samples + 1 4oz. jar |
| | 1600 | SS36400411099900MSD | 6 | 4* | 1 | 1 | | 2 | |
| | 1600 | SS36400411099900MS | 6 | 4* | 1 | 1 | | 2 | |
| | - | TB006 + TB007 (942C) | 4 | 4* | | | | - | * 2 vials per trip blank |
| | | Appendix IX | | | | | | | |

| | | | |
|---|---|---|---|
| RELINQUISHED BY: (Signature) Matt F | DATE / TIME 11-9-99 / 1900 | RECEIVED BY: (Signature) | DATE / TIME |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) C. Nguyen | DATE / TIME 11-10-99 9:15 |
| METHOD OF SHIPMENT: | | AIRBILL NO: 89-17577 | |

367 e 8'

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 110000U |
| Acetone, ug/kg dw | 28000U |
| Benzene, ug/kg dw | 2800U |
| Bromodichloromethane, ug/kg dw | 2800U |
| Bromomethane (Methyl bromide), ug/kg dw | 5600U |
| Carbon disulfide, ug/kg dw | 2800U |
| Chlorobenzene, ug/kg dw | 2800U |
| Dibromochloromethane, ug/kg dw | 2800U |
| Chloroethane, ug/kg dw | 5600U |
| Chloromethane (Methyl chloride), ug/kg dw | 5600U |
| Chloroform, ug/kg dw | 2800U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 2800U |
| Chloroprene, ug/kg dw | 2800U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 5600U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 2800U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 2800U |
| Dichlorodifluoromethane, ug/kg dw | 5600U |
| 1,1-Dichloroethane, ug/kg dw | 2800U |
| 1,2-Dichloroethane, ug/kg dw | 2800U |
| trans-1,2-Dichloroethene, ug/kg dw | 2800U |
| 1,1-Dichloroethylene, ug/kg dw | 2800U |
| Methylene chloride (Dichloromethane), ug/kg dw | 2800U |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 | | |
|---|---|---|---|
| 1,2-Dichloropropane, ug/kg dw | 2800U | | |
| cis-1,3-Dichloropropene, ug/kg dw | 2800U | | |
| trans-1,3-Dichloropropene, ug/kg dw | 2800U | | |
| Ethylbenzene, ug/kg dw | 2800U | | |
| Methyl ethyl ketone, ug/kg dw | 14000U | | |
| Iodomethane (Methyl iodide), ug/kg dw | 2800U | | |
| Methacrylonitrile, ug/kg dw | 56000U | | |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 14000U | | |
| Pentachloroethane, ug/kg dw | 14000U | | |
| Styrene, ug/kg dw | 2800U | | |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 2800U | | |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 2800U | | |
| Tetrachloroethene, ug/kg dw | 2800U | | |
| Carbon tetrachloride, ug/kg dw | 2800U | | |
| Toluene, ug/kg dw | 2800U | | |
| Bromoform, ug/kg dw | 2800U | | |
| 1,1,2-Trichloroethane, ug/kg dw | 2800U | | |
| 1,1,1-Trichloroethane, ug/kg dw | 2800U | | |
| Trichloroethene, ug/kg dw | 2800U | | |
| Trichlorofluoromethane, ug/kg dw | 2800U | | |
| 1,2,3-Trichloropropane, ug/kg dw | 2800U | | |
| Vinyl acetate, ug/kg dw | 5600U | | |
| Vinyl chloride, ug/kg dw | 5600U | | |

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Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Xylenes, Total, ug/kg dw | 5600U |
| 2-Hexanone, ug/kg dw | 14000U |
| Propionitrile, ug/kg dw | 56000U |
| Methyl methacrylate, ug/kg dw | 2800U |
| Acrolein (Propenal), ug/kg dw | 56000U |
| Acrylonitrile, ug/kg dw | 56000U |
| Ethyl methacrylate, ug/kg dw | 2800U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 560000U |
| Dibromomethane, ug/kg dw | 2800U |
| cis-1,2-Dichloroethene, ug/kg dw | 2800U |
| Surrogate - Toluene-d8 | 91 % |
| Surrogate - 4-Bromofluorobenzene | 86 % |
| Surrogate - Dibromofluoromethane | 87 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.22.99 |
| Batch ID | 2B1122 |

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Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 5300U |
| 2-Acetylaminofluorene, ug/kg dw | 5300U |
| 4-Aminobiphenyl, ug/kg dw | 5300U |
| Aniline, ug/kg dw | 5300U |
| Aramite (total), ug/kg dw | 5300U |
| Benzyl alcohol, ug/kg dw | 5300U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 5300U |
| bis(2-Chloroethyl)ether, ug/kg dw | 5300U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropy 1)ether], ug/kg dw | 5300U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 5300U |
| 4-Bromophenylphenyl ether, ug/kg dw | 5300U |
| Butylbenzylphthalate, ug/kg dw | 5300U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 10000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 5300U |
| 2-Chloronaphthalene, ug/kg dw | 5300U |
| 2-Chlorophenol, ug/kg dw | 5300U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 5300U |
| Cresol, m & p, ug/kg dw | 5300U |
| Cresol (ortho), ug/kg dw | 5300U |
| Diallate, Total, ug/kg dw | 5300U |
| Dibenzofuran, ug/kg dw | 6400 |

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Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 5300U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 10000U |
| 2,4-Dichlorophenol, ug/kg dw | 5300U |
| 2,6-Dichlorophenol, ug/kg dw | 5300U |
| Diethylphthalate, ug/kg dw | 5300U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 5300U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 5300U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 10000U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 1100000U |
| 2,4-Dimethylphenol, ug/kg dw | 5300U |
| Dimethylphthalate, ug/kg dw | 5300U |
| m-Dinitrobenzene , ug/kg dw | 5300U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 27000U |
| 2,4-Dinitrophenol, ug/kg dw | 27000U |
| 2,4-Dinitrotoluene, ug/kg dw | 5300U |
| 2,6-Dinitrotoluene, ug/kg dw | 5300U |
| Di-n-octylphthalate, ug/kg dw | 5300U |
| 1,4-Dioxane, ug/kg dw | 5300U |
| Ethyl methanesulfonate, ug/kg dw | 5300U |
| Hexachlorobenzene, ug/kg dw | 5300U |
| Hexachlorobutadiene, ug/kg dw | 5300U |
| Hexachlorocyclopentadiene, ug/kg dw | 5300U |

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Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 5300U | | |
| Hexachlorophene, ug/kg dw | 320000U | | |
| Hexachloropropene, ug/kg dw | 5300U | | |
| Isophorone, ug/kg dw | 5300U | | |
| Isosafrole, ug/kg dw | 5300U | | |
| Methapyrilene, ug/kg dw | 100000U | | |
| 3-Methylcholanthrene, ug/kg dw | 5300U | | |
| Methyl methanesulfonate, ug/kg dw | 5300U | | |
| 2-Methylnaphthalene, ug/kg dw | 5300U | | |
| 1,4-Naphthoquinone, ug/kg dw | 5300U | | |
| 1-Naphthylamine, ug/kg dw | 5300U | | |
| 2-Naphthylamine, ug/kg dw | 5300U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 27000U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 27000U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 27000U | | |
| Nitrobenzene, ug/kg dw | 5300U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 5300U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 27000U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 53000U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 5300U | | |
| N-Nitrosodiethylamine, ug/kg dw | 5300U | | |
| N-Nitrosodimethylamine, ug/kg dw | 5300U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 5300U | | |

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 | | |
|---|---|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 5300U | | |
| N-Nitrosomethylethylamine, ug/kg dw | 5300U | | |
| N-Nitrosomorpholine, ug/kg dw | 5300U | | |
| N-Nitrosopiperidine, ug/kg dw | 5300U | | |
| N-Nitrosopyrrolidine, ug/kg dw | 5300U | | |
| 5-Nitro-o-toluidine, ug/kg dw | 5300U | | |
| Pentachlorobenzene, ug/kg dw | 5300U | | |
| Pentachloronitrobenzene, ug/kg dw | 5300U | | |
| Pentachlorophenol, ug/kg dw | 27000U | | |
| Phenacetin, ug/kg dw | 5300U | | |
| Phenol, ug/kg dw | 5300U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 27000U | | |
| 2-Picoline, ug/kg dw | 5300U | | |
| Pronamide, ug/kg dw | 5300U | | |
| Pyridine, ug/kg dw | 5300U | | |
| Safrole, ug/kg dw | 5300U | | |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 5300U | | |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 5300U | | |
| o-Toluidine, ug/kg dw | 5300U | | |
| 1,2,4-Trichlorobenzene, ug/kg dw | 5300U | | |
| 2,4,5-Trichlorophenol, ug/kg dw | 5300U | | |
| 2,4,6-Trichlorophenol, ug/kg dw | 5300U | | |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 5300U | | |

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Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 5300U |
| Famphur, ug/kg dw | 5300U |
| Dimethoate, ug/kg dw | 5300U |
| Quinoline, ug/kg dw | 5300U |
| Benzenethiol, ug/kg dw | 5300U |
| Kepone, ug/kg dw | 5300U |
| 1-Methylnaphthalene, ug/kg dw | 38000 |
| 1,2-Dichlorobenzene, ug/kg dw | 5300U |
| 1,3-Dichlorobenzene, ug/kg dw | 5300U |
| 1,4-Dichlorobenzene, ug/kg dw | 5300U |
| Surrogate - Phenol-d5 | 64 % |
| Surrogate - 2-Fluorophenol | 77 % |
| Surrogate - 2,4,6-Tribromophenol | 68 % |
| Surrogate - Nitrobenzene-d5 | 70 % |
| Surrogate - 2-Fluorobiphenyl | 67 % |
| Surrogate - Terphenyl-d14 | 56 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 160900111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 | |
|---|---|---|
| Polynuclear Aromatics (8310) | | |
| Acenaphthene, ug/kg dw | 4500P | |
| Anthracene, ug/kg dw | ~~640P~~ | 700DP |
| Benzo(a)anthracene, ug/kg dw | 770 | |
| Benzo(a)pyrene, ug/kg dw | 400 | |
| Benzo(b)fluoranthene, ug/kg dw | 300P | |
| Benzo(g,h,i)perylene, ug/kg dw | 740 | |
| Benzo(k)fluoranthene, ug/kg dw | 66U | |
| Chrysene, ug/kg dw | ~~840P~~ | 950DP |
| Dibenzo(a,h)anthracene, ug/kg dw | 280 | |
| Fluoranthene, ug/kg dw | 1200P | |
| Fluorene, ug/kg dw | ~~3200~~ | 4000D |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 160U | |
| Naphthalene, ug/kg dw | 330U | |
| Phenanthrene, ug/kg dw | ~~7700E~~ | 8900D |
| Pyrene, ug/kg dw | 960P | |
| Surrogate - Terphenyl-d14 | X % | |
| Dilution Factor | 1.0 | |
| Prep Date | 11.15.99 | |
| Analysis Date | 11.24.99 | |
| Batch ID | 1115J | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.062U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 150N |
| Arsenic, mg/kg dw | 4.4U |
| Barium, mg/kg dw | 560 |
| Beryllium, mg/kg dw | 0.46 |
| Cadmium, mg/kg dw | 1.6 |
| Chromium, mg/kg dw | 15000 |
| Cobalt, mg/kg dw | 14U |
| Copper, mg/kg dw | 71 |
| Nickel, mg/kg dw | 56U |
| Lead, mg/kg dw | 380 |
| Selenium, mg/kg dw | 14U |
| Silver, mg/kg dw | 14U |
| Tin, mg/kg dw | 69U |
| Thallium, mg/kg dw | 14U |
| Vanadium, mg/kg dw | 46 |
| Zinc, mg/kg dw | 350 |
| Dilution Factor | 5.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 12.01.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-1 | SS36700811109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-1 |
|---|---|
| Cyanide, Total (9010), mg/kg dw | 2.8U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 5400 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 36 |

Elizabeth F. Beauchamp, Project Manager

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Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 270U |
| Acetone, ug/kg dw | 69U |
| Benzene, ug/kg dw | 6.9U |
| Bromodichloromethane, ug/kg dw | 6.9U |
| Bromomethane (Methyl bromide), ug/kg dw | 14U |
| Carbon disulfide, ug/kg dw | 6.9U |
| Chlorobenzene, ug/kg dw | 6.9U |
| Dibromochloromethane, ug/kg dw | 6.9U |
| Chloroethane, ug/kg dw | 14U |
| Chloromethane (Methyl chloride), ug/kg dw | 14U |
| Chloroform, ug/kg dw | 6.9U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.9U |
| Chloroprene, ug/kg dw | 6.9U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 14U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.9U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.9U |
| Dichlorodifluoromethane, ug/kg dw | 6.9U |
| 1,1-Dichloroethane, ug/kg dw | 6.9U |
| 1,2-Dichloroethane, ug/kg dw | 6.9U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.9U |
| 1,1-Dichloroethylene, ug/kg dw | 6.9U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.9U |

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Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.9U |
| cis-1,3-Dichloropropene, ug/kg dw | 6.9U |
| trans-1,3-Dichloropropene, ug/kg dw | 6.9U |
| Ethylbenzene, ug/kg dw | 6.9U |
| Methyl ethyl ketone, ug/kg dw | 34U |
| Iodomethane (Methyl iodide), ug/kg dw | 6.9U |
| Methacrylonitrile, ug/kg dw | 140U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 34U |
| Pentachloroethane, ug/kg dw | 34U |
| Styrene, ug/kg dw | 6.9U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.9U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.9U |
| Tetrachloroethene, ug/kg dw | 6.9U |
| Carbon tetrachloride, ug/kg dw | 6.9U |
| Toluene, ug/kg dw | 6.9U |
| Bromoform, ug/kg dw | 6.9U |
| 1,1,2-Trichloroethane, ug/kg dw | 6.9U |
| 1,1,1-Trichloroethane, ug/kg dw | 6.9U |
| Trichloroethene, ug/kg dw | 6.9U |
| Trichlorofluoromethane, ug/kg dw | 6.9U |
| 1,2,3-Trichloropropane, ug/kg dw | 6.9U |
| Vinyl acetate, ug/kg dw | 14U |
| Vinyl chloride, ug/kg dw | 14U |

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Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Xylenes, Total, ug/kg dw | 14U |
| 2-Hexanone, ug/kg dw | 34U |
| Propionitrile, ug/kg dw | 140U |
| Methyl methacrylate, ug/kg dw | 6.9U |
| Acrolein (Propenal), ug/kg dw | 140U |
| Acrylonitrile, ug/kg dw | 140U |
| Ethyl methacrylate, ug/kg dw | 6.9U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 270U |
| Dibromomethane, ug/kg dw | 6.9U |
| cis-1,2-Dichloroethene, ug/kg dw | 6.9U |
| Surrogate - Toluene-d8 | 98 % |
| Surrogate - 4-Bromofluorobenzene | 101 % |
| Surrogate - Dibromofluoromethane | 91 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 470U |
| 2-Acetylaminofluorene, ug/kg dw | 470U |
| 4-Aminobiphenyl, ug/kg dw | 470U |
| Aniline, ug/kg dw | 470U |
| Aramite (total), ug/kg dw | 470U |
| Benzyl alcohol, ug/kg dw | 470U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 470U |
| bis(2-Chloroethyl)ether, ug/kg dw | 470U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 470U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 470U |
| 4-Bromophenylphenyl ether, ug/kg dw | 470U |
| Butylbenzylphthalate, ug/kg dw | 470U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 940U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 470U |
| 2-Chloronaphthalene, ug/kg dw | 470U |
| 2-Chlorophenol, ug/kg dw | 470U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 470U |
| Cresol, m & p, ug/kg dw | 470U |
| Cresol (ortho), ug/kg dw | 470U |
| Diallate, Total, ug/kg dw | 470U |
| Dibenzofuran, ug/kg dw | 470U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 470U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 940U |
| 2,4-Dichlorophenol, ug/kg dw | 470U |
| 2,6-Dichlorophenol, ug/kg dw | 470U |
| Diethylphthalate, ug/kg dw | 470U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 470U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 470U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 940U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 95000U |
| 2,4-Dimethylphenol, ug/kg dw | 470U |
| Dimethylphthalate, ug/kg dw | 470U |
| m-Dinitrobenzene , ug/kg dw | 470U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2400U |
| 2,4-Dinitrophenol, ug/kg dw | 2400U |
| 2,4-Dinitrotoluene, ug/kg dw | 470U |
| 2,6-Dinitrotoluene, ug/kg dw | 470U |
| Di-n-octylphthalate, ug/kg dw | 470U |
| 1,4-Dioxane, ug/kg dw | 470U |
| Ethyl methanesulfonate, ug/kg dw | 470U |
| Hexachlorobenzene, ug/kg dw | 470U |
| Hexachlorobutadiene, ug/kg dw | 470U |
| Hexachlorocyclopentadiene, ug/kg dw | 470U |

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|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 470U | | |
| Hexachlorophene, ug/kg dw | 28000U | | |
| Hexachloropropene, ug/kg dw | 470U | | |
| Isophorone, ug/kg dw | 470U | | |
| Isosafrole, ug/kg dw | 470U | | |
| Methapyrilene, ug/kg dw | 9400U | | |
| 3-Methylcholanthrene, ug/kg dw | 470U | | |
| Methyl methanesulfonate, ug/kg dw | 470U | | |
| 2-Methylnaphthalene, ug/kg dw | 470U | | |
| 1,4-Naphthoquinone, ug/kg dw | 470U | | |
| 1-Naphthylamine, ug/kg dw | 470U | | |
| 2-Naphthylamine, ug/kg dw | 470U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2400U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2400U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2400U | | |
| Nitrobenzene, ug/kg dw | 470U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 470U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2400U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4700U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 470U | | |
| N-Nitrosodiethylamine, ug/kg dw | 470U | | |
| N-Nitrosodimethylamine, ug/kg dw | 470U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 470U | | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 470U |
| N-Nitrosomethylethylamine, ug/kg dw | 470U |
| N-Nitrosomorpholine, ug/kg dw | 470U |
| N-Nitrosopiperidine, ug/kg dw | 470U |
| N-Nitrosopyrrolidine, ug/kg dw | 470U |
| 5-Nitro-o-toluidine, ug/kg dw | 470U |
| Pentachlorobenzene, ug/kg dw | 470U |
| Pentachloronitrobenzene, ug/kg dw | 470U |
| Pentachlorophenol, ug/kg dw | 2400U |
| Phenacetin, ug/kg dw | 470U |
| Phenol, ug/kg dw | 470U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2400U |
| 2-Picoline, ug/kg dw | 470U |
| Pronamide, ug/kg dw | 470U |
| Pyridine, ug/kg dw | 470U |
| Safrole, ug/kg dw | 470U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 470U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 470U |
| o-Toluidine, ug/kg dw | 470U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 470U |
| 2,4,5-Trichlorophenol, ug/kg dw | 470U |
| 2,4,6-Trichlorophenol, ug/kg dw | 470U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 470U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 470U |
| Famphur, ug/kg dw | 470U |
| Dimethoate, ug/kg dw | 470U |
| Quinoline, ug/kg dw | 470U |
| Benzenethiol, ug/kg dw | 470U |
| Kepone, ug/kg dw | 470U |
| 1-Methylnaphthalene, ug/kg dw | 470U |
| 1,2-Dichlorobenzene, ug/kg dw | 470U |
| 1,3-Dichlorobenzene, ug/kg dw | 470U |
| 1,4-Dichlorobenzene, ug/kg dw | 470U |
| Surrogate - Phenol-d5 | 40 % |
| Surrogate - 2-Fluorophenol | 60 % |
| Surrogate - 2,4,6-Tribromophenol | 62 % |
| Surrogate - Nitrobenzene-d5 | 40 % |
| Surrogate - 2-Fluorobiphenyl | 40 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 71U |
| Anthracene, ug/kg dw | 5.7U |
| Benzo(a)anthracene, ug/kg dw | 5.7U |
| Benzo(a)pyrene, ug/kg dw | 5.7U |
| Benzo(b)fluoranthene, ug/kg dw | 5.7U |
| Benzo(g,h,i)perylene, ug/kg dw | 14U |
| Benzo(k)fluoranthene, ug/kg dw | 5.7U |
| Chrysene, ug/kg dw | 5.7U |
| Dibenzo(a,h)anthracene, ug/kg dw | 14U |
| Fluoranthene, ug/kg dw | 14U |
| Fluorene, ug/kg dw | 14U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 14U |
| Naphthalene, ug/kg dw | 28U |
| Phenanthrene, ug/kg dw | 5.7U |
| Pyrene, ug/kg dw | 14U |
| Surrogate - Terphenyl-d14 | 58 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1115J |

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Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.036 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.8UN |
| Arsenic, mg/kg dw | 12 |
| Barium, mg/kg dw | 270 |
| Beryllium, mg/kg dw | 1.0 |
| Cadmium, mg/kg dw | 0.71U |
| Chromium, mg/kg dw | 39 |
| Cobalt, mg/kg dw | 10 |
| Copper, mg/kg dw | 26 |
| Nickel, mg/kg dw | 30 |
| Lead, mg/kg dw | 17 |
| Selenium, mg/kg dw | 1.4U |
| Silver, mg/kg dw | 1.4U |
| Tin, mg/kg dw | 7.1U |
| Thallium, mg/kg dw | 1.4U |
| Vanadium, mg/kg dw | 53 |
| Zinc, mg/kg dw | 92 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-2 | SS36700911109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-2 |
|---|---|
| Cyanide, Total (9010), mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 36U |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 70 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 280U |
| Acetone, ug/kg dw | 70U |
| Benzene, ug/kg dw | 7.0U |
| Bromodichloromethane, ug/kg dw | 7.0U |
| Bromomethane (Methyl bromide), ug/kg dw | 14U |
| Carbon disulfide, ug/kg dw | 7.0U |
| Chlorobenzene, ug/kg dw | 7.0U |
| Dibromochloromethane, ug/kg dw | 7.0U |
| Chloroethane, ug/kg dw | 14U |
| Chloromethane (Methyl chloride), ug/kg dw | 14U |
| Chloroform, ug/kg dw | 7.0U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 7.0U |
| Chloroprene, ug/kg dw | 7.0U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 14U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 7.0U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 7.0U |
| Dichlorodifluoromethane, ug/kg dw | 7.0U |
| 1,1-Dichloroethane, ug/kg dw | 7.0U |
| 1,2-Dichloroethane, ug/kg dw | 7.0U |
| trans-1,2-Dichloroethene, ug/kg dw | 7.0U |
| 1,1-Dichloroethylene, ug/kg dw | 7.0U |
| Methylene chloride (Dichloromethane), ug/kg dw | 7.0U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 7.0U |
| cis-1,3-Dichloropropene, ug/kg dw | 7.0U |
| trans-1,3-Dichloropropene, ug/kg dw | 7.0U |
| Ethylbenzene, ug/kg dw | 7.0U |
| Methyl ethyl ketone, ug/kg dw | 35U |
| Iodomethane (Methyl iodide), ug/kg dw | 7.0U |
| Methacrylonitrile, ug/kg dw | 140U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 35U |
| Pentachloroethane, ug/kg dw | 35U |
| Styrene, ug/kg dw | 7.0U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 7.0U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 7.0U |
| Tetrachloroethene, ug/kg dw | 7.0U |
| Carbon tetrachloride, ug/kg dw | 7.0U |
| Toluene, ug/kg dw | 7.0U |
| Bromoform, ug/kg dw | 7.0U |
| 1,1,2-Trichloroethane, ug/kg dw | 7.0U |
| 1,1,1-Trichloroethane, ug/kg dw | 7.0U |
| Trichloroethene, ug/kg dw | 7.0U |
| Trichlorofluoromethane, ug/kg dw | 7.0U |
| 1,2,3-Trichloropropane, ug/kg dw | 7.0U |
| Vinyl acetate, ug/kg dw | 14U |
| Vinyl chloride, ug/kg dw | 14U |

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Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Xylenes, Total, ug/kg dw | 14U |
| 2-Hexanone, ug/kg dw | 35U |
| Propionitrile, ug/kg dw | 140U |
| Methyl methacrylate, ug/kg dw | 7.0U |
| Acrolein (Propenal), ug/kg dw | 140U |
| Acrylonitrile, ug/kg dw | 140U |
| Ethyl methacrylate, ug/kg dw | 7.0U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 280U |
| Dibromomethane, ug/kg dw | 7.0U |
| cis-1,2-Dichloroethene, ug/kg dw | 7.0U |
| Surrogate - Toluene-d8 | 101 % |
| Surrogate - 4-Bromofluorobenzene | 98 % |
| Surrogate - Dibromofluoromethane | 97 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 460U |
| 2-Acetylaminofluorene, ug/kg dw | 460U |
| 4-Aminobiphenyl, ug/kg dw | 460U |
| Aniline, ug/kg dw | 460U |
| Aramite (total), ug/kg dw | 460U |
| Benzyl alcohol, ug/kg dw | 460U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 460U |
| bis(2-Chloroethyl)ether, ug/kg dw | 460U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 460U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 460U |
| 4-Bromophenylphenyl ether, ug/kg dw | 460U |
| Butylbenzylphthalate, ug/kg dw | 460U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 930U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 460U |
| 2-Chloronaphthalene, ug/kg dw | 460U |
| 2-Chlorophenol, ug/kg dw | 460U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 460U |
| Cresol, m & p, ug/kg dw | 460U |
| Cresol (ortho), ug/kg dw | 460U |
| Diallate, Total, ug/kg dw | 460U |
| Dibenzofuran, ug/kg dw | 460U |

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|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 460U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 930U |
| 2,4-Dichlorophenol, ug/kg dw | 460U |
| 2,6-Dichlorophenol, ug/kg dw | 460U |
| Diethylphthalate, ug/kg dw | 460U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 460U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 460U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 930U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 94000U |
| 2,4-Dimethylphenol, ug/kg dw | 460U |
| Dimethylphthalate, ug/kg dw | 460U |
| m-Dinitrobenzene , ug/kg dw | 460U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2400U |
| 2,4-Dinitrophenol, ug/kg dw | 2400U |
| 2,4-Dinitrotoluene, ug/kg dw | 460U |
| 2,6-Dinitrotoluene, ug/kg dw | 460U |
| Di-n-octylphthalate, ug/kg dw | 460U |
| 1,4-Dioxane, ug/kg dw | 460U |
| Ethyl methanesulfonate, ug/kg dw | 460U |
| Hexachlorobenzene, ug/kg dw | 460U |
| Hexachlorobutadiene, ug/kg dw | 460U |
| Hexachlorocyclopentadiene, ug/kg dw | 460U |

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|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Hexachloroethane, ug/kg dw | 460U |
| Hexachlorophene, ug/kg dw | 28000U |
| Hexachloropropene, ug/kg dw | 460U |
| Isophorone, ug/kg dw | 460U |
| Isosafrole, ug/kg dw | 460U |
| Methapyrilene, ug/kg dw | 9300U |
| 3-Methylcholanthrene, ug/kg dw | 460U |
| Methyl methanesulfonate, ug/kg dw | 460U |
| 2-Methylnaphthalene, ug/kg dw | 460U |
| 1,4-Naphthoquinone, ug/kg dw | 460U |
| 1-Naphthylamine, ug/kg dw | 460U |
| 2-Naphthylamine, ug/kg dw | 460U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2400U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2400U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2400U |
| Nitrobenzene, ug/kg dw | 460U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 460U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2400U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4600U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 460U |
| N-Nitrosodiethylamine, ug/kg dw | 460U |
| N-Nitrosodimethylamine, ug/kg dw | 460U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 460U |

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|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 | | |
|---|---|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 460U | | |
| N-Nitrosomethylethylamine, ug/kg dw | 460U | | |
| N-Nitrosomorpholine, ug/kg dw | 460U | | |
| N-Nitrosopiperidine, ug/kg dw | 460U | | |
| N-Nitrosopyrrolidine, ug/kg dw | 460U | | |
| 5-Nitro-o-toluidine, ug/kg dw | 460U | | |
| Pentachlorobenzene, ug/kg dw | 460U | | |
| Pentachloronitrobenzene, ug/kg dw | 460U | | |
| Pentachlorophenol, ug/kg dw | 2400U | | |
| Phenacetin, ug/kg dw | 460U | | |
| Phenol, ug/kg dw | 460U | | |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2400U | | |
| 2-Picoline, ug/kg dw | 460U | | |
| Pronamide, ug/kg dw | 460U | | |
| Pyridine, ug/kg dw | 460U | | |
| Safrole, ug/kg dw | 460U | | |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 460U | | |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 460U | | |
| o-Toluidine, ug/kg dw | 460U | | |
| 1,2,4-Trichlorobenzene, ug/kg dw | 460U | | |
| 2,4,5-Trichlorophenol, ug/kg dw | 460U | | |
| 2,4,6-Trichlorophenol, ug/kg dw | 460U | | |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 460U | | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 460U |
| Famphur, ug/kg dw | 460U |
| Dimethoate, ug/kg dw | 460U |
| Quinoline, ug/kg dw | 460U |
| Benzenethiol, ug/kg dw | 460U |
| Kepone, ug/kg dw | 460U |
| 1-Methylnaphthalene, ug/kg dw | 460U |
| 1,2-Dichlorobenzene, ug/kg dw | 460U |
| 1,3-Dichlorobenzene, ug/kg dw | 460U |
| 1,4-Dichlorobenzene, ug/kg dw | 460U |
| Surrogate - Phenol-d5 | 36 % |
| Surrogate - 2-Fluorophenol | 53 % |
| Surrogate - 2,4,6-Tribromophenol | 53 % |
| Surrogate - Nitrobenzene-d5 | 37 % |
| Surrogate - 2-Fluorobiphenyl | 38 % |
| Surrogate - Terphenyl-d14 | 52 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 70U |
| Anthracene, ug/kg dw | 5.6U |
| Benzo(a)anthracene, ug/kg dw | 5.6U |
| Benzo(a)pyrene, ug/kg dw | 5.6U |
| Benzo(b)fluoranthene, ug/kg dw | 5.6U |
| Benzo(g,h,i)perylene, ug/kg dw | 14U |
| Benzo(k)fluoranthene, ug/kg dw | 5.6U |
| Chrysene, ug/kg dw | 5.6U |
| Dibenzo(a,h)anthracene, ug/kg dw | 14U |
| Fluoranthene, ug/kg dw | 14U |
| Fluorene, ug/kg dw | 14U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 14U |
| Naphthalene, ug/kg dw | 28U |
| Phenanthrene, ug/kg dw | 5.6U |
| Pyrene, ug/kg dw | 14U |
| Surrogate - Terphenyl-d14 | 56 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1115J |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.040 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.8UN |
| Arsenic, mg/kg dw | 15 |
| Barium, mg/kg dw | 260 |
| Beryllium, mg/kg dw | 1.2 |
| Cadmium, mg/kg dw | 0.70U |
| Chromium, mg/kg dw | 30 |
| Cobalt, mg/kg dw | 12 |
| Copper, mg/kg dw | 28 |
| Nickel, mg/kg dw | 28 |
| Lead, mg/kg dw | 18 |
| Selenium, mg/kg dw | 1.4U |
| Silver, mg/kg dw | 1.4U |
| Tin, mg/kg dw | 7.0U |
| Thallium, mg/kg dw | 1.4U |
| Vanadium, mg/kg dw | 56 |
| Zinc, mg/kg dw | 94 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161000111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-3 | SS36701111109900S | 11-10-99/10:15 | WRR002 |

| PARAMETER | 17621-3 |
|---|---|
| Cyanide, Total (9010), mg/kg dw | 1.4U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 35U |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Percent Solids | 71 |

Elizabeth F. Beauchamp, Project Manager

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Contract No.: S7219
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Sampled By: Client
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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 | | |
|---|---|---|---|
| Volatile Organic Compounds (8260) | | | |
| Acetonitrile, ug/kg dw | 4200U | | |
| Acetone, ug/kg dw | ~~3200~~ 6000 | | |
| Benzene, ug/kg dw | ~~160~~ 280 | | |
| Bromodichloromethane, ug/kg dw | 100U | | |
| Bromomethane (Methyl bromide), ug/kg dw | 210U | | |
| Carbon disulfide, ug/kg dw | 1200 | | |
| Chlorobenzene, ug/kg dw | 100U | | |
| Dibromochloromethane, ug/kg dw | 100U | | |
| Chloroethane, ug/kg dw | 210U | | |
| Chloromethane (Methyl chloride), ug/kg dw | 210U | | |
| Chloroform, ug/kg dw | 100U | | |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 100U | | |
| Chloroprene, ug/kg dw | 100U | | |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 210U | | |
| 1,2-Dibromoethane (EDB), ug/kg dw | 100U | | |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 100U | | |
| Dichlorodifluoromethane, ug/kg dw | 100U | | |
| 1,1-Dichloroethane, ug/kg dw | 100U | | |
| 1,2-Dichloroethane, ug/kg dw | 100U | | |
| trans-1,2-Dichloroethene, ug/kg dw | 100U | | |
| 1,1-Dichloroethylene, ug/kg dw | 100U | | |
| Methylene chloride (Dichloromethane), ug/kg dw | 100U | | |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 | | | | |
|---|---|---|---|---|---|
| 1,2-Dichloropropane, ug/kg dw | 100U | | | | |
| cis-1,3-Dichloropropene, ug/kg dw | 100U | | | | |
| trans-1,3-Dichloropropene, ug/kg dw | 100U | | | | |
| Ethylbenzene, ug/kg dw | 400 | 800 | | | |
| Methyl ethyl ketone, ug/kg dw | 720 | 1800 | | | |
| Iodomethane (Methyl iodide), ug/kg dw | 100U | | | | |
| Methacrylonitrile, ug/kg dw | 2100U | | | | |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 520U | | | | |
| Pentachloroethane, ug/kg dw | 520U | | | | |
| Styrene, ug/kg dw | 100U | | | | |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 100U | | | | |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 100U | | | | |
| Tetrachloroethene, ug/kg dw | 100U | | | | |
| Carbon tetrachloride, ug/kg dw | 100U | | | | |
| Toluene, ug/kg dw | 530 | 970 | | | |
| Bromoform, ug/kg dw | 100U | | | | |
| 1,1,2-Trichloroethane, ug/kg dw | 100U | | | | |
| 1,1,1-Trichloroethane, ug/kg dw | 100U | | | | |
| Trichloroethene, ug/kg dw | 100U | | | | |
| Trichlorofluoromethane, ug/kg dw | 100U | | | | |
| 1,2,3-Trichloropropane, ug/kg dw | 100U | | | | |
| Vinyl acetate, ug/kg dw | 210U | | | | |
| Vinyl chloride, ug/kg dw | 210U | | | | |

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Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 | | |
|---|---|---|---|
| Xylenes, Total, ug/kg dw | 1500 | 2800 | |
| 2-Hexanone, ug/kg dw | 520U | | |
| Propionitrile, ug/kg dw | 2100U | | |
| Methyl methacrylate, ug/kg dw | 100U | | |
| Acrolein (Propenal), ug/kg dw | 2100U | | |
| Acrylonitrile, ug/kg dw | 2100U | | |
| Ethyl methacrylate, ug/kg dw | 100U | | |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 4200U | | |
| Dibromomethane, ug/kg dw | 100U | | |
| cis-1,2-Dichloroethene, ug/kg dw | 100U | | |
| Surrogate - Toluene-d8 | 100 % | | |
| Surrogate - 4-Bromofluorobenzene | 90 % | | |
| Surrogate - Dibromofluoromethane | 96 % | | |
| Dilution Factor | 1.0 | | |
| Analysis Date | 11.19.99 | | |
| Batch ID | 1M1119 | | |

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Reported: 30 DEC 99

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Maryland Heights, MO 63043

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Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 19000U |
| 2-Acetylaminofluorene, ug/kg dw | 19000U |
| 4-Aminobiphenyl, ug/kg dw | 19000U |
| Aniline, ug/kg dw | 19000U |
| Aramite (total), ug/kg dw | 19000U |
| Benzyl alcohol, ug/kg dw | 19000U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 19000U |
| bis(2-Chloroethyl)ether, ug/kg dw | 19000U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 19000U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 19000U |
| 4-Bromophenylphenyl ether, ug/kg dw | 19000U |
| Butylbenzylphthalate, ug/kg dw | 19000U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 38000U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 19000U |
| 2-Chloronaphthalene, ug/kg dw | 19000U |
| 2-Chlorophenol, ug/kg dw | 19000U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 19000U |
| Cresol, m & p, ug/kg dw | 19000U |
| Cresol (ortho), ug/kg dw | 19000U |
| Diallate, Total, ug/kg dw | 19000U |
| Dibenzofuran, ug/kg dw | 19000U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 | | |
|---|---|---|---|
| Di-n-butylphthalate, ug/kg dw | 19000U | | |
| 3,3'-Dichlorobenzidine, ug/kg dw | 38000U | | |
| 2,4-Dichlorophenol, ug/kg dw | 19000U | | |
| 2,6-Dichlorophenol, ug/kg dw | 19000U | | |
| Diethylphthalate, ug/kg dw | 19000U | | |
| p-(Dimethylamino)azobenzene, ug/kg dw | 19000U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 19000U | | |
| 3,3'-Dimethylbenzidine, ug/kg dw | 38000U | | |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 3900000U | | |
| 2,4-Dimethylphenol, ug/kg dw | 19000U | | |
| Dimethylphthalate, ug/kg dw | 19000U | | |
| m-Dinitrobenzene , ug/kg dw | 19000U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 98000U | | |
| 2,4-Dinitrophenol, ug/kg dw | 98000U | | |
| 2,4-Dinitrotoluene, ug/kg dw | 19000U | | |
| 2,6-Dinitrotoluene, ug/kg dw | 19000U | | |
| Di-n-octylphthalate, ug/kg dw | 19000U | | |
| 1,4-Dioxane, ug/kg dw | 19000U | | |
| Ethyl methanesulfonate, ug/kg dw | 19000U | | |
| Hexachlorobenzene, ug/kg dw | 19000U | | |
| Hexachlorobutadiene, ug/kg dw | 19000U | | |
| Hexachlorocyclopentadiene, ug/kg dw | 19000U | | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| Hexachloroethane, ug/kg dw | 19000U |
| Hexachlorophene, ug/kg dw | 1200000U |
| Hexachloropropene, ug/kg dw | 19000U |
| Isophorone, ug/kg dw | 19000U |
| Isosafrole, ug/kg dw | 19000U |
| Methapyrilene, ug/kg dw | 380000U |
| 3-Methylcholanthrene, ug/kg dw | 19000U |
| Methyl methanesulfonate, ug/kg dw | 19000U |
| 2-Methylnaphthalene, ug/kg dw | 19000U |
| 1,4-Naphthoquinone, ug/kg dw | 19000U |
| 1-Naphthylamine, ug/kg dw | 19000U |
| 2-Naphthylamine, ug/kg dw | 19000U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 98000U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 98000U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 98000U |
| Nitrobenzene, ug/kg dw | 19000U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 19000U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 98000U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 190000U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 19000U |
| N-Nitrosodiethylamine, ug/kg dw | 19000U |
| N-Nitrosodimethylamine, ug/kg dw | 19000U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 19000U |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 19000U |
| N-Nitrosomethylethylamine, ug/kg dw | 19000U |
| N-Nitrosomorpholine, ug/kg dw | 19000U |
| N-Nitrosopiperidine, ug/kg dw | 19000U |
| N-Nitrosopyrrolidine, ug/kg dw | 19000U |
| 5-Nitro-o-toluidine, ug/kg dw | 19000U |
| Pentachlorobenzene, ug/kg dw | 19000U |
| Pentachloronitrobenzene, ug/kg dw | 19000U |
| Pentachlorophenol, ug/kg dw | 98000U |
| Phenacetin, ug/kg dw | 19000U |
| Phenol, ug/kg dw | 19000U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 98000U |
| 2-Picoline, ug/kg dw | 19000U |
| Pronamide, ug/kg dw | 19000U |
| Pyridine, ug/kg dw | 19000U |
| Safrole, ug/kg dw | 19000U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 19000U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 19000U |
| o-Toluidine, ug/kg dw | 19000U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 19000U |
| 2,4,5-Trichlorophenol, ug/kg dw | 19000U |
| 2,4,6-Trichlorophenol, ug/kg dw | 19000U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 19000U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 19000U |
| Famphur, ug/kg dw | 19000U |
| Dimethoate, ug/kg dw | 19000U |
| Quinoline, ug/kg dw | 19000U |
| Benzenethiol, ug/kg dw | 19000U |
| Kepone, ug/kg dw | 19000U |
| 1-Methylnaphthalene, ug/kg dw | 19000U |
| 1,2-Dichlorobenzene, ug/kg dw | 19000U |
| 1,3-Dichlorobenzene, ug/kg dw | 19000U |
| 1,4-Dichlorobenzene, ug/kg dw | 19000U |
| Surrogate - Phenol-d5 | 53 % |
| Surrogate - 2-Fluorophenol | 68 % |
| Surrogate - 2,4,6-Tribromophenol | 68 % |
| Surrogate - Nitrobenzene-d5 | 58 % |
| Surrogate - 2-Fluorobiphenyl | 70 % |
| Surrogate - Terphenyl-d14 | 60 % |
| Dilution Factor | 6.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 14000U |
| Anthracene, ug/kg dw | 1500P |
| Benzo(a)anthracene, ug/kg dw | 11000 |
| Benzo(a)pyrene, ug/kg dw | 3700 |
| Benzo(b)fluoranthene, ug/kg dw | 3900P |
| Benzo(g,h,i)perylene, ug/kg dw | 9200 |
| Benzo(k)fluoranthene, ug/kg dw | 1200U |
| Chrysene, ug/kg dw | 6400P |
| Dibenzo(a,h)anthracene, ug/kg dw | 2900U |
| Fluoranthene, ug/kg dw | 5000P |
| Fluorene, ug/kg dw | 5800 |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 2900U |
| Naphthalene, ug/kg dw | 5800U |
| Phenanthrene, ug/kg dw | 14000 |
| Pyrene, ug/kg dw | 15000P |
| Surrogate - Terphenyl-d14 | X % |
| Dilution Factor | 5.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.28.99 |
| Batch ID | 1115J |

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Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 2.1 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 24N |
| Arsenic, mg/kg dw | 16 |
| Barium, mg/kg dw | 580 |
| Beryllium, mg/kg dw | 1.4U |
| Cadmium, mg/kg dw | 5.0U |
| Chromium, mg/kg dw | 3100 |
| Cobalt, mg/kg dw | 10U |
| Copper, mg/kg dw | 100 |
| Nickel, mg/kg dw | 49 |
| Lead, mg/kg dw | 77 |
| Selenium, mg/kg dw | 59 |
| Silver, mg/kg dw | 10U |
| Tin, mg/kg dw | 50U |
| Thallium, mg/kg dw | 10U |
| Vanadium, mg/kg dw | 63 |
| Zinc, mg/kg dw | 1200 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-4 | SS36800611109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-4 | |
|---|---|---|
| Cyanide, Total (9010), mg/kg dw | 5.1 | U |
| Dilution Factor | 1.0 | |
| Prep Date | 11.23.99 | |
| Analysis Date | 11.23.99 | |
| Batch ID | 1123S | |
| Sulfide (9030), mg/kg dw | 7400 | |
| Dilution Factor | 1 | |
| Prep Date | 11.15.99 | |
| Analysis Date | 11.15.99 | |
| Batch ID | 1115A | |
| Percent Solids | 10 | |

Elizabeth F. Beauchamp, Project Manager

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 | | |
|---|---|---|---|
| Volatile Organic Compounds (8260) | | | |
| Acetonitrile, ug/kg dw | 300U | | |
| Acetone, ug/kg dw | 94 | | |
| Benzene, ug/kg dw | 7.5U | | |
| Bromodichloromethane, ug/kg dw | 7.5U | | |
| Bromomethane (Methyl bromide), ug/kg dw | 15U | | |
| Carbon disulfide, ug/kg dw | 9.1 | | |
| Chlorobenzene, ug/kg dw | 7.5U | | |
| Dibromochloromethane, ug/kg dw | 7.5U | | |
| Chloroethane, ug/kg dw | 15U | | |
| Chloromethane (Methyl chloride), ug/kg dw | 15U | | |
| Chloroform, ug/kg dw | 7.5U | | |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 7.5U | | |
| Chloroprene, ug/kg dw | 7.5U | | |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 15U | | |
| 1,2-Dibromoethane (EDB), ug/kg dw | 7.5U | | |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 7.5U | | |
| Dichlorodifluoromethane, ug/kg dw | 7.5U | | |
| 1,1-Dichloroethane, ug/kg dw | 7.5U | | |
| 1,2-Dichloroethane, ug/kg dw | 7.5U | | |
| trans-1,2-Dichloroethene, ug/kg dw | 7.5U | | |
| 1,1-Dichloroethylene, ug/kg dw | 7.5U | | |
| Methylene chloride (Dichloromethane), ug/kg dw | 7.5U | | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 7.5U |
| cis-1,3-Dichloropropene, ug/kg dw | 7.5U |
| trans-1,3-Dichloropropene, ug/kg dw | 7.5U |
| Ethylbenzene, ug/kg dw | 7.5U |
| Methyl ethyl ketone, ug/kg dw | 37U |
| Iodomethane (Methyl iodide), ug/kg dw | 7.5U |
| Methacrylonitrile, ug/kg dw | 150U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 37U |
| Pentachloroethane, ug/kg dw | 37U |
| Styrene, ug/kg dw | 7.5U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 7.5U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 7.5U |
| Tetrachloroethene, ug/kg dw | 7.5U |
| Carbon tetrachloride, ug/kg dw | 7.5U |
| Toluene, ug/kg dw | 7.5U |
| Bromoform, ug/kg dw | 7.5U |
| 1,1,2-Trichloroethane, ug/kg dw | 7.5U |
| 1,1,1-Trichloroethane, ug/kg dw | 7.5U |
| Trichloroethene, ug/kg dw | 7.5U |
| Trichlorofluoromethane, ug/kg dw | 7.5U |
| 1,2,3-Trichloropropane, ug/kg dw | 7.5U |
| Vinyl acetate, ug/kg dw | 15U |
| Vinyl chloride, ug/kg dw | 15U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| Xylenes, Total, ug/kg dw | 15U |
| 2-Hexanone, ug/kg dw | 37U |
| Propionitrile, ug/kg dw | 150U |
| Methyl methacrylate, ug/kg dw | 7.5U |
| Acrolein (Propenal), ug/kg dw | 150U |
| Acrylonitrile, ug/kg dw | 150U |
| Ethyl methacrylate, ug/kg dw | 7.5U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 300U |
| Dibromomethane, ug/kg dw | 7.5U |
| cis-1,2-Dichloroethene, ug/kg dw | 7.5U |
| Surrogate - Toluene-d8 | 97 % |
| Surrogate - 4-Bromofluorobenzene | 96 % |
| Surrogate - Dibromofluoromethane | 89 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 430U |
| 2-Acetylaminofluorene, ug/kg dw | 430U |
| 4-Aminobiphenyl, ug/kg dw | 430U |
| Aniline, ug/kg dw | 430U |
| Aramite (total), ug/kg dw | 430U |
| Benzyl alcohol, ug/kg dw | 430U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 430U |
| bis(2-Chloroethyl)ether, ug/kg dw | 430U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropy l)ether], ug/kg dw | 430U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 430U |
| 4-Bromophenylphenyl ether, ug/kg dw | 430U |
| Butylbenzylphthalate, ug/kg dw | 430U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 860U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 430U |
| 2-Chloronaphthalene, ug/kg dw | 430U |
| 2-Chlorophenol, ug/kg dw | 430U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 430U |
| Cresol, m & p, ug/kg dw | 430U |
| Cresol (ortho), ug/kg dw | 430U |
| Diallate, Total, ug/kg dw | 430U |
| Dibenzofuran, ug/kg dw | 430U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS368009111099005 | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 | | |
|---|---|---|---|
| Di-n-butylphthalate, ug/kg dw | 430U | | |
| 3,3'-Dichlorobenzidine, ug/kg dw | 860U | | |
| 2,4-Dichlorophenol, ug/kg dw | 430U | | |
| 2,6-Dichlorophenol, ug/kg dw | 430U | | |
| Diethylphthalate, ug/kg dw | 430U | | |
| p-(Dimethylamino)azobenzene, ug/kg dw | 430U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 430U | | |
| 3,3'-Dimethylbenzidine, ug/kg dw | 860U | | |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 88000U | | |
| 2,4-Dimethylphenol, ug/kg dw | 430U | | |
| Dimethylphthalate, ug/kg dw | 430U | | |
| m-Dinitrobenzene , ug/kg dw | 430U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2200U | | |
| 2,4-Dinitrophenol, ug/kg dw | 2200U | | |
| 2,4-Dinitrotoluene, ug/kg dw | 430U | | |
| 2,6-Dinitrotoluene, ug/kg dw | 430U | | |
| Di-n-octylphthalate, ug/kg dw | 430U | | |
| 1,4-Dioxane, ug/kg dw | 430U | | |
| Ethyl methanesulfonate, ug/kg dw | 430U | | |
| Hexachlorobenzene, ug/kg dw | 430U | | |
| Hexachlorobutadiene, ug/kg dw | 430U | | |
| Hexachlorocyclopentadiene, ug/kg dw | 430U | | |

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|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 430U | | |
| Hexachlorophene, ug/kg dw | 26000U | | |
| Hexachloropropene, ug/kg dw | 430U | | |
| Isophorone, ug/kg dw | 430U | | |
| Isosafrole, ug/kg dw | 430U | | |
| Methapyrilene, ug/kg dw | 8600U | | |
| 3-Methylcholanthrene, ug/kg dw | 430U | | |
| Methyl methanesulfonate, ug/kg dw | 430U | | |
| 2-Methylnaphthalene, ug/kg dw | 430U | | |
| 1,4-Naphthoquinone, ug/kg dw | 430U | | |
| 1-Naphthylamine, ug/kg dw | 430U | | |
| 2-Naphthylamine, ug/kg dw | 430U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2200U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2200U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2200U | | |
| Nitrobenzene, ug/kg dw | 430U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 430U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2200U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4300U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 430U | | |
| N-Nitrosodiethylamine, ug/kg dw | 430U | | |
| N-Nitrosodimethylamine, ug/kg dw | 430U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 430U | | |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 430U |
| N-Nitrosomethylethylamine, ug/kg dw | 430U |
| N-Nitrosomorpholine, ug/kg dw | 430U |
| N-Nitrosopiperidine, ug/kg dw | 430U |
| N-Nitrosopyrrolidine, ug/kg dw | 430U |
| 5-Nitro-o-toluidine, ug/kg dw | 430U |
| Pentachlorobenzene, ug/kg dw | 430U |
| Pentachloronitrobenzene, ug/kg dw | 430U |
| Pentachlorophenol, ug/kg dw | 2200U |
| Phenacetin, ug/kg dw | 430U |
| Phenol, ug/kg dw | 430U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2200U |
| 2-Picoline, ug/kg dw | 430U |
| Pronamide, ug/kg dw | 430U |
| Pyridine, ug/kg dw | 430U |
| Safrole, ug/kg dw | 430U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 430U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 430U |
| o-Toluidine, ug/kg dw | 430U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 430U |
| 2,4,5-Trichlorophenol, ug/kg dw | 430U |
| 2,4,6-Trichlorophenol, ug/kg dw | 430U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 430U |

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|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 430U |
| Famphur, ug/kg dw | 430U |
| Dimethoate, ug/kg dw | 430U |
| Quinoline, ug/kg dw | 430U |
| Benzenethiol, ug/kg dw | 430U |
| Kepone, ug/kg dw | 430U |
| 1-Methylnaphthalene, ug/kg dw | 430U |
| 1,2-Dichlorobenzene, ug/kg dw | 430U |
| 1,3-Dichlorobenzene, ug/kg dw | 430U |
| 1,4-Dichlorobenzene, ug/kg dw | 430U |
| Surrogate - Phenol-d5 | 50 % |
| Surrogate - 2-Fluorophenol | 66 % |
| Surrogate - 2,4,6-Tribromophenol | 70 % |
| Surrogate - Nitrobenzene-d5 | 45 % |
| Surrogate - 2-Fluorobiphenyl | 54 % |
| Surrogate - Terphenyl-d14 | 59 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 65U |
| Anthracene, ug/kg dw | 5.2U |
| Benzo(a)anthracene, ug/kg dw | 5.5P |
| Benzo(a)pyrene, ug/kg dw | 6.2P |
| Benzo(b)fluoranthene, ug/kg dw | 7.6P |
| Benzo(g,h,i)perylene, ug/kg dw | 13U |
| Benzo(k)fluoranthene, ug/kg dw | 5.2U |
| Chrysene, ug/kg dw | 7.9P |
| Dibenzo(a,h)anthracene, ug/kg dw | 13U |
| Fluoranthene, ug/kg dw | 27P |
| Fluorene, ug/kg dw | 13U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 13U |
| Naphthalene, ug/kg dw | 26U |
| Phenanthrene, ug/kg dw | 16 |
| Pyrene, ug/kg dw | 36P |
| Surrogate - Terphenyl-d14 | 84 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1115J |

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Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.6UN |
| Arsenic, mg/kg dw | 3.3 |
| Barium, mg/kg dw | 180 |
| Beryllium, mg/kg dw | 0.51 |
| Cadmium, mg/kg dw | 0.66U |
| Chromium, mg/kg dw | 24 |
| Cobalt, mg/kg dw | 9.9 |
| Copper, mg/kg dw | 15 |
| Nickel, mg/kg dw | 25 |
| Lead, mg/kg dw | 9.7 J |
| Selenium, mg/kg dw | 1.3U |
| Silver, mg/kg dw | 1.3U |
| Tin, mg/kg dw | 6.6U |
| Thallium, mg/kg dw | 1.3U |
| Vanadium, mg/kg dw | 27 |
| Zinc, mg/kg dw | 57 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.033U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 190 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 5800 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-5 | SS36800911109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-5 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 8.86 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |
| Percent Solids | 76 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 240U |
| Acetone, ug/kg dw | 68 |
| Benzene, ug/kg dw | 6.1U |
| Bromodichloromethane, ug/kg dw | 6.1U |
| Bromomethane (Methyl bromide), ug/kg dw | 12U |
| Carbon disulfide, ug/kg dw | 6.1U |
| Chlorobenzene, ug/kg dw | 6.1U |
| Dibromochloromethane, ug/kg dw | 6.1U |
| Chloroethane, ug/kg dw | 12U |
| Chloromethane (Methyl chloride), ug/kg dw | 12U |
| Chloroform, ug/kg dw | 6.1U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 6.1U |
| Chloroprene, ug/kg dw | 6.1U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 12U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 6.1U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 6.1U |
| Dichlorodifluoromethane, ug/kg dw | 6.1U |
| 1,1-Dichloroethane, ug/kg dw | 6.1U |
| 1,2-Dichloroethane, ug/kg dw | 6.1U |
| trans-1,2-Dichloroethene, ug/kg dw | 6.1U |
| 1,1-Dichloroethylene, ug/kg dw | 6.1U |
| Methylene chloride (Dichloromethane), ug/kg dw | 6.1U |

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 6.1U |
| cis-1,3-Dichloropropene, ug/kg dw | 6.1U |
| trans-1,3-Dichloropropene, ug/kg dw | 6.1U |
| Ethylbenzene, ug/kg dw | 6.1U |
| Methyl ethyl ketone, ug/kg dw | 31U |
| Iodomethane (Methyl iodide), ug/kg dw | 6.1U |
| Methacrylonitrile, ug/kg dw | 120U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 31U |
| Pentachloroethane, ug/kg dw | 31U |
| Styrene, ug/kg dw | 6.1U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 6.1U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 6.1U |
| Tetrachloroethene, ug/kg dw | 6.1U |
| Carbon tetrachloride, ug/kg dw | 6.1U |
| Toluene, ug/kg dw | 6.1U |
| Bromoform, ug/kg dw | 6.1U |
| 1,1,2-Trichloroethane, ug/kg dw | 6.1U |
| 1,1,1-Trichloroethane, ug/kg dw | 6.1U |
| Trichloroethene, ug/kg dw | 6.1U |
| Trichlorofluoromethane, ug/kg dw | 6.1U |
| 1,2,3-Trichloropropane, ug/kg dw | 6.1U |
| Vinyl acetate, ug/kg dw | 12U |
| Vinyl chloride, ug/kg dw | 12U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| Xylenes, Total, ug/kg dw | 12U |
| 2-Hexanone, ug/kg dw | 31U |
| Propionitrile, ug/kg dw | 120U |
| Methyl methacrylate, ug/kg dw | 6.1U |
| Acrolein (Propenal), ug/kg dw | 120U |
| Acrylonitrile, ug/kg dw | 120U |
| Ethyl methacrylate, ug/kg dw | 6.1U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 240U |
| Dibromomethane, ug/kg dw | 6.1U |
| cis-1,2-Dichloroethene, ug/kg dw | 6.1U |
| Surrogate - Toluene-d8 | 97 % |
| Surrogate - 4-Bromofluorobenzene | 100 % |
| Surrogate - Dibromofluoromethane | 90 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.19.99 |
| Batch ID | 1M1119 |

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|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 420U |
| 2-Acetylaminofluorene, ug/kg dw | 420U |
| 4-Aminobiphenyl, ug/kg dw | 420U |
| Aniline, ug/kg dw | 420U |
| Aramite (total), ug/kg dw | 420U |
| Benzyl alcohol, ug/kg dw | 420U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 420U |
| bis(2-Chloroethyl)ether, ug/kg dw | 420U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 420U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 420U |
| 4-Bromophenylphenyl ether, ug/kg dw | 420U |
| Butylbenzylphthalate, ug/kg dw | 420U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 850U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 420U |
| 2-Chloronaphthalene, ug/kg dw | 420U |
| 2-Chlorophenol, ug/kg dw | 420U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 420U |
| Cresol, m & p, ug/kg dw | 420U |
| Cresol (ortho), ug/kg dw | 420U |
| Diallate, Total, ug/kg dw | 420U |
| Dibenzofuran, ug/kg dw | 420U |

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|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 | | |
|---|---|---|---|
| Di-n-butylphthalate, ug/kg dw | 420U | | |
| 3,3'-Dichlorobenzidine, ug/kg dw | 850U | | |
| 2,4-Dichlorophenol, ug/kg dw | 420U | | |
| 2,6-Dichlorophenol, ug/kg dw | 420U | | |
| Diethylphthalate, ug/kg dw | 420U | | |
| p-(Dimethylamino)azobenzene, ug/kg dw | 420U | | |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 420U | | |
| 3,3'-Dimethylbenzidine, ug/kg dw | 850U | | |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 86000U | | |
| 2,4-Dimethylphenol, ug/kg dw | 420U | | |
| Dimethylphthalate, ug/kg dw | 420U | | |
| m-Dinitrobenzene , ug/kg dw | 420U | | |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2200U | | |
| 2,4-Dinitrophenol, ug/kg dw | 2200U | | |
| 2,4-Dinitrotoluene, ug/kg dw | 420U | | |
| 2,6-Dinitrotoluene, ug/kg dw | 420U | | |
| Di-n-octylphthalate, ug/kg dw | 420U | | |
| 1,4-Dioxane, ug/kg dw | 420U | | |
| Ethyl methanesulfonate, ug/kg dw | 420U | | |
| Hexachlorobenzene, ug/kg dw | 420U | | |
| Hexachlorobutadiene, ug/kg dw | 420U | | |
| Hexachlorocyclopentadiene, ug/kg dw | 420U | | |

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|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 | | |
|---|---|---|---|
| Hexachloroethane, ug/kg dw | 420U | | |
| Hexachlorophene, ug/kg dw | 26000U | | |
| Hexachloropropene, ug/kg dw | 420U | | |
| Isophorone, ug/kg dw | 420U | | |
| Isosafrole, ug/kg dw | 420U | | |
| Methapyrilene, ug/kg dw | 8500U | | |
| 3-Methylcholanthrene, ug/kg dw | 420U | | |
| Methyl methanesulfonate, ug/kg dw | 420U | | |
| 2-Methylnaphthalene, ug/kg dw | 420U | | |
| 1,4-Naphthoquinone, ug/kg dw | 420U | | |
| 1-Naphthylamine, ug/kg dw | 420U | | |
| 2-Naphthylamine, ug/kg dw | 420U | | |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2200U | | |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2200U | | |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2200U | | |
| Nitrobenzene, ug/kg dw | 420U | | |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 420U | | |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2200U | | |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4200U | | |
| N-Nitrosodi-n-butylamine, ug/kg dw | 420U | | |
| N-Nitrosodiethylamine, ug/kg dw | 420U | | |
| N-Nitrosodimethylamine, ug/kg dw | 420U | | |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 420U | | |

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|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 420U |
| N-Nitrosomethylethylamine, ug/kg dw | 420U |
| N-Nitrosomorpholine, ug/kg dw | 420U |
| N-Nitrosopiperidine, ug/kg dw | 420U |
| N-Nitrosopyrrolidine, ug/kg dw | 420U |
| 5-Nitro-o-toluidine, ug/kg dw | 420U |
| Pentachlorobenzene, ug/kg dw | 420U |
| Pentachloronitrobenzene, ug/kg dw | 420U |
| Pentachlorophenol, ug/kg dw | 2200U |
| Phenacetin, ug/kg dw | 420U |
| Phenol, ug/kg dw | 420U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2200U |
| 2-Picoline, ug/kg dw | 420U |
| Pronamide, ug/kg dw | 420U |
| Pyridine, ug/kg dw | 420U |
| Safrole, ug/kg dw | 420U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 420U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 420U |
| o-Toluidine, ug/kg dw | 420U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 420U |
| 2,4,5-Trichlorophenol, ug/kg dw | 420U |
| 2,4,6-Trichlorophenol, ug/kg dw | 420U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 420U |

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 420U |
| Famphur, ug/kg dw | 420U |
| Dimethoate, ug/kg dw | 420U |
| Quinoline, ug/kg dw | 420U |
| Benzenethiol, ug/kg dw | 420U |
| Kepone, ug/kg dw | 420U |
| 1-Methylnaphthalene, ug/kg dw | 420U |
| 1,2-Dichlorobenzene, ug/kg dw | 420U |
| 1,3-Dichlorobenzene, ug/kg dw | 420U |
| 1,4-Dichlorobenzene, ug/kg dw | 420U |
| Surrogate - Phenol-d5 | 37 % |
| Surrogate - 2-Fluorophenol | 46 % |
| Surrogate - 2,4,6-Tribromophenol | 58 % |
| Surrogate - Nitrobenzene-d5 | 35 % |
| Surrogate - 2-Fluorobiphenyl | 44 % |
| Surrogate - Terphenyl-d14 | 54 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 64U |
| Anthracene, ug/kg dw | 5.2U |
| Benzo(a)anthracene, ug/kg dw | 17 |
| Benzo(a)pyrene, ug/kg dw | 5.3P |
| Benzo(b)fluoranthene, ug/kg dw | 5.2U |
| Benzo(g,h,i)perylene, ug/kg dw | 13U |
| Benzo(k)fluoranthene, ug/kg dw | 5.2U |
| Chrysene, ug/kg dw | 5.8P |
| Dibenzo(a,h)anthracene, ug/kg dw | 13U |
| Fluoranthene, ug/kg dw | 13P |
| Fluorene, ug/kg dw | 13U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 13U |
| Naphthalene, ug/kg dw | 26U |
| Phenanthrene, ug/kg dw | 16 |
| Pyrene, ug/kg dw | 28P |
| Surrogate - Terphenyl-d14 | 91 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1115J |

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Sampled By: Client
Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.4UN |
| Arsenic, mg/kg dw | 2.8 |
| Barium, mg/kg dw | 140 |
| Beryllium, mg/kg dw | 0.46 |
| Cadmium, mg/kg dw | 0.65U |
| Chromium, mg/kg dw | 19 |
| Cobalt, mg/kg dw | 7.8 |
| Copper, mg/kg dw | 13 |
| Nickel, mg/kg dw | 17 |
| Lead, mg/kg dw | 9.5 J |
| Selenium, mg/kg dw | 1.3U |
| Silver, mg/kg dw | 1.3U |
| Tin, mg/kg dw | 6.5U |
| Thallium, mg/kg dw | 1.3U |
| Vanadium, mg/kg dw | 26 |
| Zinc, mg/kg dw | 51 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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Code: 161100111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| **Mercury (7471)** | |
| Mercury, mg/kg dw | 0.032U |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| **Cyanide (9010)** | |
| Cyanide, Total, mg/kg dw | 1.3U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 160 |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 3700 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-6 | SS36801111109900S | 11-10-99/11:30 | WRR002 |

| PARAMETER | 17621-6 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 8.87 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |
| Percent Solids | 77 |

Elizabeth F. Beauchamp, Project Manager

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Volatile Organic Compounds (8260) | |
| Acetonitrile, ug/kg dw | 330U |
| Acetone, ug/kg dw | 150 |
| Benzene, ug/kg dw | 8.4U |
| Bromodichloromethane, ug/kg dw | 8.4U |
| Bromomethane (Methyl bromide), ug/kg dw | 17U |
| Carbon disulfide, ug/kg dw | 8.4U |
| Chlorobenzene, ug/kg dw | 8.4U |
| Dibromochloromethane, ug/kg dw | 8.4U |
| Chloroethane, ug/kg dw | 17U |
| Chloromethane (Methyl chloride), ug/kg dw | 17U |
| Chloroform, ug/kg dw | 8.4U |
| 3-Chloro-1-propene (Allyl chloride), ug/kg dw | 8.4U |
| Chloroprene, ug/kg dw | 8.4U |
| 1,2-Dibromo-3-chloropropane, ug/kg dw | 17U |
| 1,2-Dibromoethane (EDB), ug/kg dw | 8.4U |
| trans-1,4-Dichloro-2-butene, ug/kg dw | 8.4U |
| Dichlorodifluoromethane, ug/kg dw | 8.4U |
| 1,1-Dichloroethane, ug/kg dw | 8.4U |
| 1,2-Dichloroethane, ug/kg dw | 8.4U |
| trans-1,2-Dichloroethene, ug/kg dw | 8.4U |
| 1,1-Dichloroethylene, ug/kg dw | 8.4U |
| Methylene chloride (Dichloromethane), ug/kg dw | 8.4U |

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Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161200111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| 1,2-Dichloropropane, ug/kg dw | 8.4U |
| cis-1,3-Dichloropropene, ug/kg dw | 8.4U |
| trans-1,3-Dichloropropene, ug/kg dw | 8.4U |
| Ethylbenzene, ug/kg dw | 8.4U |
| Methyl ethyl ketone, ug/kg dw | 45 |
| Iodomethane (Methyl iodide), ug/kg dw | 8.4U |
| Methacrylonitrile, ug/kg dw | 170U |
| 4-Methyl-2-pentanone (MIBK), ug/kg dw | 42U |
| Pentachloroethane, ug/kg dw | 42U |
| Styrene, ug/kg dw | 8.4U |
| 1,1,1,2-Tetrachloroethane, ug/kg dw | 8.4U |
| 1,1,2,2-Tetrachloroethane, ug/kg dw | 8.4U |
| Tetrachloroethene, ug/kg dw | 8.4U |
| Carbon tetrachloride, ug/kg dw | 8.4U |
| Toluene, ug/kg dw | 8.4U |
| Bromoform, ug/kg dw | 8.4U |
| 1,1,2-Trichloroethane, ug/kg dw | 8.4U |
| 1,1,1-Trichloroethane, ug/kg dw | 8.4U |
| Trichloroethene, ug/kg dw | 8.4U |
| Trichlorofluoromethane, ug/kg dw | 8.4U |
| 1,2,3-Trichloropropane, ug/kg dw | 8.4U |
| Vinyl acetate, ug/kg dw | 17U |
| Vinyl chloride, ug/kg dw | 17U |

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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Xylenes, Total, ug/kg dw | 17U |
| 2-Hexanone, ug/kg dw | 42U |
| Propionitrile, ug/kg dw | 170U |
| Methyl methacrylate, ug/kg dw | 8.4U |
| Acrolein (Propenal), ug/kg dw | 170U |
| Acrylonitrile, ug/kg dw | 170U |
| Ethyl methacrylate, ug/kg dw | 8.4U |
| Isobutanol (Isobutyl alcohol), ug/kg dw | 330U |
| Dibromomethane, ug/kg dw | 8.4U |
| cis-1,2-Dichloroethene, ug/kg dw | 8.4U |
| Surrogate - Toluene-d8 | 117 % |
| Surrogate - 4-Bromofluorobenzene | 112 % |
| Surrogate - Dibromofluoromethane | 119 % |
| Dilution Factor | 1.0 |
| Analysis Date | 11.23.99 |
| Batch ID | 2M1122 |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Acids and Base Neutrals (8270-APP9) | |
| Acetophenone, ug/kg dw | 480U |
| 2-Acetylaminofluorene, ug/kg dw | 480U |
| 4-Aminobiphenyl, ug/kg dw | 480U |
| Aniline, ug/kg dw | 480U |
| Aramite (total), ug/kg dw | 480U |
| Benzyl alcohol, ug/kg dw | 480U |
| bis(2-Chloroethoxy)methane, ug/kg dw | 480U |
| bis(2-Chloroethyl)ether, ug/kg dw | 480U |
| 2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw | 480U |
| bis(2-Ethylhexyl)phthalate, ug/kg dw | 480U |
| 4-Bromophenylphenyl ether, ug/kg dw | 480U |
| Butylbenzylphthalate, ug/kg dw | 480U |
| 4-Chloroaniline (p-Chloroaniline), ug/kg dw | 960U |
| 4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw | 480U |
| 2-Chloronaphthalene, ug/kg dw | 480U |
| 2-Chlorophenol, ug/kg dw | 480U |
| 4-Chlorophenylphenyl ether, ug/kg dw | 480U |
| Cresol, m & p, ug/kg dw | 480U |
| Cresol (ortho), ug/kg dw | 480U |
| Diallate, Total, ug/kg dw | 480U |
| Dibenzofuran, ug/kg dw | 480U |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Di-n-butylphthalate, ug/kg dw | 480U |
| 3,3'-Dichlorobenzidine, ug/kg dw | 960U |
| 2,4-Dichlorophenol, ug/kg dw | 480U |
| 2,6-Dichlorophenol, ug/kg dw | 480U |
| Diethylphthalate, ug/kg dw | 480U |
| p-(Dimethylamino)azobenzene, ug/kg dw | 480U |
| 7,12-Dimethylbenz(a)anthracene, ug/kg dw | 480U |
| 3,3'-Dimethylbenzidine, ug/kg dw | 960U |
| alpha,alpha-Dimethylphenethylamine, ug/kg dw | 98000U |
| 2,4-Dimethylphenol, ug/kg dw | 480U |
| Dimethylphthalate, ug/kg dw | 480U |
| m-Dinitrobenzene , ug/kg dw | 480U |
| 4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw | 2500U |
| 2,4-Dinitrophenol, ug/kg dw | 2500U |
| 2,4-Dinitrotoluene, ug/kg dw | 480U |
| 2,6-Dinitrotoluene, ug/kg dw | 480U |
| Di-n-octylphthalate, ug/kg dw | 480U |
| 1,4-Dioxane, ug/kg dw | 480U |
| Ethyl methanesulfonate, ug/kg dw | 480U |
| Hexachlorobenzene, ug/kg dw | 480U |
| Hexachlorobutadiene, ug/kg dw | 480U |
| Hexachlorocyclopentadiene, ug/kg dw | 480U |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Hexachloroethane, ug/kg dw | 480U |
| Hexachlorophene, ug/kg dw | 29000U |
| Hexachloropropene, ug/kg dw | 480U |
| Isophorone, ug/kg dw | 480U |
| Isosafrole, ug/kg dw | 480U |
| Methapyrilene, ug/kg dw | 9600U |
| 3-Methylcholanthrene, ug/kg dw | 480U |
| Methyl methanesulfonate, ug/kg dw | 480U |
| 2-Methylnaphthalene, ug/kg dw | 480U |
| 1,4-Naphthoquinone, ug/kg dw | 480U |
| 1-Naphthylamine, ug/kg dw | 480U |
| 2-Naphthylamine, ug/kg dw | 480U |
| 2-Nitroaniline (o-Nitroaniline), ug/kg dw | 2500U |
| 3-Nitroaniline (m-Nitroaniline), ug/kg dw | 2500U |
| 4-Nitroaniline (p-Nitroaniline), ug/kg dw | 2500U |
| Nitrobenzene, ug/kg dw | 480U |
| 2-Nitrophenol (o-Nitrophenol), ug/kg dw | 480U |
| 4-Nitrophenol (p-Nitrophenol), ug/kg dw | 2500U |
| 4-Nitroquinoline-1-oxide, ug/kg dw | 4800U |
| N-Nitrosodi-n-butylamine, ug/kg dw | 480U |
| N-Nitrosodiethylamine, ug/kg dw | 480U |
| N-Nitrosodimethylamine, ug/kg dw | 480U |
| N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw | 480U |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| n-Nitrosodi-n-propylamine, ug/kg dw | 480U |
| N-Nitrosomethylethylamine, ug/kg dw | 480U |
| N-Nitrosomorpholine, ug/kg dw | 480U |
| N-Nitrosopiperidine, ug/kg dw | 480U |
| N-Nitrosopyrrolidine, ug/kg dw | 480U |
| 5-Nitro-o-toluidine, ug/kg dw | 480U |
| Pentachlorobenzene, ug/kg dw | 480U |
| Pentachloronitrobenzene, ug/kg dw | 480U |
| Pentachlorophenol, ug/kg dw | 2500U |
| Phenacetin, ug/kg dw | 480U |
| Phenol, ug/kg dw | 480U |
| 1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw | 2500U |
| 2-Picoline, ug/kg dw | 480U |
| Pronamide, ug/kg dw | 480U |
| Pyridine, ug/kg dw | 480U |
| Safrole, ug/kg dw | 480U |
| 1,2,4,5-Tetrachlorobenzene, ug/kg dw | 480U |
| 2,3,4,6-Tetrachlorophenol, ug/kg dw | 480U |
| o-Toluidine, ug/kg dw | 480U |
| 1,2,4-Trichlorobenzene, ug/kg dw | 480U |
| 2,4,5-Trichlorophenol, ug/kg dw | 480U |
| 2,4,6-Trichlorophenol, ug/kg dw | 480U |
| O,O,O-Triethyl phosphorothioate, ug/kg dw | 480U |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| 1,3,5-Trinitrobenzene, ug/kg dw | 480U |
| Famphur, ug/kg dw | 480U |
| Dimethoate, ug/kg dw | 480U |
| Quinoline, ug/kg dw | 480U |
| Benzenethiol, ug/kg dw | 480U |
| Kepone, ug/kg dw | 480U |
| 1-Methylnaphthalene, ug/kg dw | 480U |
| 1,2-Dichlorobenzene, ug/kg dw | 480U |
| 1,3-Dichlorobenzene, ug/kg dw | 480U |
| 1,4-Dichlorobenzene, ug/kg dw | 480U |
| Surrogate - Phenol-d5 | 40 % |
| Surrogate - 2-Fluorophenol | 58 % |
| Surrogate - 2,4,6-Tribromophenol | 52 % |
| Surrogate - Nitrobenzene-d5 | 41 % |
| Surrogate - 2-Fluorobiphenyl | 41 % |
| Surrogate - Terphenyl-d14 | 50 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.17.99 |
| Batch ID | 1115A |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Polynuclear Aromatics (8310) | |
| Acenaphthene, ug/kg dw | 73U |
| Anthracene, ug/kg dw | 5.8U |
| Benzo(a)anthracene, ug/kg dw | 5.8U |
| Benzo(a)pyrene, ug/kg dw | 5.8U |
| Benzo(b)fluoranthene, ug/kg dw | 5.8U |
| Benzo(g,h,i)perylene, ug/kg dw | 15U |
| Benzo(k)fluoranthene, ug/kg dw | 5.8U |
| Chrysene, ug/kg dw | 5.8U |
| Dibenzo(a,h)anthracene, ug/kg dw | 15U |
| Fluoranthene, ug/kg dw | 15U |
| Fluorene, ug/kg dw | 15U |
| Indeno(1,2,3-cd)pyrene, ug/kg dw | 15U |
| Naphthalene, ug/kg dw | 29U |
| Phenanthrene, ug/kg dw | 5.8U |
| Pyrene, ug/kg dw | 15U |
| Surrogate - Terphenyl-d14 | 64 % |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.24.99 |
| Batch ID | 1115J |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Metals (6010) | |
| Antimony, mg/kg dw | 2.7UN |
| Arsenic, mg/kg dw | 8.4 |
| Barium, mg/kg dw | 290 |
| Beryllium, mg/kg dw | 0.73 |
| Cadmium, mg/kg dw | 0.74U |
| Chromium, mg/kg dw | 31 |
| Cobalt, mg/kg dw | 8.6 |
| Copper, mg/kg dw | 23 |
| Nickel, mg/kg dw | 23 |
| Lead, mg/kg dw | 14 |
| Selenium, mg/kg dw | 1.5U |
| Silver, mg/kg dw | 1.5U |
| Tin, mg/kg dw | 7.4U |
| Thallium, mg/kg dw | 1.5U |
| Vanadium, mg/kg dw | 44 |
| Zinc, mg/kg dw | 70 |
| Dilution Factor | 1.0 |
| Prep Date | 11.26.99 |
| Analysis Date | 11.30.99 |
| Batch ID | 1126A |

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| LOG NO | SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| Mercury (7471) | |
| Mercury, mg/kg dw | 0.054 |
| Dilution Factor | 1.0 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.16.99 |
| Batch ID | 1115U |
| Cyanide (9010) | |
| Cyanide, Total, mg/kg dw | 1.5U |
| Dilution Factor | 1.0 |
| Prep Date | 11.23.99 |
| Analysis Date | 11.23.99 |
| Batch ID | 1123S |
| Sulfide (9030), mg/kg dw | 37U |
| Dilution Factor | 1 |
| Prep Date | 11.15.99 |
| Analysis Date | 11.15.99 |
| Batch ID | 1115A |
| Organic Carbon (WALKLEY-BLACK), mg/kg dw | 6200 |
| Dilution Factor | 1.0 |
| Prep Date | 11.19.99 |
| Analysis Date | 11.19.99 |
| Batch ID | 1119X |

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|---|---|---|---|
| 17621-7 | SS36401411109900S | 11-10-99/15:15 | WRR002 |

| PARAMETER | 17621-7 |
|---|---|
| pH in Soil (9045) | |
| pH, units | 8.42 |
| Prep Date | 11.22.99 |
| Analysis Date | 11.22.99 |
| Batch ID | 1122Y |
| Percent Solids | 68 |

Elizabeth F. Beauchamp, Project Manager

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REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-8 | TB-008 (942C) | 11-10-99 | WRR002 |

| PARAMETER | 17621-8 | | |
|---|---|---|---|
| Volatile Organic Compounds (8260) | | | |
| Acetonitrile, ug/l | 200U | | |
| Acetone, ug/l | 50U | | |
| Benzene, ug/l | 5.0U | | |
| Bromodichloromethane, ug/l | 5.0U | | |
| Bromomethane (Methyl bromide), ug/l | 10U | | |
| Carbon disulfide, ug/l | 5.0U | | |
| Chlorobenzene, ug/l | 5.0U | | |
| Dibromochloromethane, ug/l | 5.0U | | |
| Chloroethane, ug/l | 10U | | |
| Chloromethane (Methyl chloride), ug/l | 10U | | |
| Chloroform, ug/l | 5.0U | | |
| 3-Chloro-1-propene (Allyl chloride), ug/l | 5.0U | | |
| Chloroprene, ug/l | 5.0U | | |
| 1,2-Dibromo-3-chloropropane, ug/l | 10U | | |
| 1,2-Dibromoethane (EDB), ug/l | 5.0U | | |
| trans-1,4-Dichloro-2-butene, ug/l | 10U | | |
| Dichlorodifluoromethane, ug/l | 5.0U | | |
| 1,1-Dichloroethane, ug/l | 5.0U | | |
| 1,2-Dichloroethane, ug/l | 5.0U | | |
| trans-1,2-Dichloroethene, ug/l | 5.0U | | |
| 1,1-Dichloroethylene, ug/l | 5.0U | | |
| Methylene chloride (Dichloromethane), ug/l | 5.0U | | |

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|---|---|---|---|
| 17621-8 | TB-008 (942C) | 11-10-99 | WRR002 |

| PARAMETER | 17621-8 |
|---|---|
| 1,2-Dichloropropane, ug/l | 5.0U |
| cis-1,3-Dichloropropene, ug/l | 5.0U |
| trans-1,3-Dichloropropene, ug/l | 5.0U |
| Ethylbenzene, ug/l | 5.0U |
| Methyl ethyl ketone, ug/l | 25U |
| Iodomethane (Methyl iodide), ug/l | 5.0U |
| Methacrylonitrile, ug/l | 100U |
| 4-Methyl-2-pentanone (MIBK), ug/l | 25U |
| Pentachloroethane, ug/l | 25U |
| Styrene, ug/l | 5.0U |
| 1,1,1,2-Tetrachloroethane, ug/l | 5.0U |
| 1,1,2,2-Tetrachloroethane, ug/l | 5.0U |
| Tetrachloroethene, ug/l | 5.0U |
| Carbon tetrachloride, ug/l | 5.0U |
| Toluene, ug/l | 5.0U |
| Bromoform, ug/l | 5.0U |
| 1,1,2-Trichloroethane, ug/l | 5.0U |
| 1,1,1-Trichloroethane, ug/l | 5.0U |
| Trichloroethene, ug/l | 5.0U |
| Trichlorofluoromethane, ug/l | 5.0U |
| 1,2,3-Trichloropropane, ug/l | 5.0U |
| Vinyl acetate, ug/l | 10U |
| Vinyl chloride, ug/l | 10U |

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a division of Severn Trent Laboratories, Inc.
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LOG NO: S9-17621
Received: 11 NOV 99
Reported: 30 DEC 99

Ms. Heather Halderman
Woodward Clyde Consultants
2318 Millpark Drive
Maryland Heights, MO 63043

Contract No.: S7219
Project: WRR002/2389C8602F.01-0D200/SWMU's S,T,V
Sampled By: Client
Code: 161200111

REPORT OF RESULTS



| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|---|---|---|---|
| 17621-8 | TB-008 (942C) | 11-10-99 | WRR002 |

| PARAMETER | 17621-8 | | |
|---|---|---|---|
| Xylenes, Total, ug/l | 10U | | |
| 2-Hexanone, ug/l | 25U | | |
| Propionitrile, ug/l | 100U | | |
| Methyl methacrylate, ug/l | 5.0U | | |
| Acrolein (Propenal), ug/l | 100U | | |
| Acrylonitrile, ug/l | 100U | | |
| Ethyl methacrylate, ug/l | 5.0U | | |
| Isobutanol (Isobutyl alcohol), ug/l | 200U | | |
| Dibromomethane, ug/l | 5.0U | | |
| cis-1,2-Dichloroethene, ug/l | 5.0U | | |
| Surrogate - Toluene-d8 | 128 % | | |
| Surrogate - 4-Bromofluorobenzene | 118 % | | |
| Surrogate - Dibromofluoromethane | 106 % | | |
| Dilution Factor | 1.0 | | |
| Analysis Date | 11.24.99 | | |
| Batch ID | 2M1124 | | |

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| 17621-8 | TB-008 (942C) | 11-10-99 | WRR002 |

| PARAMETER | 17621-8 |
|---|---|

Methods: EPA SW-846, Update III.

U = Not detected at the Reporting Limit.

X = Surrogate recovery was outside established limits.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC detectors confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, reviewer discretion should be employed during data review and interpretation of results for this target compound.

Elizabeth F. Beauchamp, Project Manager

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|---|---|---|---|
| Matt Foresman | (314)429-0100 | Betsy Beachaump | (912)354-7858 |
| Company: WOODWARD CLYDE CONSULTANTS | Department/Floor No.: - | Company: Savannah Labs | Department/Floor No.: |
| Street Address: [illegible] MILLPARK DR | 59-17621 | Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 5102 Laroche Ave. | |
| City: MARYLAND HEIGHTS State: MO | ZIP Required: 63043 | City: Savannah State: GA | ZIP Required: 31404 |

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# CHAIN OF CUSTODY RECORD

SHEET 1 of 1

WOODWARD-CLYDE CONSULTANTS
2318 MILLPARK DR.
MARYLAND HEIGHTS, MISSOURI 63043
314-429-0100

PROJECT NO: Z3-89C8602F.01-0D200

PROJECT NAME: SWMUs S, T, & V

SAMPLER'S: (Signature) Matt Foresman & Amelia Turnell

| DATE | TIME | SAMPLE I.D. NUMBER | NO. OF CONTAINERS | VOCs - 8260 (Appendix IX) | SVOCs - 8270 PAHs - 8310 (Appendix IX) | Metals, Cyanide & Sulfide (Appendix IX) | TOC, moisture, pH (taken from Metals jar) | PID Reading (ppm) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 11-10-99 | 1015 | SS367008111099005 | 6 | 4* | 1 | 1 | | 84 | * 3 encores & 1 jar |
| | | SS367009111099005 | 6 | 4* | 1 | 1 | | 71 | |
| | | SS367011111099005 | 6 | 4* | 1 | 1 | | 10 | |
| | 1130 | SS368006111099005 | 6 | 4* | 1 | 1 | | 205 | |
| | | SS368009111099005 | 6 | 4* | 1 | 1 | 1 | 2 | |
| | | SS368011111099005 | 6 | 4* | 1 | 1 | 1 | 5 | |
| | 1515 | SS364014111099005 | 6 | 4* | 1 | 1 | 1 | 2 | |
| - | - | Trip Blank (TB008) (942c) Appendix (IX) | 3 | 3+ | | | | - | + 3 vials (aqueous) |
| | | | | | | | | | |
| | | | | | | | | | |

| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME |
|---|---|---|---|
| Amelia Turnell | 11/10/99 1800 | [signature] | 11/11/99 9:30 |
| RELINQUISHED BY: (Signature) | DATE / TIME | RECEIVED AT LAB BY: (Signature) | DATE / TIME |
| | | | |

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