

EPA CONTRACT NO. 68-W6-0042
EPA WORK ASSIGNMENT NO. 107-RICO-0146

EPA Project Officer: Diana King
EPA Remedial Project Manager: Joseph LeMay

# BASELINE HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT REPORT

## Wells G&H Superfund Site
## Aberjona River Study
## Operable Unit 3
## Woburn, Massachusetts

## Volume II
## Tables - Section 2

**September 2004**

*Prepared By:*

*Metcalf & Eddy*
*701 Edgewater Drive*
*Wakefield, Massachusetts*

M&E
Metcalf & Eddy

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Metcalf & Eddy

**TABLE 2-1**
**SAMPLING LOCATIONS AND HABITAT TYPES**

**WELLS G&H SUPERFUND SITE OU3**

| Reach | Sampling Station | Habitat | | | Location |
|---|---|---|---|---|---|
| | | Lake/Pond | River | Wetland | |
| Study Area | | | | | |
| 1 | | | | | **Wells G&H Wetland** |
| | NRSE | | | X | Normac Road (sediments) |
| | NRSO | | X | | Normac Road (soils) |
| | 14 | | X | | Aberjona River |
| | 22 & TT-22 | | | X | Northeast of Wells G&H Wetland |
| | 21 | | | X | Aberjona River Wetlands |
| | 12 | | X | | Aberjona River |
| | 13 | | | X | Aberjona River Wetlands |
| | TT-28 | | X | | Eastern portion of Wells G&H Wetland |
| | WH | | | X | Eastern portion of Wells G&H Wetland |
| | TT-27 | | | X | Western portion of Wells G&H Wetland |
| | BW | | | X | Board Walk |
| | 15 | | | X | Aberjona River Wetlands |
| | 20 | | | X | Aberjona River Wetlands |
| | WG | | | X | Eastern portion of Wells G&H Wetland |
| | TT-29 | | X | | Eastern portion of Wells G&H Wetland |
| | 19 | | | X | Aberjona River Wetlands |
| | 11 | | X | | Aberjona River |
| | WW | | | X | Western portion of Wells G&H Wetland - Wildwood |
| | JY | | | X | Junk Yard (North of Salem St.) |
| | 18 | | X | | Aberjona River Wetlands |
| | | | | | **Salem Street** |
| | WS | | X | | Aberjona River |
| | 10 | | X | | Aberjona River |
| | WSS | | X | | Aberjona River (North of Salem St.) (soils) |
| 2 | TT-30 | | X | | South of Salem Street |
| | TT-31 | | | X | South of Salem Street |
| | | | | | **Cranberry Bog** |
| | TT-32 | | X | | Cranberry Bog (North of stations 9 & 16) |
| | CB-01 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | CB-07 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | CB-04 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | CB-03 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | CB-05 | | X | | Cranberry Bog (North of stations 9 & 16) (soils) |
| | CB-02 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | CB-06 | | | X | Cranberry Bog (North of stations 9 & 16) |
| | TT-33 | | X | | Cranberry Bog (North of stations 9 & 16) |
| | 16 | | X | | Aberjona River |
| | 09 | | X | | Aberjona River |
| | DA | | X | | Danielson Park (South of stations 9 & 16) (soils) |
| | AM | | X | | Montvale Avenue |
| | KFSE | | X | | Kraft Foods (South of stations 9 & 16) (sediments) |
| | KFSO | | X | | Kraft Foods (South of stations 9 & 16) (soils) |
| | 08 | | X | | Aberjona River |
| 3 | 07 & DP | X | | | Aberjona River (sediments) and Davidson Park (soils) |
| | LP | | X | | Leonard Pool |
| | AS | | X | | Swanton Street |

**TABLE 2-1**
**SAMPLING LOCATIONS AND HABITAT TYPES**

**WELLS G&H SUPERFUND SITE OU3**

| Reach | Sampling Station | Habitat | | | Location |
|---|---|---|---|---|---|
| | | Lake/Pond | River | Wetland | |
| 4 | 06 & JP | X | | | Aberjona River and Judkins Pond |
| | MP | X | | | The Winchester Center Mill Pond |
| 5 | 05 | | X | | Aberjona River |
| | AJRW | | X | | Aberjona River south of Bacon Street |
| 6 | | | | | **Mystic Lakes** |
| | 04 & AO | X | | | Mystic Lake and Upper Forebay of the Mystic Lakes |
| | UF | X | | | Upper Forebay of the Mystic Lakes |
| | 03 | X | | | Mystic Lake |
| | 02 | X | | | Mystic Lake |
| | LF | X | | | Lower Forebay of the Mystic Lakes |
| | 01 | X | | | Mystic Lake - Sandy Beach |
| | UM | X | | | Upper Mystic Lake |
| | LM | X | | | Lower Mystic Lake |
| **Reference** | | | | | |
| | 23 | | X | | Lubbers Brook - Ref. for Aberjona River |
| | 24 | | | X | Maple Meadow Brook - Ref. for Aberjona R. Wetlands |
| | 25 | X | | | Horn Pond - Ref. for Mystic Lake |
| | 26 | X | | | Wrights Pond - Ref. Lake/Pond |
| | 27 | | X | | Shawsheen River - Ref. River/Stream |
| | 01-IP | | X | | S. Branch Aberjona River - Ref. River/Stream |
| | 02-IP | X | | | South Pond - Ref. Lake/Pond |
| | 03-IP | X | | | Phillips Pond - Ref. Lake/Pond |
| | 04-IP | | X | | Halls Brook - Ref. River/Stream |
| | 12-IP | | X | | Halls Brook - Ref. River/Stream |
| | HB | | | X | Halls Brook - Ref. Wetland |
| | SA | | | X | S. Branch Aberjona River - Ref. Wetland |

TABLE 2-2
SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION

WELLS G&H SUPERFUND SITE OU3

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| 01 | 6 | lake | SD-01-01-FW | 8/15/1995 | 1 ft water | |
| | | | SD-01-02-FW | 8/15/1995 | 4 ft water | |
| | | | SD-01-03-FW | 8/15/1995 | 1 ft water | |
| | | | SD-01-04-FW | 8/15/1995 | 4 ft water | |
| | | | SD-01-05-FW | 8/15/1995 | 1 ft water | |
| | | | SD-01-06-FW | 8/15/1995 | 5 ft water | |
| | | | SD-01-06-ME | 11/12/1997 | 7 ft water | |
| | | | SD-01-07-FW | 8/15/1995 | 6 ft water | |
| | | | SD-01-07-ME | 11/12/1997 | 8 ft water | |
| | | | SD-01-08-FW | 8/15/1995 | 1 ft water | |
| | | | SD-01-09-FW | 8/15/1995 | 5 ft water | |
| | | | SD-01-10-FW | 8/15/1995 | 6 ft water | |
| 02 | 6 | lake | SD-02-01-FW | 8/16/1995 | 4.9 ft water | |
| | | | SD-02-01-ME | 11/13/1997 | 5 ft water | |
| | | | SD-02-02-FW | 8/16/1995 | 4.9 ft water | |
| | | | SD-02-02-ME | 11/13/1997 | 7 ft water | |
| | | | SD-02-03-FW | 8/16/1995 | 1 ft or 3.3 ft water | Units not provided in field notes |
| 03 | 6 | lake | SD-03-01-FW | 8/16/1995 | 1.6 ft water | |
| | | | SD-03-02-FW | 8/16/1995 | 2.5 ft water | |
| | | | SD-03-02-ME | 11/13/1997 | 1.5 ft water | |
| | | | SD-03-03-FW | 8/16/1995 | 0.3 ft water | |
| 04 / AO | 6 | lake | SD-04-01-FW | 8/17/1995 | 4.9 ft water | |
| | | | SD-04-02-FW | 8/17/1995 | 4.9 ft water | |
| | | | SD-04-02-ME | 11/14/1997 | 7 ft water | |
| | | | SD-04-03-FW | 8/17/1995 | 3.3 ft water | |
| | | | SD-04-03-ME | 11/14/1997 | 7 ft water | |
| | | | SD-AO-01 | 7/18/2000 | 4.7 ft water | |
| | | | SD-AO-02 | 7/18/2000 | 4.4 ft water | |
| | | | SD-AO-03 | 7/18/2000 | 4.5 ft water | |
| | | | SD-AO-03-TR | 6/27/2001 | 5 ft water | |
| | | | SD-AO-04 | 7/18/2000 | 6.3 ft water | |
| | | | SD-AO-05 | 7/18/2000 | 5.5 ft water | |
| 05 | 5 | river | SD-05-01-FW | 8/17/1995 | 1 ft water | |
| | | | SD-05-02-FW | 8/17/1995 | not provided | |
| | | | SD-05-03-FW | 8/17/1995 | 2 ft water | |
| | | | SD-05-03-ME | 11/13/1997 | 3 ft water | |
| 06 / JP | 4 | lake | SD-06-01-FW | 8/18/1995 | 3.3 ft water | |
| | | | SD-06-02-FW | 8/18/1995 | 3.3 ft water | |
| | | | SD-06-03-FW | 8/18/1995 | 3.3 ft water | |
| | | | SD-06-03-ME | 11/18/1997 | 4 ft water | |
| | | | SD-06-03-TR | 6/26/2001 | 3.8 ft water | |
| | | | SD-JP-01 | 7/10/2000 | 4 ft water | |
| 07 | 3 | lake | SD-07-01-FW | 8/18/1995 | not provided | |
| | | | SD-07-02-FW | 8/21/1995 | 5 ft water | |
| | | | SD-07-02-ME | 11/20/1997 | 3.4 ft water | |
| | | | SD-07-03-FW | 8/21/1995 | not provided | |
| | | | SD-07-04-FW | 8/29/1995 | not provided | |
| | | | SD-07-05-FW | 8/21/1995 | 2 ft water | |
| | | | SD-07-05-ME | 11/20/1997 | 1.2 ft water | |
| | | | SD-07-06-FW | 8/21/1995 | 4 ft water | |
| | | | SD-07-07-FW | 8/21/1995 | 1.5 ft water | |
| | | | SD-07-08-FW | 8/21/1995 | 1.5 ft water | |
| | | | SD-07-09-FW | 8/21/1995 | 1 ft water | |
| | | | SD-07-10-FW | 8/21/1995 | 1 ft water | |
| | | | SD-07-10-ME | 11/19/1997 | 2 ft water | |
| 08 | 2 | river | SD-08-01-FW | 8/21/1995 | 1 ft water | |
| | | | SD-08-02-FW | 8/21/1995 | 1.5 ft water | |
| | | | SD-08-03-FW | 8/21/1995 | 1.5 ft water | |

**TABLE 2-2**
**SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION**

**WELLS G&H SUPERFUND SITE OU3**

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| 09 | 2 | river | SD-09-01-FW | 8/22/1995 | 1 ft water | |
| | | | SD-09-02-FW | 8/22/1995 | not provided | |
| | | | SD-09-03-FW | 8/22/1995 | 0.5 ft water | |
| | | | SD-09-04-FW | 8/22/1995 | 1 ft water | |
| | | | SD-09-05-FW | 8/22/1995 | 1 ft water | |
| | | | SD-09-06-FW | 8/22/1995 | 1.5 ft water | |
| | | | SD-09-07-FW | 8/22/1995 | 2 ft water | |
| | | | SD-09-08-FW | 8/22/1995 | 2 ft water | |
| | | | SD-09-09-FW | 8/22/1995 | 0.5 ft water | |
| | | | SD-09-10-FW | 8/22/1995 | 0.5 ft water | |
| 10 | 1 | river | SD-10-01-FW | 8/23/1995 | 2 ft water | |
| | | | SD-10-01-ME | 11/19/1997 | 2 ft water | |
| | | | SD-10-02-FW | 8/23/1995 | not provided | |
| | | | SD-10-02-ME | 11/19/1997 | 2 ft water | |
| | | | SD-10-02-TR | 6/22/2001 | 1.4 ft water | |
| | | | SD-10-03-FW | 8/23/1995 | 1.5 ft water | |
| 11 | 1 | river | SD-11-01-ME | 11/14/1997 | 1 ft water | |
| | | | SD-11-01-FW | 8/24/1995 | 2 ft water | |
| | | | SD-11-02-FW | 8/24/1995 | 2 - 2.5 ft water | |
| | | | SD-11-03-FW | 8/24/1995 | 2 - 2.5 ft water | |
| 12 | 1 | river | SD-12-01-FW | 8/31/1995 | 1 ft water | |
| | | | SD-12-01-ME | 11/20/1997 | 1 ft water | wetland habitat |
| | | | SD-12-02-FW | 8/31/1995 | not provided | |
| | | | SD-12-03-FW | 8/31/1995 | 0.5 ft water | |
| | | | SD-12-03-ME | 11/20/1997 | 5 ft water | |
| | | | SD-12-03-TR | 6/19/2001 | 4.5 ft water | |
| 13 | 1 | wetland | SD-13-01-FW | 9/1/1995 | 0.3 ft water | sample date 9/6/95 in database |
| | | | SD-13-01-ME | 11/17/1997 | 2 ft water | |
| | | | SD-13-01-TR | 6/22/2001 | 0.3 ft water | |
| | | | SD-13-02-FW | 9/1/1995 | 0.3 ft water | sample date 9/6/95 in database |
| | | | SD-13-03-FW | 9/1/1995 | no standing water | sample date 9/6/95 in database |
| | | | SD-13-03-ME | 11/17/1997 | 2 ft water | |
| 14 | 1 | river | SD-14-01-FW | 9/5/1995 | 1 ft water | |
| | | | SD-14-02-FW | 9/5/1995 | 1 ft water | |
| | | | SD-14-03-FW | 9/5/1995 | 1.5 ft water | |
| 15 | 1 | wetland | SD-15-01-FW | 9/5/1995 | 0.5 ft water | |
| | | | SD-15-01-ME | 11/17/1997 | 2.5 ft water | |
| | | | SD-15-02-FW | 9/5/1995 | 0.5 ft water | |
| | | | SD-15-03-FW | 9/5/1995 | 0.5 ft water | |
| 16 | 2 | river | SD-16-01-FW | 8/29/1995 | not provided | |
| | | | SD-16-02-FW | 8/23/1995 | 1 ft water | |
| | | | SD-16-03-FW | 8/23/1995 | 1.5 ft water | |
| 18 | 1 | river | SD-18-01-FW | 8/29/1995 | not provided | |
| | | | SD-18-02-FW | 9/7/1995 | 0.2 ft water | |
| | | | SD-18-02-ME | 11/18/1997 | 0.5 ft water | |
| | | | SD-18-02-TR | 6/21/2001 | 1.1 ft water | |
| | | | SD-18-03-FW | 9/7/1995 | 0.4 ft water | |
| | | | SD-18-03-ME | 11/18/1997 | 0.3 ft water | |
| 19 | 1 | wetland | SD-19-01-FW | 8/31/1995 | no standing water | |
| | | | SD-19-01-ME | 11/19/1997 | 0.3 ft water | |
| | | | SD-19-01-TR | 6/19/2001 | 0.8 ft water | |
| | | | SD-19-02-FW | 8/31/1995 | no standing water | |
| | | | SD-19-03-FW | 8/31/1995 | no standing water | |
| 20 | 1 | wetland | SD-20-01-FW | 9/7/1995 | no standing water | |
| | | | SD-20-01-ME | 11/17/1997 | 2 ft water | |
| | | | SD-20-02-FW | 9/7/1995 | no standing water | |
| | | | SD-20-03-FW | 9/7/1995 | no standing water | |
| 21 | 1 | wetland | SD-21-01-FW | 9/8/1995 | no standing water | |
| | | | SD-21-01-ME | 11/14/1997 | 1 ft water | |
| | | | SD-21-02-FW | 9/8/1995 | no standing water | |
| | | | SD-21-03-FW | 9/8/1995 | no standing water | |

**TABLE 2-2**
**SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION**

**WELLS G&H SUPERFUND SITE OU3**

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| 22/TT-22 | 1 | wetland | SD-22-01-FW | 9/8/1995 | no standing water | |
| | | | SD-22-01-TR | 6/18/2001 | 0.2 ft water | |
| | | | SD-22-02-FW | 9/8/1995 | no standing water | |
| | | | SD-22-02-ME | 11/12/1997 | no standing water | |
| | | | SD-22-03-FW | 9/8/1995 | no standing water | |
| | | | SD-TT-22-01 | 2/7/2001 | 0.5 ft water | |
| | | | SD-TT-22-02 | 2/7/2001 | 0.5 ft water | |
| | | | SD-TT-22-03 | 2/7/2001 | 1 ft water | |
| AM | 2 | river | SD-AM-01 | 7/10/2000 | 1 ft water | |
| AS | 3 | river | SD-AS-01 | 7/10/2000 | 1 ft water | |
| | | | SD-AS-02 | 7/10/2000 | 1.5 ft water | |
| BW | 1 | wetland | SD-BW-01 | 7/17/2002 | no standing water | |
| | | | SD-BW-02 | 7/17/2002 | no standing water | |
| | | | SD-BW-03 | 7/17/2002 | no standing water | |
| | | | SD-BW-04 | 7/17/2002 | no standing water | |
| | | | SD-BW-05 | 7/17/2002 | no standing water | |
| CB-01 | 2 | wetland | SD-CB-01-01 | 2/9/2001 | 6" water over sed | |
| | | | SD-CB-01-02 | 2/9/2001 | 6" water over sed | |
| | | | SD-CB-01-03 | 2/9/2001 | 3" water over sed | |
| | | | SD-CB-01-04 | 2/9/2001 | 3" water over sed | |
| | | | SD-CB-01-05 | 2/9/2001 | 4" water & 4" ice | |
| | | | SD-CB-01-06 | 2/9/2001 | 2" snow over sed | |
| | | | SD-CB-01-07 | 2/9/2001 | 6" water | |
| | | | SD-CB-01-08 | 2/9/2001 | 8" ice over sed | |
| | | | SD-CB-01-09 | 2/9/2001 | 6" water | |
| | | | SD-CB-01-10 | 2/9/2001 | 3" water | |
| CB-02 | 2 | wetland | SD-CB-02-01 | 2/8/2001 | 6" water | |
| | | | SD-CB-02-02 | 2/8/2001 | 6" water, thin ice over water | |
| | | | SD-CB-02-03 | 2/8/2001 | 6" water | |
| | | | SD-CB-02-04 | 2/8/2001 | not provided, but near CB-02-05 | |
| | | | SD-CB-02-05 | 2/8/2001 | 6" water, thin ice over water | |
| | | | SD-CB-02-06 | 2/8/2001 | 4" water, 4" ice over water | |
| | | | SD-CB-02-07 | 2/8/2001 | 6" water, 4" ice over water | |
| | | | SD-CB-02-08 | 2/8/2001 | 6" water, 5" ice over water | |
| | | | SD-CB-02-09 | 2/8/2001 | 6" water, 5" ice over water | |
| | | | SD-CB-02-10 | 2/8/2001 | 6" water, 8" ice over water | |
| CB-03 | 2 | wetland | SD-CB-03-01 | 2/9/2001 | 2" water, 6" snow over water | |
| | | | SD-CB-03-02 | 2/9/2001 | 1 ft snow over sed | |
| | | | SD-CB-03-03 | 2/9/2001 | 1 ft 2" ice & snow over sed | |
| | | | SD-CB-03-04 | 2/8/2001 | 1 ft ice & snow over sed | |
| | | | SD-CB-03-05 | 2/8/2001 | 8" ice & snow over sed | |
| | | | SD-CB-03-06 | 2/8/2001 | 3" ice & snow over sed | |
| | | | SD-CB-03-07 | 2/8/2001 | 8" ice over sed | |
| | | | SD-CB-03-08 | 2/8/2001 | 3" water, 3" snow & ice over water | |
| | | | SD-CB-03-09 | 2/8/2001 | 6" water | |
| | | | SD-CB-03-10 | 2/8/2001 | not provided, but near CB-03-09 | |
| | | | SD-CB-03-11 | 2/8/2001 | 4" water | |
| | | | SD-CB-03-12 | 2/8/2001 | 8" ice & snow over sed | |
| CB-04 | 2 | wetland | SD-CB-04-01 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-04-02 | 7/11/2002 | no standing water | |
| | | | SD-CB-04-03 | 7/11/2002 | no standing water | |
| | | | SD-CB-04-04 | 7/11/2002 | no standing water | |
| | | | SD-CB-04-05 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-04-06 | 7/11/2002 | no standing water | |
| | | | SD-CB-04-07 | 7/11/2002 | no standing water | |
| | | | SD-CB-04-08 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-04-09 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-04-10 | 7/11/2002 | less than 1 ft water | |

TABLE 2-2
SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION

WELLS G&H SUPERFUND SITE OU3

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| CB-05 | 2 | river | SO-CB-05-01 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-02 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-03 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-04 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-05 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-06 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-07 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-08 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-09 | 7/11/2002 | NA (soil sample) | |
| | | | SO-CB-05-10 | 7/11/2002 | NA (soil sample) | |
| CB-06 | 2 | wetland | SD-CB-06-01 | 7/11/2002 | less than 0.5 ft water | |
| | | | SD-CB-06-02 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-06-03 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-06-04 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-06-05 | 7/11/2002 | no standing water | |
| | | | SD-CB-06-06 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-06-07 | 7/11/2002 | less than 0.5 ft water | |
| | | | SD-CB-06-08 | 7/11/2002 | less than 1 ft water | |
| | | | SD-CB-06-09 | 7/11/2002 | less than 0.5 ft water | |
| | | | SD-CB-06-10 | 7/11/2002 | no standing water | |
| CB-07 | 2 | wetland | SD-CB-07-01 | 7/11/2002 | no standing water | |
| | | | SD-CB-07-02 | 7/11/2002 | no standing water | |
| | | | SD-CB-07-03 | 7/11/2002 | no standing water | |
| | | | SD-CB-07-04 | 7/11/2002 | no standing water | |
| | | | SD-CB-07-05 | 7/11/2002 | no standing water | |
| | | | SD-CB-07-06 | 7/11/2002 | no standing water | |
| DA | 2 | river | SO-DA-01 | 7/11/2002 | NA (soil sample) | |
| | | | SO-DA-02 | 7/11/2002 | NA (soil sample) | |
| | | | SO-DA-03 | 7/11/2002 | NA (soil sample) | |
| | | | SO-DA-04 | 7/11/2002 | NA (soil sample) | |
| | | | SO-DA-05 | 7/11/2002 | NA (soil sample) | |
| DP | 3 | lake | SO-DP-01 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-02 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-03 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-04 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-05 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-06 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-07 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-08 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-09 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-10 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-11 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-12 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-13 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-14 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-15 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-16 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-17 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-18 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-19 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-20 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-21 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-22 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-23 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-24 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-25 | 7/11/2000 | NA (soil sample) | |
| | | | SO-DP-26 | 7/11/2000 | NA (soil sample) | |
| NRSE | 1 | wetland | SD-NR-01 | 9/4/2002 | 1" water | |
| | | | SD-NR-02 | 9/4/2002 | 1" water | |
| | | | SD-NR-03 | 9/4/2002 | no standing water | |
| | | | SD-NR-04 | 9/4/2002 | no standing water | |
| | | | SD-NR-05 | 9/4/2002 | 1" water | |

TABLE 2-2
SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION

WELLS G&H SUPERFUND SITE OU3

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| JY | 1 | wetland | SD-JY-06 | 7/18/2002 | no standing water | |
| | | | SD-JY-07 | 7/18/2002 | no standing water | |
| | | | SD-JY-08 | 7/18/2002 | no standing water | |
| | | | SD-JY-09 | 7/18/2002 | no standing water | |
| | | | SD-JY-10 | 7/18/2002 | no standing water | |
| | | | SD-JY-11 | 7/18/2002 | no standing water | |
| | | | SD-JY-12 | 7/18/2002 | no standing water | |
| | | | SD-JY-13 | 7/18/2002 | no standing water | |
| | | | SD-JY-14 | 7/18/2002 | no standing water | |
| | | | SD-JY-15 | 7/18/2002 | no standing water | |
| KFSE | 2 | river | SD-KF-01 | 9/4/2002 | 4" water | |
| | | | SD-KF-02 | 9/4/2002 | 4" water | |
| | | | SD-KF-03 | 9/4/2002 | 4" water | |
| | | | SD-KF-04 | 9/4/2002 | 2" water | |
| | | | SD-KF-05 | 9/4/2002 | 4" water | |
| | | | SD-KF-06 | 9/4/2002 | 6" water | |
| | | | SD-KF-07 | 9/4/2002 | no standing water | |
| | | | SD-KF-08 | 9/4/2002 | 2.5 " water | |
| | | | SD-KF-09 | 9/4/2002 | 9" water | |
| | | | SD-KF-10 | 9/4/2002 | 4" water | |
| KFSO | 2 | river | SO-KF-01 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-02 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-03 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-04 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-05 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-06 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-07 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-08 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-09 | 9/4/2002 | NA (soil sample) | |
| | | | SO-KF-10 | 9/4/2002 | NA (soil sample) | |
| LF | 6 | lake | SD-LF-01 | 7/17/2000 | 5.2 ft water | |
| | | | SD-LF-02 | 7/17/2000 | 6.8 ft water | |
| LM | 6 | lake | SD-LM-01 | 7/17/2000 | 75 ft water | |
| | | | SD-LM-02 | 7/17/2000 | 37 ft water | |
| | | | SD-LM-03 | 7/17/2000 | 52 ft water | |
| LP | 3 | river | SD-LP-01 | 7/12/2002 | 1.5 ft water | |
| | | | SD-LP-02 | 7/12/2002 | 1 ft water | |
| | | | SD-LP-03 | 7/12/2002 | 1.5 ft water | |
| | | | SD-LP-04 | 7/12/2002 | 1 ft water | |
| | | | SD-LP-05 | 7/12/2002 | 2 ft water | |
| | | | SD-LP-06 | 7/12/2002 | 1 ft water | |
| | | | SD-LP-07 | 7/12/2002 | 1.5 ft water | |
| | | | SD-LP-08 | 7/12/2002 | 2 ft water | |
| | | | SD-LP-09 | 7/12/2002 | no standing water | Location under water day prior to sampling |
| | | | SD-LP-10 | 7/12/2002 | 4" water | |
| | | | SD-LP-11 | 9/13/2002 | 1" water | |
| | | | SD-LP-12 | 9/13/2002 | no standing water | |
| | | | SD-LP-13 | 9/13/2002 | no standing water | |
| | | | SD-LP-14 | 9/13/2002 | no standing water | |
| | | | SD-LP-15 | 9/13/2002 | no standing water | |
| MP | 4 | lake | SD-MP-01 | 7/10/2000 | 2.2 ft water | Water level artificially low due to dam release |
| | | | SD-MP-02 | 7/10/2000 | 2 ft water | Water level artificially low due to dam release |
| NRSO | 1 | river | SO-NR-16 | 9/4/2002 | NA (soil sample) | |
| | | | SO-NR-17 | 9/4/2002 | NA (soil sample) | |
| | | | SO-NR-18 | 9/4/2002 | NA (soil sample) | |
| | | | SO-NR-19 | 9/4/2002 | NA (soil sample) | |
| | | | SO-NR-20 | 9/4/2002 | NA (soil sample) | |
| WSS | 1 | river | SO-SS-01 | 7/12/2002 | NA (soil sample) | |
| | | | SO-SS-02 | 7/12/2002 | NA (soil sample) | |
| | | | SO-SS-03 | 7/12/2002 | NA (soil sample) | |
| | | | SO-SS-04 | 7/12/2002 | NA (soil sample) | |
| | | | SO-SS-05 | 7/12/2002 | NA (soil sample) | |

**TABLE 2-2**
**SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION**

**WELLS G&H SUPERFUND SITE OU3**

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| TT-27 | 1 | wetland | SD-TT-27-01 | 2/6/2001 | 8" ice over sed, 1 ft snow over ice | |
| | | | SD-TT-27-02 | 2/6/2001 | 4" water, 6"snow &ice over water | |
| | | | SD-TT-27-03 | 2/6/2001 | 6" ice, 1 ft of snow over ice | |
| | | | SD-TT-27-04 | 2/7/2001 | 1 ft water | |
| TT-28 | 1 | river | SD-TT-28-01 | 2/7/2001 | 1 ft water | |
| | | | SD-TT-28-02 | 2/7/2001 | 1 ft water | |
| | | | SD-TT-28-03 | 2/7/2001 | 1 ft water | |
| TT-29 | 1 | river | SD-TT-29-01 | 2/12/2001 | 12-18" water, 6" ice over water | |
| | | | SD-TT-29-02 | 2/12/2001 | 12" water, 6" ice over water | |
| | | | SD-TT-29-03 | 2/12/2001 | 18" water, 6" ice over water | |
| | | | SD-TT-29-03-TR | 6/19/2001 | 1.0 ft water | |
| TT-30 | 2 | river | SD-TT-30-01 | 2/12/2001 | 6" water | |
| | | | SD-TT-30-01-TR | 6/22/2001 | 0.6 ft water | |
| | | | SD-TT-30-02 | 2/12/2001 | 6" water | |
| | | | SD-TT-30-03 | 2/12/2001 | 4" water, 2" ice over water | |
| TT-31 | 2 | wetland | SD-TT-31-01 | 2/12/2001 | 4" water | |
| | | | SD-TT-31-02 | 2/12/2001 | 6" water, 3" ice over water | |
| | | | SD-TT-31-03 | 2/12/2001 | 2" water, 4" ice over water | |
| TT-32 | 2 | river/ | SD-TT-32-01 | 2/9/2001 | 10" water | |
| | | wetland[1] | SD-TT-32-02 | 2/9/2001 | 6" water | |
| | | | SD-TT-32-02-TR | 6/20/2001 | 0.6 ft water | |
| | | | SD-TT-32-03 | 2/9/2001 | 4" water | |
| TT-33 | 2 | river/ | SD-TT-33-01 | 2/8/2001 | 4" water | |
| | | wetland[1] | SD-TT-33-02 | 2/8/2001 | 6" water | |
| | | | SD-TT-33-02-TR | 6/20/2001 | 0.5 ft water | |
| | | | SD-TT-33-03 | 2/8/2001 | 4" water | |
| UF | 6 | lake | SD-UF-01 | 7/18/2000 | 4.5 ft water | |
| | | | SD-UF-02 | 7/18/2000 | 5.6 ft water | |
| | | | SD-UF-02-TR | 6/27/2001 | 7.1 ft water | |
| | | | SD-UF-03 | 7/18/2000 | 3.7 ft water | |
| UM | 6 | lake | SD-UM-01 | 7/17/2000 | 85 ft water | |
| | | | SD-UM-02 | 7/17/2000 | 78 ft water | |
| | | | SD-UM-03 | 7/17/2000 | 52 ft water | |
| WG | 1 | wetland | SD-WG-01 | 7/13/2000 | 3" water | |
| | | | SD-WG-02 | 7/13/2000 | 2" water | |
| | | | SD-WG-03 | 7/13/2000 | no standing water | |
| | | | SD-WG-04 | 7/13/2000 | no standing water | |
| | | | SD-WG-05 | 7/13/2000 | 4" water | |
| | | | SD-WG-06 | 7/13/2000 | 4" water | |
| | | | SD-WG-07 | 7/13/2000 | 2" water | |
| | | | SD-WG-08 | 7/13/2000 | 2" water | |
| | | | SD-WG-09 | 7/13/2000 | no standing water | |
| | | | SD-WG-10 | 7/13/2000 | 2" water | |
| | | | SD-WG-11 | 7/13/2000 | no standing water | |
| | | | SD-WG-12 | 7/13/2000 | 2" water | |
| | | | SD-WG-13 | 7/13/2000 | 0" water | |
| | | | SD-WG-14 | 7/13/2000 | no standing water | |
| | | | SD-WG-15 | 7/13/2000 | 2" water | |
| | | | SD-WG-16 | 7/13/2000 | no standing water | |
| | | | SD-WG-17 | 7/13/2000 | no standing water | |
| | | | SD-WG-18 | 7/13/2000 | no standing water | |
| | | | SD-WG-19 | 7/13/2000 | no standing water | |
| | | | SD-WG-20 | 7/13/2000 | no standing water | |
| WH | 1 | wetland | SD-WH-01 | 7/12/2000 | 2" water | |
| | | | SD-WH-02 | 7/12/2000 | 4" water | |
| | | | SD-WH-03 | 7/12/2000 | 2" water | |
| | | | SD-WH-04 | 7/12/2000 | 3" water | |
| | | | SD-WH-05 | 7/12/2000 | 2" water | |
| | | | SD-WH-06 | 7/12/2000 | 2" water | |
| | | | SD-WH-07 | 7/12/2000 | 1" water | |
| | | | SD-WH-07-TR | 6/18/2001 | 1.2 ft water | |
| | | | SD-WH-08 | 7/12/2000 | 2" water | |
| | | | SD-WH-09 | 7/12/2000 | 3-4" water | |
| | | | SD-WH-10 | 7/12/2000 | 3" water | |

TABLE 2-2
SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION

WELLS G&H SUPERFUND SITE OU3

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| WS | 1 | river | SD-WS-01 | 7/11/2000 | 3" water | |
| | | | SD-WS-02 | 7/11/2000 | 2" water | |
| | | | SD-WS-03 | 7/11/2000 | 1" water | |
| | | | SD-WS-04 | 7/11/2000 | 2" water | |
| | | | SD-WS-05 | 7/11/2000 | 2" water | |
| | | | SD-WS-06 | 7/11/2000 | 2" water | |
| | | | SD-WS-07 | 7/11/2000 | 3" water | |
| | | | SD-WS-08 | 7/11/2000 | 2" water | |
| | | | SD-WS-09 | 7/11/2000 | 1" water | |
| | | | SD-WS-10 | 7/11/2000 | 2" water | |
| WW | 1 | wetland | SD-WW-01 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-02 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-03 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-04 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-05 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-06 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-06-TR | 6/21/2001 | 0.8 ft water | |
| | | | SD-WW-07 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-08 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-08-02 | 2/6/2001 | not provided | Cr VI, redox, sulfide, pH analyses only |
| | | | SD-WW-09 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-10 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-11 | 11/28/2000 | less than 1 ft water | |
| | | | SD-WW-12 | 11/28/2000 | less than 1 ft water | |
| AJRW | 5 | river | SD-AJRW-01 | 3/15/2004 | 3.5 ft water | |
| | | | SD-AJRW-02 | 3/15/2004 | 2.25 ft water | |
| | | | SD-AJRW-03 | 3/15/2004 | 3 ft water | |
| | | | SD-AJRW-04 | 3/15/2004 | 3.25 ft water | |
| | | | SD-AJRW-05 | 3/15/2004 | 3.75 ft water | |
| | | | SD-AJRW-06 | 3/15/2004 | 1.5 ft water | |
| | | | SD-AJRW-07 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-08 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-09 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-10 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-11 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-12 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-13 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-14 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-15 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-16 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-17 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-18 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-19 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-20 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-21 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-22 | 4/26/2004 | NA (soil sample) | |
| | | | SD-AJRW-23 | 4/26/2004 | no standing water | |
| | | | SO-AJRW-24 | 4/26/2004 | NA (soil sample) | |
| **REFERENCE SAMPLES** | | | | | | |
| 01-IP | | river | SD-MC-01 | 6/21/1999 | 0.3 ft water | |
| | | | SD-MC-01-TR | 6/25/2001 | 0.3 ft water | |
| 02-IP | | pond | SD-MC-02 | 6/21/1999 | 2 ft. water | |
| 03-IP | | pond | SD-MC-03 | 6/18/1999 | 9.2 ft water | Depth questionable; sw sample at 9.18 ft in notes |
| | | | SD-MC-03-TR | 6/25/2001 | 13 ft water | |
| 04-IP | | river | SD-MC-04 | 6/17/1999 | not provided | |
| | | | SD-MC-04-TR | 6/26/2001 | 0.4 ft water | |
| 12-IP | | river | SD-MC-12 | 6/17/1999 | 0.02 ft water | |
| 23 | | river | SD-23-01-FW | 8/30/1995 | not provided | |
| | | | SD-23-02-FW | 8/30/1995 | 1.5 ft water | |
| | | | SD-23-03-FW | 8/30/1995 | 1 ft water | |

**TABLE 2-2**
**SEDIMENT AND SOIL SAMPLE-SPECIFIC INFORMATION**

**WELLS G&H SUPERFUND SITE OU3**

| Station | Reach | Habitat | Sample ID | Date Sampled | Standing Water above Sample | Notes |
|---|---|---|---|---|---|---|
| 24 | | wetland | SD-24-01-FW | 8/30/1995 | 0.7 ft water | |
| | | | SD-24-02-FW | 8/30/1995 | 1 ft water | |
| | | | SD-24-03-FW | 8/30/1995 | not provided | |
| | | | SD-24-03-ME | 11/12/1997 | 1 ft water | |
| 25 | | lake | SD-25-01-FW | 9/11/1995 | 3.5 ft water | |
| | | | SD-25-02-FW | 9/11/1995 | 4 ft water | |
| | | | SD-25-02-ME | 11/18/1997 | not provided | |
| | | | SD-25-03-FW | 9/11/1995 | 3 ft water | |
| 26 | | lake | SD-26-01-FW | 9/11/1995 | 3 ft water | |
| | | | SD-26-02-FW | 9/11/1995 | 2.5 ft water | |
| | | | SD-26-03-FW | 9/11/1995 | 2.5 ft water | |
| 27 | | river | SD-27-01-FW | 9/12/1995 | 2.5 ft water | |
| | | | SD-27-02-FW | 9/12/1995 | 1.5 ft water | |
| | | | SD-27-03-FW | 9/12/1995 | 1.5 ft water | |
| HB | | wetland | SD-HB-00-TR | 6/26/2001 | 0.8 ft water | |
| SA | | wetland | SD-SA-01-TR | 6/25/2001 | 0.7 ft water | |

NA - Not Applicable

[1] Primary TT-32 and TT-33 samples were collected along the stream channel, while the TR samples were collected in the wetland vegetation adjacent to the main channel

**TABLE 2-3**
**SURFACE WATER DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 3 | 1.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-3**
**SURFACE WATER DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-3**
**SURFACE WATER DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 1 | 23.5 | 12 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 2.9 | | 2.9 | | SW-23-01 | 1 / 1 | N/A | 2.9 |
| Barium | 20.3 | | 20.3 | | SW-23-01 | 1 / 1 | N/A | 20 |
| Beryllium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 24300 | | 24300 | | SW-23-01 | 1 / 1 | N/A | 24300 |
| Chromium | 0.47 | | 0.47 | | SW-23-01 | 1 / 1 | N/A | 0.47 |
| Cobalt | | | | | | 0 / 1 | 0.5 | 0.25 |
| Copper | | | | | | 0 / 1 | 0.35 | 0.18 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1470 | | 1470 | | SW-23-01 | 1 / 1 | N/A | 1470 |
| Lead | | | | | | 0 / 1 | 0.75 | 0.38 |
| Magnesium | 5150 | | 5150 | | SW-23-01 | 1 / 1 | N/A | 5150 |
| Manganese | 780 | | 780 | | SW-23-01 | 1 / 1 | N/A | 780 |
| Mercury | 0.11 | | 0.11 | | SW-23-01 | 1 / 1 | N/A | 0.11 |
| Nickel | 0.66 | | 0.66 | | SW-23-01 | 1 / 1 | N/A | 0.66 |
| Potassium | 4920 | | 4920 | | SW-23-01 | 1 / 1 | N/A | 4920 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 48800 | | 48800 | | SW-23-01 | 1 / 1 | N/A | 48800 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 0.89 | | 0.89 | | SW-23-01 | 1 / 1 | N/A | 0.89 |
| Zinc | 2.2 | J | 2.2 | J | SW-23-01 | 1 / 1 | N/A | 2.2 |
| Total Suspended Solids (mg/L) | 5.9 | | 5.9 | | SW-23-01 | 1 / 1 | N/A | 5.9 |
| Dissolved Organic Carbon (mg/L) | 8.2 | | 8.2 | | SW-23-01 | 1 / 1 | N/A | 8.2 |
| Total Dissolved Solids (mg/L) | 292 | | 292 | | SW-23-01 | 1 / 1 | N/A | 292 |
| Alkalinity (as CaCO3) (mg/L) | 52 | | 52 | | SW-23-01 | 1 / 1 | N/A | 52 |
| Chloride (mg/L) | 88.6 | | 88.6 | | SW-23-01 | 1 / 1 | N/A | 89 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.08 | | 0.08 | | SW-23-01 | 1 / 1 | N/A | 0.080 |
| Sulfate (mg/L) | 18 | | 18 | | SW-23-01 | 1 / 1 | N/A | 18 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-4**
**SURFACE WATER DATA SUMMARY - STATION 24**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 4 | 2.0 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-4**
**SURFACE WATER DATA SUMMARY - STATION 24**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-4**
**SURFACE WATER DATA SUMMARY - STATION 24**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | 0.0017 | J | 0.0017 | J | SW-24-01 | 1 / 1 | N/A | 0.0017 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 142 | | 142 | | SW-24-01 | 1 / 1 | N/A | 142 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 3.2 | | 3.2 | | SW-24-01 | 1 / 1 | N/A | 3.2 |
| Barium | 45.1 | | 45.1 | | SW-24-01 | 1 / 1 | N/A | 45 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 37000 | | 37000 | | SW-24-01 | 1 / 1 | N/A | 37000 |
| Chromium | 0.88 | | 0.88 | | SW-24-01 | 1 / 1 | N/A | 0.88 |
| Cobalt | | | | | | 0 / 1 | 0.5 | 0.25 |
| Copper | 3.9 | | 3.9 | | SW-24-01 | 1 / 1 | N/A | 3.9 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 2780 | | 2780 | | SW-24-01 | 1 / 1 | N/A | 2780 |
| Lead | 6.3 | | 6.3 | | SW-24-01 | 1 / 1 | N/A | 6.3 |
| Magnesium | 5950 | | 5950 | | SW-24-01 | 1 / 1 | N/A | 5950 |
| Manganese | 520 | | 520 | | SW-24-01 | 1 / 1 | N/A | 520 |
| Mercury | 0.13 | | 0.13 | | SW-24-01 | 1 / 1 | N/A | 0.13 |
| Nickel | 1.8 | | 1.8 | | SW-24-01 | 1 / 1 | N/A | 1.8 |
| Potassium | 6260 | | 6260 | | SW-24-01 | 1 / 1 | N/A | 6260 |
| Selenium | | | | | | 0 / 1 | 1.9 | 0.95 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 69100 | | 69100 | | SW-24-01 | 1 / 1 | N/A | 69100 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | | | | | | 0 / 1 | 0.55 | 0.28 |
| Zinc | 16.1 | J | 16.1 | J | SW-24-01 | 1 / 1 | N/A | 16 |
| Total Suspended Solids (mg/L) | 28 | | 28 | | SW-24-01 | 1 / 1 | N/A | 28 |
| Dissolved Organic Carbon (mg/L) | 7.8 | | 7.8 | | SW-24-01 | 1 / 1 | N/A | 7.8 |
| Total Dissolved Solids (mg/L) | 398 | | 398 | | SW-24-01 | 1 / 1 | N/A | 398 |
| Alkalinity (as CaCO3) (mg/L) | 53 | | 53 | | SW-24-01 | 1 / 1 | N/A | 53 |
| Chloride (mg/L) | 114 | | 114 | | SW-24-01 | 1 / 1 | N/A | 114 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.12 | | 0.12 | | SW-24-01 | 1 / 1 | N/A | 0.12 |
| Sulfate (mg/L) | 73 | | 73 | | SW-24-01 | 1 / 1 | N/A | 73 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-5**
**SURFACE WATER DATA SUMMARY - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-5**
**SURFACE WATER DATA SUMMARY - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-5**
**SURFACE WATER DATA SUMMARY - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 47.15 | | 47.15 | | SW-25-01 | 1 / 1 | N/A | 47 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | | | | | | 0 / 1 | 1.4 | 0.70 |
| Barium | 24.55 | | 24.55 | | SW-25-01 | 1 / 1 | N/A | 25 |
| Beryllium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 23350 | | 23350 | | SW-25-01 | 1 / 1 | N/A | 23350 |
| Chromium | | | | | | 0 / 1 | 0.25 | 0.13 |
| Cobalt | | | | | | 0 / 1 | 0.5 | 0.25 |
| Copper | 1 | | 1 | | SW-25-01 | 1 / 1 | N/A | 1.0 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 118 | | 118 | | SW-25-01 | 1 / 1 | N/A | 118 |
| Lead | 0.665 | J | 0.665 | J | SW-25-01 | 1 / 1 | N/A | 0.67 |
| Magnesium | 3825 | | 3825 | | SW-25-01 | 1 / 1 | N/A | 3825 |
| Manganese | 46.4 | | 46.4 | | SW-25-01 | 1 / 1 | N/A | 46 |
| Mercury | 0.115 | | 0.115 | | SW-25-01 | 1 / 1 | N/A | 0.12 |
| Nickel | 0.78 | | 0.78 | | SW-25-01 | 1 / 1 | N/A | 0.78 |
| Potassium | 4230 | | 4230 | | SW-25-01 | 1 / 1 | N/A | 4230 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 47100 | | 47100 | | SW-25-01 | 1 / 1 | N/A | 47100 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 0.85 | | 0.85 | | SW-25-01 | 1 / 1 | N/A | 0.85 |
| Zinc | 1.375 | J | 1.375 | J | SW-25-01 | 1 / 1 | N/A | 1.4 |
| Total Suspended Solids (mg/L) | 3.65 | | 3.65 | | SW-25-01 | 1 / 1 | N/A | 3.7 |
| Dissolved Organic Carbon (mg/L) | 5.35 | | 5.35 | | SW-25-01 | 1 / 1 | N/A | 5.4 |
| Total Dissolved Solids (mg/L) | 205 | | 205 | | SW-25-01 | 1 / 1 | N/A | 205 |
| Alkalinity (as CaCO3) (mg/L) | 43.5 | | 43.5 | | SW-25-01 | 1 / 1 | N/A | 44 |
| Chloride (mg/L) | 80.55 | | 80.55 | | SW-25-01 | 1 / 1 | N/A | 81 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.015 | | 0.015 | | SW-25-01 | 1 / 1 | N/A | 0.015 |
| Sulfate (mg/L) | 23 | | 23 | | SW-25-01 | 1 / 1 | N/A | 23 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-6**
**SURFACE WATER DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-6**
**SURFACE WATER DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/l | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-6**
**SURFACE WATER DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 1 | 29.2 | 15 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | | | | | | 0 / 1 | 1 | 0.50 |
| Barium | 40.5 | | 40.5 | | SW-26-01 | 1 / 1 | N/A | 41 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 17700 | | 17700 | | SW-26-01 | 1 / 1 | N/A | 17700 |
| Chromium | | | | | | 0 / 1 | 0.25 | 0.13 |
| Cobalt | | | | | | 0 / 1 | 0.5 | 0.25 |
| Copper | 1.4 | | 1.4 | | SW-26-01 | 1 / 1 | N/A | 1.4 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 221 | | 221 | | SW-26-01 | 1 / 1 | N/A | 221 |
| Lead | | | | | | 0 / 1 | 0.75 | 0.38 |
| Magnesium | 2050 | | 2050 | | SW-26-01 | 1 / 1 | N/A | 2050 |
| Manganese | 285 | | 285 | | SW-26-01 | 1 / 1 | N/A | 285 |
| Mercury | | | | | | 0 / 1 | 0.08 | 0.040 |
| Nickel | | | | | | 0 / 1 | 0.5 | 0.25 |
| Potassium | 1080 | | 1080 | | SW-26-01 | 1 / 1 | N/A | 1080 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 88300 | | 88300 | | SW-26-01 | 1 / 1 | N/A | 88300 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | | | | | | 0 / 1 | 0.55 | 0.28 |
| Zinc | 2.7 | J | 2.7 | J | SW-26-01 | 1 / 1 | N/A | 2.7 |
| Total Suspended Solids (mg/L) | 1.8 | | 1.8 | | SW-26-01 | 1 / 1 | N/A | 1.8 |
| Dissolved Organic Carbon (mg/L) | 4.6 | | 4.6 | | SW-26-01 | 1 / 1 | N/A | 4.6 |
| Total Dissolved Solids (mg/L) | 302 | | 302 | | SW-26-01 | 1 / 1 | N/A | 302 |
| Alkalinity (as CaCO3) (mg/L) | 21 | | 21 | | SW-26-01 | 1 / 1 | N/A | 21 |
| Chloride (mg/L) | 166 | | 166 | | SW-26-01 | 1 / 1 | N/A | 166 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.01 | | 0.01 | | SW-26-01 | 1 / 1 | N/A | 0.010 |
| Sulfate (mg/L) | 10 | | 10 | | SW-26-01 | 1 / 1 | N/A | 10 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-7**
**SURFACE WATER DATA SUMMARY - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-7**
**SURFACE WATER DATA SUMMARY - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-7**
**SURFACE WATER DATA SUMMARY - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 21.3 | | 21.3 | | SW-27-01 | 1 / 1 | N/A | 21 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | | | | | | 0 / 1 | 1.7 | 0.85 |
| Barium | 15.4 | | 15.4 | | SW-27-01 | 1 / 1 | N/A | 15 |
| Beryllium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 19700 | | 19700 | | SW-27-01 | 1 / 1 | N/A | 19700 |
| Chromium | 0.34 | | 0.34 | | SW-27-01 | 1 / 1 | N/A | 0.34 |
| Cobalt | | | | | | 0 / 1 | 0.5 | 0.25 |
| Copper | 0.45 | | 0.45 | | SW-27-01 | 1 / 1 | N/A | 0.45 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 251 | | 251 | | SW-27-01 | 1 / 1 | N/A | 251 |
| Lead | | | | | | 0 / 1 | 0.75 | 0.38 |
| Magnesium | 4280 | | 4280 | | SW-27-01 | 1 / 1 | N/A | 4280 |
| Manganese | 47.5 | | 47.5 | | SW-27-01 | 1 / 1 | N/A | 48 |
| Mercury | 0.097 | | 0.097 | | SW-27-01 | 1 / 1 | N/A | 0.097 |
| Nickel | 0.75 | | 0.75 | | SW-27-01 | 1 / 1 | N/A | 0.75 |
| Potassium | 4100 | | 4100 | | SW-27-01 | 1 / 1 | N/A | 4100 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 42200 | | 42200 | | SW-27-01 | 1 / 1 | N/A | 42200 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | | | | | | 0 / 1 | 0.55 | 0.28 |
| Zinc | | | | | | 0 / 1 | 1.6 | 0.80 |
| Total Suspended Solids (mg/L) | 1 | | 1 | | SW-27-01 | 1 / 1 | N/A | 1.0 |
| Dissolved Organic Carbon (mg/L) | 4.6 | | 4.6 | | SW-27-01 | 1 / 1 | N/A | 4.6 |
| Total Dissolved Solids (mg/L) | 208 | | 208 | | SW-27-01 | 1 / 1 | N/A | 208 |
| Alkalinity (as CaCO3) (mg/L) | 38 | | 38 | | SW-27-01 | 1 / 1 | N/A | 38 |
| Chloride (mg/L) | 75.4 | | 75.4 | | SW-27-01 | 1 / 1 | N/A | 75 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.38 | | 0.38 | | SW-27-01 | 1 / 1 | N/A | 0.38 |
| Sulfate (mg/L) | 21 | | 21 | | SW-27-01 | 1 / 1 | N/A | 21 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-8**
**SURFACE WATER DATA SUMMARY - STATION SW-01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 1 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 2 | 1.0 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 1 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon disulfide | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon tetrachloride | | | | | | 0 / 1 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 1 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Methylene chloride | | | | | | 0 / 1 | 5 | 2.5 |
| o-Xylene | | | | | | 0 / 1 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 1 | 4 | 2.0 |
| Styrene | | | | | | 0 / 1 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Toluene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Vinyl Chloride | | | | | | 0 / 1 | 2 | 1.0 |

**TABLE 2-8**
**SURFACE WATER DATA SUMMARY - STATION SW-01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 13 | 6.5 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 13 | 6.5 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 13 | 6.5 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 13 | 6.5 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 13 | 6.5 |
| 4-Nitrophenol | | | | | | 0 / 1 | 13 | 6.5 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Carbazole | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 13 | 6.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| n-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 13 | 6.5 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-8**
**SURFACE WATER DATA SUMMARY - STATION SW-01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Aldrin | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| alpha-BHC | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Aroclor 1016 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1221 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1232 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1242 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1248 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1254 | | | | | | 0 / 1 | 0.045 | 0.023 |
| Aroclor 1260 | | | | | | 0 / 1 | 0.045 | 0.023 |
| beta-BHC | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Delta-BHC | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Dieldrin | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endosulfan I | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endosulfan II | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endrin | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Endrin Ketone | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Heptachlor | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.0091 | 0.0046 |
| Methoxychlor | | | | | | 0 / 1 | 0.045 | 0.023 |
| Toxaphene | | | | | | 0 / 1 | 0.091 | 0.046 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 2500 | | 2500 | | SW-MC-01 | 1 / 1 | N/A | 2500 |
| Antimony | | | | | | 0 / 1 | 18.3 | 9.2 |
| Arsenic | 15.7 | J | 15.7 | J | SW-MC-01 | 1 / 1 | N/A | 16 |
| Barium | 64 | | 64 | | SW-MC-01 | 1 / 1 | N/A | 64 |
| Beryllium | | | | | | 0 / 1 | 0.22 | 0.11 |
| Cadmium | | | | | | 0 / 1 | 0.78 | 0.39 |
| Calcium | 32900 | | 32900 | | SW-MC-01 | 1 / 1 | N/A | 32900 |
| Chromium | | | | | | 0 / 1 | 9 | 4.5 |
| Cobalt | 7.1 | J | 7.1 | J | SW-MC-01 | 1 / 1 | N/A | 7.1 |
| Copper | 13.8 | | 13.8 | | SW-MC-01 | 1 / 1 | N/A | 14 |
| Iron | 15800 | | 15800 | | SW-MC-01 | 1 / 1 | N/A | 15800 |
| Lead | 51.4 | | 51.4 | | SW-MC-01 | 1 / 1 | N/A | 51 |
| Magnesium | 5600 | | 5600 | | SW-MC-01 | 1 / 1 | N/A | 5600 |
| Manganese | 1960 | | 1960 | | SW-MC-01 | 1 / 1 | N/A | 1960 |
| Mercury | | | | | | 0 / 1 | 0.087 | 0.044 |
| Nickel | 6.5 | J | 6.5 | J | SW-MC-01 | 1 / 1 | N/A | 6.5 |
| Selenium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Silver | | | | | | 0 / 1 | 0.78 | 0.39 |
| Thallium | | | | | | 0 / 1 | 1.2 | 0.60 |
| Vanadium | 12 | J | 12 | J | SW-MC-01 | 1 / 1 | N/A | 12 |
| Zinc | 71.7 | | 71.7 | | SW-MC-01 | 1 / 1 | N/A | 72 |
| Total Organic Carbon (mg/L) | 10.3 | | 10.3 | | SW-MC-01 | 1 / 1 | N/A | 10 |
| Total Suspended Solids (mg/L) | 64 | | 64 | | SW-MC-01 | 1 / 1 | N/A | 64 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-9**
**SURFACE WATER DATA SUMMARY - STATION SW-02-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 1 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 2 | 1.0 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 1 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon disulfide | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon tetrachloride | | | | | | 0 / 1 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 1 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Methylene chloride | | | | | | 0 / 1 | 5 | 2.5 |
| o-Xylene | | | | | | 0 / 1 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 1 | 4 | 2.0 |
| Styrene | | | | | | 0 / 1 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Toluene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Vinyl chloride | | | | | | 0 / 1 | 2 | 1.0 |

**TABLE 2-9**
**SURFACE WATER DATA SUMMARY - STATION SW-02-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 13 | 6.5 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 13 | 6.5 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 13 | 6.5 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 13 | 6.5 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 13 | 6.5 |
| 4-Nitrophenol | | | | | | 0 / 1 | 13 | 6.5 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Carbazole | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 13 | 6.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| n-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 13 | 6.5 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-9**
**SURFACE WATER DATA SUMMARY - STATION SW-02-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Aldrin | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| alpha-BHC | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Aroclor 1016 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1221 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1232 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1242 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1248 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1254 | | | | | | 0 / 1 | 0.046 | 0.023 |
| Aroclor 1260 | | | | | | 0 / 1 | 0.046 | 0.023 |
| beta-BHC | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Delta-BHC | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Dieldrin | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endosulfan I | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endosulfan II | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endrin | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Endrin Ketone | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Heptachlor | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.0092 | 0.0046 |
| Methoxychlor | | | | | | 0 / 1 | 0.046 | 0.023 |
| Toxaphene | | | | | | 0 / 1 | 0.092 | 0.046 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 121 | | 121 | | SW-MC-02 | 1 / 1 | N/A | 121 |
| Antimony | | | | | | 0 / 1 | 18.3 | 9.2 |
| Arsenic | 1.15 | J | 1.15 | J | SW-MC-02 | 1 / 1 | N/A | 1.2 |
| Barium | 22.55 | | 22.55 | | SW-MC-02 | 1 / 1 | N/A | 23 |
| Beryllium | | | | | | 0 / 1 | 0.22 | 0.11 |
| Cadmium | | | | | | 0 / 1 | 0.78 | 0.39 |
| Calcium | 33500 | | 33500 | | SW-MC-02 | 1 / 1 | N/A | 33500 |
| Chromium | | | | | | 0 / 1 | 9 | 4.5 |
| Cobalt | | | | | | 0 / 1 | 3 | 1.5 |
| Copper | | | | | | 0 / 1 | 1.4 | 0.70 |
| Iron | 3085 | | 3085 | | SW-MC-02 | 1 / 1 | N/A | 3085 |
| Lead | 1.15 | J | 1.15 | J | SW-MC-02 | 1 / 1 | N/A | 1.2 |
| Magnesium | 4305 | | 4305 | | SW-MC-02 | 1 / 1 | N/A | 4305 |
| Manganese | 277.5 | | 277.5 | | SW-MC-02 | 1 / 1 | N/A | 278 |
| Mercury | | | | | | 0 / 1 | 0.04 | 0.020 |
| Nickel | 1.15 | J | 1.15 | J | SW-MC-02 | 1 / 1 | N/A | 1.2 |
| Selenium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Silver | | | | | | 0 / 1 | 0.78 | 0.39 |
| Thallium | | | | | | 0 / 1 | 1.2 | 0.60 |
| Vanadium | 2.4 | J | 2.4 | J | SW-MC-02 | 1 / 1 | N/A | 2.4 |
| Zinc | | | | | | 0 / 1 | 3.9 | 2.0 |
| Total Organic Carbon (mg/L) | 8.875 | | 8.875 | | SW-MC-02 | 1 / 1 | N/A | 8.9 |
| Total Suspended Solids (mg/L) | 2 | | 2 | | SW-MC-02 | 1 / 1 | N/A | 2.0 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-10**
**SURFACE WATER DATA SUMMARY - STATION SW-03-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 2 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 2 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 2 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 2 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 2 | 2 | 1.0 |
| Acetone | | | | | | 0 / 2 | 5 | 2.5 |
| Benzene | | | | | | 0 / 2 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 2 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 2 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 2 | 2 | 1.0 |
| Carbon disulfide | | | | | | 0 / 2 | 2 | 1.0 |
| Carbon tetrachloride | | | | | | 0 / 2 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 2 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 2 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 2 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 2 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 2 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 2 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 2 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 2 | 2 | 1.0 |
| Methylene chloride | | | | | | 0 / 2 | 5 | 2.5 |
| o-Xylene | | | | | | 0 / 2 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 2 | 4 | 2.0 |
| Styrene | | | | | | 0 / 2 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 2 | 2 | 1.0 |
| Toluene | | | | | | 0 / 2 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 2 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 2 | 2 | 1.0 |
| Vinyl chloride | | | | | | 0 / 2 | 2 | 1.0 |

**TABLE 2-10**
**SURFACE WATER DATA SUMMARY - STATION SW-03-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| 1,2-Dichlorobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| 1,3-Dichlorobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| 1,4-Dichlorobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 11 | 5.5 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 4 | 2.0 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 4 | 2.0 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 4 | 2.0 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 11 | 5.5 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 4 | 2.0 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 4 | 2.0 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 4 | 2.0 |
| 2-Chlorophenol | | | | | | 0 / 2 | 4 | 2.0 |
| 2-Methylnaphthalene | | | | | | 0 / 2 | 4 | 2.0 |
| 2-Methylphenol | | | | | | 0 / 2 | 4 | 2.0 |
| 2-Nitroaniline | | | | | | 0 / 2 | 11 | 5.5 |
| 2-Nitrophenol | | | | | | 0 / 2 | 4 | 2.0 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 4 | 2.0 |
| 3-Nitroaniline | | | | | | 0 / 2 | 4 | 2.0 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 11 | 5.5 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 4 | 2.0 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 4 | 2.0 |
| 4-Chloroaniline | | | | | | 0 / 2 | 4 | 2.0 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 2 | 4 | 2.0 |
| 4-Methylphenol | | | | | | 0 / 2 | 4 | 2.0 |
| 4-Nitroaniline | | | | | | 0 / 2 | 11 | 5.5 |
| 4-Nitrophenol | | | | | | 0 / 2 | 11 | 5.5 |
| Acenaphthene | | | | | | 0 / 2 | 4 | 2.0 |
| Acenaphthylene | | | | | | 0 / 2 | 4 | 2.0 |
| Anthracene | | | | | | 0 / 2 | 4 | 2.0 |
| Benzo(a)anthracene | | | | | | 0 / 2 | 4 | 2.0 |
| Benzo(a)pyrene | | | | | | 0 / 2 | 4 | 2.0 |
| Benzo(b)fluoranthene | | | | | | 0 / 2 | 4 | 2.0 |
| Benzo(g,h,i)perylene | | | | | | 0 / 2 | 4 | 2.0 |
| Benzo(k)fluoranthene | | | | | | 0 / 2 | 4 | 2.0 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 4 | 2.0 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 4 | 2.0 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 2 | 4 | 2.0 |
| bis(2-Ethylhexyl)phthalate | 3 | J | 3 | J | SW-MC-03-01 | 1 / 2 | 4 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 4 | 2.0 |
| Carbazole | | | | | | 0 / 2 | 4 | 2.0 |
| Chrysene | | | | | | 0 / 2 | 4 | 2.0 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 4 | 2.0 |
| Di-n-octyl phthalate | | | | | | 0 / 2 | 4 | 2.0 |
| Dibenz(a,h)anthracene | | | | | | 0 / 2 | 4 | 2.0 |
| Dibenzofuran | | | | | | 0 / 2 | 4 | 2.0 |
| Diethylphthalate | | | | | | 0 / 2 | 4 | 2.0 |
| Dimethyl Phthalate | | | | | | 0 / 2 | 4 | 2.0 |
| Fluoranthene | | | | | | 0 / 2 | 4 | 2.0 |
| Fluorene | | | | | | 0 / 2 | 4 | 2.0 |
| Hexachlorobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| Hexachlorobutadiene | | | | | | 0 / 2 | 4 | 2.0 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 11 | 5.5 |
| Hexachloroethane | | | | | | 0 / 2 | 4 | 2.0 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 2 | 4 | 2.0 |
| Isophorone | | | | | | 0 / 2 | 4 | 2.0 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 4 | 2.0 |
| n-Nitrosodiphenylamine | | | | | | 0 / 2 | 4 | 2.0 |
| Naphthalene | | | | | | 0 / 2 | 4 | 2.0 |
| Nitrobenzene | | | | | | 0 / 2 | 4 | 2.0 |
| Pentachlorophenol | | | | | | 0 / 2 | 11 | 5.5 |
| Phenanthrene | | | | | | 0 / 2 | 4 | 2.0 |
| Phenol | | | | | | 0 / 2 | 4 | 2.0 |
| Pyrene | | | | | | 0 / 2 | 4 | 2.0 |

**TABLE 2-10**
**SURFACE WATER DATA SUMMARY - STATION SW-03-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| 4,4'-DDE | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| 4,4'-DDT | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Aldrin | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| alpha-BHC | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| alpha-Chlordane | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Aroclor 1016 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1221 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1232 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1242 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1248 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1254 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Aroclor 1260 | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| beta-BHC | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Delta-BHC | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Dieldrin | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endosulfan I | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endosulfan II | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endosulfan Sulfate | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endrin | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endrin Aldehyde | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Endrin Ketone | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Heptachlor | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Heptachlor Epoxide | | | | | | 0 / 2 | 0.0084 - 0.0095 | 0.0045 |
| Methoxychlor | | | | | | 0 / 2 | 0.042 - 0.048 | 0.023 |
| Toxaphene | | | | | | 0 / 2 | 0.084 - 0.095 | 0.045 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 115 | | 184 | | SW-MC-03-01 | 2 / 2 | N/A | 150 |
| Antimony | | | | | | 0 / 2 | 18.3 | 9.2 |
| Arsenic | 2.9 | J | 2.9 | J | SW-MC-03 | 2 / 2 | N/A | 2.9 |
| Barium | 22.5 | | 28.5 | | SW-MC-03-01 | 2 / 2 | N/A | 26 |
| Beryllium | | | | | | 0 / 2 | 0.22 | 0.11 |
| Cadmium | | | | | | 0 / 2 | 0.78 | 0.39 |
| Calcium | 21300 | | 23200 | | SW-MC-03-01 | 2 / 2 | N/A | 22250 |
| Chromium | 9 | J | 9 | J | SW-MC-03-01 | 1 / 2 | 9 | 6.8 |
| Cobalt | 3 | J | 3 | J | SW-MC-03-01 | 1 / 2 | 3 | 2.3 |
| Copper | 2.4 | J | 2.4 | J | SW-MC-03-01 | 1 / 2 | 1.4 | 1.6 |
| Iron | 1270 | | 2210 | | SW-MC-03-01 | 2 / 2 | N/A | 1740 |
| Lead | 2.7 | J | 3.2 | J | SW-MC-03 | 2 / 2 | N/A | 3.0 |
| Magnesium | 4140 | | 4440 | | SW-MC-03-01 | 2 / 2 | N/A | 4290 |
| Manganese | 159 | | 425 | | SW-MC-03-01 | 2 / 2 | N/A | 292 |
| Mercury | | | | | | 0 / 2 | 0.04 | 0.020 |
| Nickel | 1.9 | J | 1.9 | J | SW-MC-03 | 2 / 2 | N/A | 1.9 |
| Selenium | | | | | | 0 / 2 | 1.1 | 0.55 |
| Silver | | | | | | 0 / 2 | 0.78 | 0.39 |
| Thallium | | | | | | 0 / 2 | 1.2 | 0.60 |
| Vanadium | 2.7 | J | 4.3 | J | SW-MC-03-01 | 2 / 2 | N/A | 3.5 |
| Zinc | 14.7 | J | 14.7 | J | SW-MC-03-01 | 1 / 2 | 8.2 | 9.4 |
| Total Organic Carbon (mg/L) | 9.31 | | 9.85 | | SW-MC-03 | 2 / 2 | N/A | 9.6 |
| Total Suspended Solids (mg/L) | 2 | | 3 | | SW-MC-03-01 | 2 / 2 | N/A | 2.5 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-11**
**SURFACE WATER DATA SUMMARY - STATION SW-04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 1 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 2 | 1.0 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 1 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon disulfide | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon tetrachloride | | | | | | 0 / 1 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 1 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Methylene chloride | | | | | | 0 / 1 | 5 | 2.5 |
| o-Xylene | | | | | | 0 / 1 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 1 | 4 | 2.0 |
| Styrene | | | | | | 0 / 1 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Toluene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Vinyl chloride | | | | | | 0 / 1 | 2 | 1.0 |

**TABLE 2-11**
**SURFACE WATER DATA SUMMARY - STATION SW-04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 10 | 5.0 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 10 | 5.0 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 4 | 2.0 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Chlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Nitroaniline | | | | | | 0 / 1 | 10 | 5.0 |
| 2-Nitrophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 4 | 2.0 |
| 3-Nitroaniline | | | | | | 0 / 1 | 4 | 2.0 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 10 | 5.0 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chloroaniline | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Nitroaniline | | | | | | 0 / 1 | 10 | 5.0 |
| 4-Nitrophenol | | | | | | 0 / 1 | 10 | 5.0 |
| Acenaphthene | | | | | | 0 / 1 | 4 | 2.0 |
| Acenaphthylene | | | | | | 0 / 1 | 4 | 2.0 |
| Anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Carbazole | | | | | | 0 / 1 | 4 | 2.0 |
| Chrysene | | | | | | 0 / 1 | 4 | 2.0 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Dibenzofuran | | | | | | 0 / 1 | 4 | 2.0 |
| Diethylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| Fluorene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 10 | 5.0 |
| Hexachloroethane | | | | | | 0 / 1 | 4 | 2.0 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 4 | 2.0 |
| Isophorone | | | | | | 0 / 1 | 4 | 2.0 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 4 | 2.0 |
| n-Nitrosodiphenylamine | | | | | | 0 / 1 | 4 | 2.0 |
| Naphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| Nitrobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| Pentachlorophenol | | | | | | 0 / 1 | 10 | 5.0 |
| Phenanthrene | | | | | | 0 / 1 | 4 | 2.0 |
| Phenol | | | | | | 0 / 1 | 4 | 2.0 |
| Pyrene | | | | | | 0 / 1 | 4 | 2.0 |

**TABLE 2-11**
**SURFACE WATER DATA SUMMARY - STATION SW-04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.01 | 0.0050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.01 | 0.0050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Aldrin | | | | | | 0 / 1 | 0.01 | 0.0050 |
| alpha-BHC | | | | | | 0 / 1 | 0.01 | 0.0050 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Aroclor 1016 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1221 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1232 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1242 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1248 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1254 | | | | | | 0 / 1 | 0.051 | 0.026 |
| Aroclor 1260 | | | | | | 0 / 1 | 0.051 | 0.026 |
| beta-BHC | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Delta-BHC | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Dieldrin | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endosulfan I | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endosulfan II | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endrin | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Endrin Ketone | | | | | | 0 / 1 | 0.01 | 0.0050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.01 | 0.0050 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Heptachlor | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.01 | 0.0050 |
| Methoxychlor | | | | | | 0 / 1 | 0.051 | 0.026 |
| Toxaphene | | | | | | 0 / 1 | 0.1 | 0.050 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 102 | | 102 | | SW-MC-04 | 1 / 1 | N/A | 102 |
| Antimony | | | | | | 0 / 1 | 18.3 | 9.2 |
| Arsenic | 1.1 | J | 1.1 | J | SW-MC-04 | 1 / 1 | N/A | 1.1 |
| Barium | 28 | | 28 | | SW-MC-04 | 1 / 1 | N/A | 28 |
| Beryllium | | | | | | 0 / 1 | 0.22 | 0.11 |
| Cadmium | | | | | | 0 / 1 | 0.78 | 0.39 |
| Calcium | 26300 | | 26300 | | SW-MC-04 | 1 / 1 | N/A | 26300 |
| Chromium | | | | | | 0 / 1 | 9 | 4.5 |
| Cobalt | | | | | | 0 / 1 | 3 | 1.5 |
| Copper | 2.6 | J | 2.6 | J | SW-MC-04 | 1 / 1 | N/A | 2.6 |
| Iron | 1070 | | 1070 | | SW-MC-04 | 1 / 1 | N/A | 1070 |
| Lead | 4 | J | 4 | J | SW-MC-04 | 1 / 1 | N/A | 4.0 |
| Magnesium | 4910 | | 4910 | | SW-MC-04 | 1 / 1 | N/A | 4910 |
| Manganese | 250 | | 250 | | SW-MC-04 | 1 / 1 | N/A | 250 |
| Mercury | | | | | | 0 / 1 | 0.04 | 0.020 |
| Nickel | 1.3 | J | 1.3 | J | SW-MC-04 | 1 / 1 | N/A | 1.3 |
| Selenium | 1.6 | J | 1.6 | J | SW-MC-04 | 1 / 1 | N/A | 1.6 |
| Silver | | | | | | 0 / 1 | 0.78 | 0.39 |
| Thallium | | | | | | 0 / 1 | 1.2 | 0.60 |
| Vanadium | | | | | | 0 / 1 | 2.6 | 1.3 |
| Zinc | | | | | | 0 / 1 | 9 | 4.5 |
| Total Organic Carbon (mg/L) | 4.17 | | 4.17 | | SW-MC-04 | 1 / 1 | N/A | 4.2 |
| Total Suspended Solids (mg/L) | 2 | | 2 | | SW-MC-04 | 1 / 1 | N/A | 2.0 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-12**
**SURFACE WATER DATA SUMMARY - STATION SW-12-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 1 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 2 | 1.0 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 1 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon disulfide | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon tetrachloride | | | | | | 0 / 1 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 1 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Methylene chloride | | | | | | 0 / 1 | 5 | 2.5 |
| o-Xylene | | | | | | 0 / 1 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 1 | 4 | 2.0 |
| Styrene | | | | | | 0 / 1 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Toluene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Vinyl chloride | | | | | | 0 / 1 | 2 | 1.0 |

**TABLE 2-12**
**SURFACE WATER DATA SUMMARY - STATION SW-12-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 10 | 5.0 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 10 | 5.0 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 4 | 2.0 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Chlorophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 2-Nitroaniline | | | | | | 0 / 1 | 10 | 5.0 |
| 2-Nitrophenol | | | | | | 0 / 1 | 4 | 2.0 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 4 | 2.0 |
| 3-Nitroaniline | | | | | | 0 / 1 | 4 | 2.0 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 10 | 5.0 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chloroaniline | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Methylphenol | | | | | | 0 / 1 | 4 | 2.0 |
| 4-Nitroaniline | | | | | | 0 / 1 | 10 | 5.0 |
| 4-Nitrophenol | | | | | | 0 / 1 | 10 | 5.0 |
| Acenaphthene | | | | | | 0 / 1 | 4 | 2.0 |
| Acenaphthylene | | | | | | 0 / 1 | 4 | 2.0 |
| Anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 4 | 2.0 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 4 | 2.0 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Carbazole | | | | | | 0 / 1 | 4 | 2.0 |
| Chrysene | | | | | | 0 / 1 | 4 | 2.0 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 4 | 2.0 |
| Dibenzofuran | | | | | | 0 / 1 | 4 | 2.0 |
| Diethylphthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 4 | 2.0 |
| Fluoranthene | | | | | | 0 / 1 | 4 | 2.0 |
| Fluorene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 4 | 2.0 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 10 | 5.0 |
| Hexachloroethane | | | | | | 0 / 1 | 4 | 2.0 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 4 | 2.0 |
| Isophorone | | | | | | 0 / 1 | 4 | 2.0 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 4 | 2.0 |
| n-Nitrosodiphenylamine | | | | | | 0 / 1 | 4 | 2.0 |
| Naphthalene | | | | | | 0 / 1 | 4 | 2.0 |
| Nitrobenzene | | | | | | 0 / 1 | 4 | 2.0 |
| Pentachlorophenol | | | | | | 0 / 1 | 10 | 5.0 |
| Phenanthrene | | | | | | 0 / 1 | 4 | 2.0 |
| Phenol | | | | | | 0 / 1 | 4 | 2.0 |
| Pyrene | | | | | | 0 / 1 | 4 | 2.0 |

**TABLE 2-12**
**SURFACE WATER DATA SUMMARY - STATION SW-12-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Aldrin | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| alpha-BHC | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Aroclor 1016 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1221 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1232 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1242 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1248 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1254 | | | | | | 0 / 1 | 0.042 | 0.021 |
| Aroclor 1260 | | | | | | 0 / 1 | 0.042 | 0.021 |
| beta-BHC | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Delta-BHC | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Dieldrin | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endosulfan I | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endosulfan II | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endrin | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Endrin Ketone | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Heptachlor | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.0083 | 0.0042 |
| Methoxychlor | | | | | | 0 / 1 | 0.042 | 0.021 |
| Toxaphene | | | | | | 0 / 1 | 0.083 | 0.042 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 202 | | 202 | | SW-MC-12 | 1 / 1 | N/A | 202 |
| Antimony | | | | | | 0 / 1 | 18.3 | 9.2 |
| Arsenic | 1.8 | J | 1.8 | J | SW-MC-12 | 1 / 1 | N/A | 1.8 |
| Barium | 29.8 | | 29.8 | | SW-MC-12 | 1 / 1 | N/A | 30 |
| Beryllium | | | | | | 0 / 1 | 0.22 | 0.11 |
| Cadmium | | | | | | 0 / 1 | 0.78 | 0.39 |
| Calcium | 25800 | | 25800 | | SW-MC-12 | 1 / 1 | N/A | 25800 |
| Chromium | | | | | | 0 / 1 | 9 | 4.5 |
| Cobalt | | | | | | 0 / 1 | 3 | 1.5 |
| Copper | 1.7 | J | 1.7 | J | SW-MC-12 | 1 / 1 | N/A | 1.7 |
| Iron | 1110 | | 1110 | | SW-MC-12 | 1 / 1 | N/A | 1110 |
| Lead | 5.6 | | 5.6 | | SW-MC-12 | 1 / 1 | N/A | 5.6 |
| Magnesium | 4710 | | 4710 | | SW-MC-12 | 1 / 1 | N/A | 4710 |
| Manganese | 210 | | 210 | | SW-MC-12 | 1 / 1 | N/A | 210 |
| Mercury | | | | | | 0 / 1 | 0.04 | 0.020 |
| Nickel | | | | | | 0 / 1 | 1.2 | 0.60 |
| Selenium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Silver | | | | | | 0 / 1 | 0.78 | 0.39 |
| Thallium | | | | | | 0 / 1 | 1.2 | 0.60 |
| Vanadium | | | | | | 0 / 1 | 2.6 | 1.3 |
| Zinc | 21.1 | J | 21.1 | J | SW-MC-12 | 1 / 1 | N/A | 21 |
| Total Organic Carbon (mg/L) | 3.89 | | 3.89 | | SW-MC-12 | 1 / 1 | N/A | 3.9 |
| Total Suspended Solids (mg/L) | 9 | | 9 | | SW-MC-12 | 1 / 1 | N/A | 9.0 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-13**
**SURFACE WATER DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 5 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,1,2-Trichloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,1-Dichloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,1-Dichloroethene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,1-Dichloropropene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,2-Dichloropropane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 5 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 5 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 11 | 2 - 5 | 1.7 |
| 2-Chlorotoluene | | | | | | 0 / 5 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 11 | 2 - 5 | 1.7 |
| 4-Chlorotoluene | | | | | | 0 / 5 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 5 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 11 | 2 - 5 | 1.7 |
| Acetone | | | | | | 0 / 11 | 5 | 2.5 |
| Benzene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Bromobenzene | | | | | | 0 / 5 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 5 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Bromoform | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Bromomethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Carbon Disulfide | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Carbon Tetrachloride | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Chlorobenzene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Chloroethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Chloroform | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Chloromethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| cis-1,2-Dichloroethene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| cis-1,3-Dichloropropene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Dibromochloromethane | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Dibromomethane | | | | | | 0 / 5 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 5 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Hexachlorobutadiene | | | | | | 0 / 5 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 11 | 1 - 5 | 1.8 |
| n-Butylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 5 | 1 | 0.50 |
| o-Xylene | | | | | | 0 / 6 | 2 | 1.0 |
| p/m-Xylene | | | | | | 0 / 6 | 4 | 2.0 |
| sec-Butylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| Styrene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| tert-Butylbenzene | | | | | | 0 / 5 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Toluene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Total Xylenes | | | | | | 0 / 5 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| trans-1,3-Dichloropropene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Trichloroethene | | | | | | 0 / 11 | 1 - 2 | 0.77 |
| Trichlorofluoromethane | | | | | | 0 / 5 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 11 | 1 - 2 | 0.77 |

**TABLE 2-13**
**SURFACE WATER DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 1,2-Dichlorobenzene | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| 1,3-Dichlorobenzene | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| 1,4-Dichlorobenzene | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 5 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 11 | 10 - 20 | 7.6 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2,4-Dichlorophenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2,4-Dimethylphenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2,4-Dinitrophenol | | | | | | 0 / 11 | 10 - 20 | 7.6 |
| 2,4-Dinitrotoluene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2,6-Dinitrotoluene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2-Chloronaphthalene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2-Chlorophenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2-Methylnaphthalene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2-Methylphenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 2-Nitroaniline | | | | | | 0 / 11 | 10 - 20 | 7.6 |
| 2-Nitrophenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 10 | 4 - 5 | 2.3 |
| 3-Nitroaniline | | | | | | 0 / 11 | 4 - 20 | 5.7 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 11 | 10 - 20 | 7.6 |
| 4-Bromophenol-phenylether | | | | | | 0 / 5 | 5 | 2.5 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 4-Chloroaniline | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 4-Methylphenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| 4-Nitroaniline | | | | | | 0 / 11 | 10 - 20 | 7.6 |
| 4-Nitrophenol | | | | | | 0 / 9 | 10 - 20 | 7.1 |
| Acenaphthene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Acenaphthylene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Anthracene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Benzo(a)anthracene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Benzo(a)pyrene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Benzo(b)fluoranthene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Benzo(g,h,i)perylene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Benzo(k)fluoranthene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| bis(2-chloroethyl)ether | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| bis(2-Ethylhexyl)phthalate | 3 | J | 3 | J | SW-MC-03-01 | 1 / 11 | 4 - 5 | 2.4 |
| Butylbenzylphthalate | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Carbazole | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| Chrysene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Di-n-butylphthalate | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Di-n-octyl phthalate | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Dibenz(a,h)anthracene | | | | | | 0 / 6 | 4 - 5 | 2.2 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 5 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Diethylphthalate | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Dimethyl Phthalate | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Fluoranthene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Fluorene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Hexachlorobenzene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Hexachlorobutadiene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Hexachlorocyclopentadiene | | | | | | 0 / 11 | 5 - 13 | 4.2 |
| Hexachloroethane | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Isophorone | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 11 | 4 - 5 | 2.3 |

**TABLE 2-13**
**SURFACE WATER DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Naphthalene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Nitrobenzene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Pentachlorophenol | | | | | | 0 / 10 | 10 - 20 | 7.4 |
| Phenanthrene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Phenol | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| Pyrene | | | | | | 0 / 11 | 4 - 5 | 2.3 |
| | | | | | | | | |
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| 4,4'-DDE | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| 4,4'-DDT | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Aldrin | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| alpha-BHC | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| alpha-Chlordane | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| Aroclor 1016 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| Aroclor 1221 | | | | | | 0 / 11 | 0.042 - 2 | 0.47 |
| Aroclor 1232 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| Aroclor 1242 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| Aroclor 1248 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| Aroclor 1254 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| Aroclor 1260 | | | | | | 0 / 11 | 0.042 - 1 | 0.24 |
| beta-BHC | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| delta-BHC | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| Dieldrin | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Endosulfan I | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| Endosulfan II | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Endosulfan sulfate | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Endrin | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Endrin aldehyde | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| Endrin ketone | | | | | | 0 / 11 | 0.0083 - 0.1 | 0.025 |
| gamma-BHC (Lindane) | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| gamma-Chlordane | 0.0017 | J | 0.0017 | J | SW-24-01 | 1 / 11 | 0.0083 - 0.05 | 0.012 |
| Heptachlor | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| Heptachlor epoxide | | | | | | 0 / 11 | 0.0083 - 0.05 | 0.014 |
| Methoxychlor | | | | | | 0 / 11 | 0.042 - 0.5 | 0.13 |
| Toxaphene | | | | | | 0 / 11 | 0.083 - 5 | 1.2 |
| | | | | | | | | |
| Metals - ug/L | | | | | | | | |
| Aluminum | 21.3 | | 2500 | | SW-MC-01 | 9 / 11 | 23.5 - 29.2 | 315 |
| Antimony | | | | | | 0 / 11 | 1.1 - 18.3 | 5.2 |
| Arsenic | 1.1 | J | 15.7 | J | SW-MC-01 | 8 / 11 | 1 - 1.7 | 3.1 |
| Barium | 15.4 | | 64 | | SW-MC-01 | 11 / 11 | N/A | 31 |
| Beryllium | | | | | | 0 / 11 | 0.099 - 0.22 | 0.083 |
| Cadmium | | | | | | 0 / 11 | 0.15 - 0.78 | 0.25 |
| Calcium | 17700 | | 37000 | | SW-24-01 | 11 / 11 | N/A | 25914 |
| Chromium | 0.34 | | 9 | J | SW-MC-01 | 4 / 11 | 0.25 - 9 | 3.0 |
| Cobalt | 3 | J | 7.1 | J | SW-MC-01 | 2 / 11 | 0.5 - 3 | 1.6 |
| Copper | 0.45 | | 13.8 | | SW-MC-01 | 8 / 11 | 0.35 - 1.4 | 2.6 |
| Cyanide | | | | | | 0 / 5 | 5 | 2.5 |
| Iron | 118 | | 15800 | | SW-MC-01 | 11 / 11 | N/A | 2671 |
| Lead | 0.665 | J | 51.4 | | SW-MC-01 | 8 / 11 | 0.75 | 6.9 |
| Magnesium | 2050 | | 5950 | | SW-24-01 | 11 / 11 | N/A | 4487 |
| Manganese | 46.4 | | 1960 | | SW-MC-01 | 11 / 11 | N/A | 451 |
| Mercury | 0.097 | | 0.13 | | SW-24-01 | 4 / 11 | 0.04 - 0.087 | 0.058 |
| Nickel | 0.66 | | 6.5 | J | SW-MC-01 | 9 / 11 | 0.5 - 1.2 | 1.6 |
| Potassium | 1080 | | 6260 | | SW-24-01 | 5 / 5 | N/A | 4118 |
| Selenium | 1.6 | J | 1.6 | J | SW-MC-04 | 1 / 11 | 1.1 - 1.9 | 0.81 |
| Silver | | | | | | 0 / 11 | 0.4 - 0.78 | 0.30 |
| Sodium | 42200 | | 88300 | | SW-26-01 | 5 / 5 | N/A | 59100 |
| Thallium | | | | | | 0 / 11 | 1.2 - 1.5 | 0.67 |
| Vanadium | 0.85 | | 12 | J | SW-MC-01 | 6 / 11 | 0.55 - 2.6 | 2.4 |
| Zinc | 1.375 | J | 71.7 | | SW-MC-01 | 7 / 11 | 1.6 - 9 | 13 |

**TABLE 2-13**
**SURFACE WATER DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (mg/L) | 3.89 | | 10.3 | | SW-MC-01 | 6 / 6 | N/A | 7.7 |
| Total Suspended Solids (mg/L) | 1 | | 64 | | SW-MC-01 | 11 / 11 | N/A | 11 |
| Dissolved Organic Carbon (mg/L) | 4.6 | | 8.2 | | SW-23-01 | 5 / 5 | N/A | 6.1 |
| Total Dissolved Solids (mg/L) | 205 | | 398 | | SW-24-01 | 5 / 5 | N/A | 281 |
| Alkalinity (as CaCO3) (mg/L) | 21 | | 53 | | SW-24-01 | 5 / 5 | N/A | 42 |
| Chloride (mg/L) | 75.4 | | 166 | | SW-26-01 | 5 / 5 | N/A | 105 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.01 | | 0.38 | | SW-27-01 | 5 / 5 | N/A | 0.12 |
| Sulfate (mg/L) | 10 | | 73 | | SW-24-01 | 5 / 5 | N/A | 29 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-14**
**SURFACE WATER DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SW-MC-01 | SW-MC-02 | SW-MC-03 | SW-MC-03-01 | SW-MC-04 | SW-MC-12 | SW-23-01 | SW-24-01 | SW-25-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/L) | | | | | | | | | |
| No Detections | | | | | | | | | |
| SVOCs (ug/L) | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 5 U | 5 U | 4 U | 3 J | 4 U | 4 U | 5 U | 5 U | 5 U |
| PCB/Pesticides (ug/L) | | | | | | | | | |
| gamma-Chlordane | 0.0091 U | 0.0092 U | 0.0095 U | 0.0084 U | 0.01 U | 0.0083 U | 0.05 U | 0.0017 J | 0.05 UJ |
| Metals (ug/L) | | | | | | | | | |
| Aluminum | 2500 | 121 | 115 | 184 | 102 | 202 | 23.5 U | 142 | 47.15 |
| Arsenic | 15.7 J | 1.15 J | 2.9 J | 2.9 J | 1.1 J | 1.8 J | 2.9 | 3.2 | 1.4 UJ |
| Barium | 64 | 22.55 | 22.5 | 28.5 | 28 | 29.8 | 20.3 | 45.1 | 24.55 |
| Calcium | 32900 | 33500 | 21300 | 23200 | 26300 | 25800 | 24300 | 37000 | 23350 |
| Chromium | 9 U | 9 U | 9 U | 9 J | 9 U | 9 U | 0.47 | 0.88 | 0.25 U |
| Cobalt | 7.1 J | 3 U | 3 U | 3 J | 3 U | 3 U | 0.5 U | 0.5 U | 0.5 U |
| Copper | 13.8 | 1.4 U | 1.4 U | 2.4 J | 2.6 J | 1.7 J | 0.35 U | 3.9 | 1 |
| Iron | 15800 | 3085 | 1270 | 2210 | 1070 | 1110 | 1470 | 2780 | 118 |
| Lead | 51.4 | 1.15 J | 3.2 J | 2.7 J | 4 J | 5.6 | 0.75 U | 6.3 | 0.665 J |
| Magnesium | 5600 | 4305 | 4140 | 4440 | 4910 | 4710 | 5150 | 5950 | 3825 |
| Manganese | 1960 | 277.5 | 159 | 425 | 250 | 210 | 780 | 520 | 46.4 |
| Mercury | 0.087 U | 0.04 U | 0.04 U | 0.04 U | 0.04 U | 0.04 U | 0.11 | 0.13 | .115 |
| Nickel | 6.5 J | 1.15 J | 1.9 J | 1.9 J | 1.3 J | 1.2 U | 0.66 | 1.8 | .78 |
| Potassium | NA | NA | NA | NA | NA | NA | 4920 | 6260 | 4230 |
| Selenium | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.6 J | 1.1 U | 1.8 U | 1.9 U | 1.8 U |
| Sodium | NA | NA | NA | NA | NA | NA | 48800 | 69100 | 47100 |
| Vanadium | 12 J | 2.4 J | 2.7 J | 4.3 J | 2.6 U | 2.6 U | 0.89 | 0.55 U | .85 |
| Zinc | 71.7 | 3.9 U | 8.2 U | 14.7 J | 9 U | 21.1 J | 2.2 J | 16.1 J | 1.375 J |
| Total Organic Carbon (mg/L) | 10.3 | 8.875 | 9.85 | 9.31 | 4.17 | 3.89 | NA | NA | NA |
| Total Suspended Solids (mg/L) | 64 | 2 | 2 | 3 | 2 | 9 | 5.9 | 28 | 3.65 |
| Dissolved Organic Carbon (mg/L) | NA | NA | NA | NA | NA | NA | 8.2 | 7.8 | 5.35 |
| Total Dissolved Solids (mg/L) | NA | NA | NA | NA | NA | NA | 292 | 398 | 205 |
| Alkalinity (as $CaCO_3$) (mg/L) | NA | NA | NA | NA | NA | NA | 52 | 53 | 43.5 |
| Chloride (mg/L) | NA | NA | NA | NA | NA | NA | 88.6 | 114 | 80.55 |
| Nitrate/Nitrite Nitrogen (mg/L) | NA | NA | NA | NA | NA | NA | 0.08 | 0.12 | .015 |
| Sulfate (mg/L) | NA | NA | NA | NA | NA | NA | 18 | 73 | 23 |
| Hardness (as $CaCO_3$) (mg/L) calc. | 105 | 101 | 70 | 76 | 86 | 84 | 82 | 117 | 74 |

**TABLE 2-14**
**SURFACE WATER DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SW-26-01 | SW-27-01 |
|---|---|---|
| VOCs (ug/L) | | |
| No Detections | | |
| SVOCs (ug/L) | | |
| bis(2-Ethylhexyl)phthalate | 5 U | 5 U |
| PCB/Pesticides (ug/L) | | |
| gamma-Chlordane | 0.05 U | 0.05 U |
| Metals (ug/L) | | |
| Aluminum | 29.2 U | 21.3 |
| Arsenic | 1 U | 1.7 UJ |
| Barium | 40.5 | 15.4 |
| Calcium | 17700 | 19700 |
| Chromium | 0.25 U | 0.34 |
| Cobalt | 0.5 U | 0.5 U |
| Copper | 1.4 | 0.45 |
| Iron | 221 | 251 |
| Lead | 0.75 U | 0.75 U |
| Magnesium | 2050 | 4280 |
| Manganese | 285 | 47.5 |
| Mercury | 0.08 U | 0.097 |
| Nickel | 0.5 U | 0.75 |
| Potassium | 1080 | 4100 |
| Selenium | 1.8 U | 1.8 U |
| Sodium | 88300 | 42200 |
| Vanadium | 0.55 U | 0.55 U |
| Zinc | 2.7 J | 1.6 UJ |
| Total Organic Carbon (mg/L) | NA | NA |
| Total Suspended Solids (mg/L) | 1.8 | 1 |
| Dissolved Organic Carbon (mg/L) | 4.6 | 4.6 |
| Total Dissolved Solids (mg/L) | 302 | 208 |
| Alkalinity (as $CaCO_3$) (mg/L) | 21 | 38 |
| Chloride (mg/L) | 166 | 75.4 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.01 | 0.38 |
| Sulfate (mg/L) | 10 | 21 |
| Hardness (as $CaCO_3$) (mg/L) calc. | 53 | 67 |

**TABLE 2-15**
**SURFACE WATER DATA SUMMARY - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-15**
**SURFACE WATER DATA SUMMARY - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-15**
**SURFACE WATER DATA SUMMARY - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 426 | | 426 | | SW-01-01 | 1 / 1 | N/A | 426 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 3.1 | | 3.1 | | SW-01-01 | 1 / 1 | N/A | 3.1 |
| Barium | 29.6 | | 29.6 | | SW-01-01 | 1 / 1 | N/A | 30 |
| Beryllium | | | | | | 0 / 1 | 0.035 | 0.018 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 28100 | | 28100 | | SW-01-01 | 1 / 1 | N/A | 28100 |
| Chromium | 1.5 | | 1.5 | | SW-01-01 | 1 / 1 | N/A | 1.5 |
| Cobalt | 0.43 | | 0.43 | | SW-01-01 | 1 / 1 | N/A | 0.43 |
| Copper | 6.8 | | 6.8 | | SW-01-01 | 1 / 1 | N/A | 6.8 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 703 | | 703 | | SW-01-01 | 1 / 1 | N/A | 703 |
| Lead | 4.1 | J | 4.1 | J | SW-01-01 | 1 / 1 | N/A | 4.1 |
| Magnesium | 5030 | | 5030 | | SW-01-01 | 1 / 1 | N/A | 5030 |
| Manganese | 70.9 | | 70.9 | | SW-01-01 | 1 / 1 | N/A | 71 |
| Mercury | 0.04 | J | 0.04 | J | SW-01-01 | 1 / 1 | N/A | 0.040 |
| Nickel | 2 | | 2 | | SW-01-01 | 1 / 1 | N/A | 2.0 |
| Potassium | 4160 | J | 4160 | J | SW-01-01 | 1 / 1 | N/A | 4160 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.74 | 0.37 |
| Sodium | 62600 | | 62600 | | SW-01-01 | 1 / 1 | N/A | 62600 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 1.3 | | 1.3 | | SW-01-01 | 1 / 1 | N/A | 1.3 |
| Zinc | 45.5 | | 45.5 | | SW-01-01 | 1 / 1 | N/A | 46 |
| Total Suspended Solids (mg/L) | 3 | | 3 | | SW-01-01 | 1 / 1 | N/A | 3.0 |
| Dissolved Organic Carbon (mg/L) | 6.8 | | 6.8 | | SW-01-01 | 1 / 1 | N/A | 6.8 |
| Total Dissolved Solids (mg/L) | 935 | | 935 | | SW-01-01 | 1 / 1 | N/A | 935 |
| Alkalinity (as CaCO3) (mg/L) | 51 | | 51 | | SW-01-01 | 1 / 1 | N/A | 51 |
| Chloride (mg/L) | 95.4 | | 95.4 | | SW-01-01 | 1 / 1 | N/A | 95 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1.1 | | 1.1 | | SW-01-01 | 1 / 1 | N/A | 1.1 |
| Sulfate (mg/L) | 40 | | 40 | | SW-01-01 | 1 / 1 | N/A | 40 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-16**
**SURFACE WATER DATA SUMMARY - STATION 02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 3 | 1.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-16**
**SURFACE WATER DATA SUMMARY - STATION 02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-16**
**SURFACE WATER DATA SUMMARY - STATION 02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 50.4 | | 50.4 | | SW-02-01 | 1 / 1 | N/A | 50 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 2.8 | | 2.8 | | SW-02-01 | 1 / 1 | N/A | 2.8 |
| Barium | 34.5 | | 34.5 | | SW-02-01 | 1 / 1 | N/A | 35 |
| Beryllium | | | | | | 0 / 1 | 0.035 | 0.018 |
| Cadmium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Calcium | 28800 | | 28800 | | SW-02-01 | 1 / 1 | N/A | 28800 |
| Chromium | 0.72 | | 0.72 | | SW-02-01 | 1 / 1 | N/A | 0.72 |
| Cobalt | | | | | | 0 / 1 | 0.4 | 0.20 |
| Copper | 2.2 | | 2.2 | | SW-02-01 | 1 / 1 | N/A | 2.2 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 304 | | 304 | | SW-02-01 | 1 / 1 | N/A | 304 |
| Lead | | | | | | 0 / 1 | 0.85 | 0.43 |
| Magnesium | 5060 | | 5060 | | SW-02-01 | 1 / 1 | N/A | 5060 |
| Manganese | 97.4 | | 97.4 | | SW-02-01 | 1 / 1 | N/A | 97 |
| Mercury | 0.062 | J | 0.062 | J | SW-02-01 | 1 / 1 | N/A | 0.062 |
| Nickel | 0.89 | | 0.89 | | SW-02-01 | 1 / 1 | N/A | 0.89 |
| Potassium | 4070 | J | 4070 | J | SW-02-01 | 1 / 1 | N/A | 4070 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 58900 | | 58900 | | SW-02-01 | 1 / 1 | N/A | 58900 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 0.58 | | 0.58 | | SW-02-01 | 1 / 1 | N/A | 0.58 |
| Zinc | | | | | | 0 / 1 | 4 | 2.0 |
| Total Suspended Solids (mg/L) | 4.7 | | 4.7 | | SW-02-01 | 1 / 1 | N/A | 4.7 |
| Dissolved Organic Carbon (mg/L) | 7.1 | | 7.1 | | SW-02-01 | 1 / 1 | N/A | 7.1 |
| Total Dissolved Solids (mg/L) | 268 | | 268 | | SW-02-01 | 1 / 1 | N/A | 268 |
| Alkalinity (as CaCO3) (mg/L) | 50 | | 50 | | SW-02-01 | 1 / 1 | N/A | 50 |
| Chloride (mg/L) | 85.1 | | 85.1 | | SW-02-01 | 1 / 1 | N/A | 85 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.89 | | 0.89 | | SW-02-01 | 1 / 1 | N/A | 0.89 |
| Sulfate (mg/L) | 35 | | 35 | | SW-02-01 | 1 / 1 | N/A | 35 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-17**
**SURFACE WATER DATA SUMMARY - STATION 03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 16 | 8.0 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-17**
**SURFACE WATER DATA SUMMARY - STATION 03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-17**
**SURFACE WATER DATA SUMMARY - STATION 03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 298 | | 298 | | SW-03-01 | 1 / 1 | N/A | 298 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 5.2 | | 5.2 | | SW-03-01 | 1 / 1 | N/A | 5.2 |
| Barium | 41.9 | | 41.9 | | SW-03-01 | 1 / 1 | N/A | 42 |
| Beryllium | | | | | | 0 / 1 | 0.035 | 0.018 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 28900 | | 28900 | | SW-03-01 | 1 / 1 | N/A | 28900 |
| Chromium | 3.7 | | 3.7 | | SW-03-01 | 1 / 1 | N/A | 3.7 |
| Cobalt | | | | | | 0 / 1 | 0.4 | 0.20 |
| Copper | 6 | | 6 | | SW-03-01 | 1 / 1 | N/A | 6.0 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1080 | | 1080 | | SW-03-01 | 1 / 1 | N/A | 1080 |
| Lead | 7.5 | J | 7.5 | J | SW-03-01 | 1 / 1 | N/A | 7.5 |
| Magnesium | 5120 | | 5120 | | SW-03-01 | 1 / 1 | N/A | 5120 |
| Manganese | 221 | | 221 | | SW-03-01 | 1 / 1 | N/A | 221 |
| Mercury | 0.069 | J | 0.069 | J | SW-03-01 | 1 / 1 | N/A | 0.069 |
| Nickel | 1.5 | | 1.5 | | SW-03-01 | 1 / 1 | N/A | 1.5 |
| Potassium | 4070 | J | 4070 | J | SW-03-01 | 1 / 1 | N/A | 4070 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 49000 | | 49000 | | SW-03-01 | 1 / 1 | N/A | 49000 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 1.3 | | 1.3 | | SW-03-01 | 1 / 1 | N/A | 1.3 |
| Zinc | 29.4 | | 29.4 | | SW-03-01 | 1 / 1 | N/A | 29 |
| Total Suspended Solids (mg/L) | 9.1 | | 9.1 | | SW-03-01 | 1 / 1 | N/A | 9.1 |
| Dissolved Organic Carbon (mg/L) | 8 | | 8 | | SW-03-01 | 1 / 1 | N/A | 8.0 |
| Total Dissolved Solids (mg/L) | 249 | | 249 | | SW-03-01 | 1 / 1 | N/A | 249 |
| Alkalinity (as CaCO3) (mg/L) | 52 | | 52 | | SW-03-01 | 1 / 1 | N/A | 52 |
| Chloride (mg/L) | 78.9 | | 78.9 | | SW-03-01 | 1 / 1 | N/A | 79 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.9 | | 0.9 | | SW-03-01 | 1 / 1 | N/A | 0.90 |
| Sulfate (mg/L) | 54 | | 54 | | SW-03-01 | 1 / 1 | N/A | 54 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-18**
**SURFACE WATER DATA SUMMARY - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 3 | 1.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-18**
**SURFACE WATER DATA SUMMARY - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-18**
**SURFACE WATER DATA SUMMARY - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 47.7 | | 47.7 | | SW-04-01 | 1 / 1 | N/A | 48 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | | | | | | 0 / 1 | 6.5 | 3.3 |
| Barium | 44.4 | | 44.4 | | SW-04-01 | 1 / 1 | N/A | 44 |
| Beryllium | 0.11 | | 0.11 | | SW-04-01 | 1 / 1 | N/A | 0.11 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 32600 | | 32600 | | SW-04-01 | 1 / 1 | N/A | 32600 |
| Chromium | 0.75 | | 0.75 | | SW-04-01 | 1 / 1 | N/A | 0.75 |
| Cobalt | | | | | | 0 / 1 | 0.4 | 0.20 |
| Copper | 2.5 | | 2.5 | | SW-04-01 | 1 / 1 | N/A | 2.5 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 544 | | 544 | | SW-04-01 | 1 / 1 | N/A | 544 |
| Lead | 1.7 | | 1.7 | | SW-04-01 | 1 / 1 | N/A | 1.7 |
| Magnesium | 5710 | | 5710 | | SW-04-01 | 1 / 1 | N/A | 5710 |
| Manganese | 317 | | 317 | | SW-04-01 | 1 / 1 | N/A | 317 |
| Mercury | | | | | | 0 / 1 | 0.2 | 0.10 |
| Nickel | 1.1 | | 1.1 | | SW-04-01 | 1 / 1 | N/A | 1.1 |
| Potassium | 3850 | | 3850 | | SW-04-01 | 1 / 1 | N/A | 3850 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.74 | 0.37 |
| Sodium | 51200 | | 51200 | | SW-04-01 | 1 / 1 | N/A | 51200 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | | | | | | 0 / 1 | 0.55 | 0.28 |
| Zinc | 12.4 | | 12.4 | | SW-04-01 | 1 / 1 | N/A | 12 |
| Total Suspended Solids (mg/L) | 12 | | 12 | | SW-04-01 | 1 / 1 | N/A | 12 |
| Dissolved Organic Carbon (mg/L) | 7.1 | | 7.1 | | SW-04-01 | 1 / 1 | N/A | 7.1 |
| Total Dissolved Solids (mg/L) | 467 | | 467 | | SW-04-01 | 1 / 1 | N/A | 467 |
| Alkalinity (as CaCO3) (mg/L) | 53 | | 53 | | SW-04-01 | 1 / 1 | N/A | 53 |
| Chloride (mg/L) | 86.9 | | 86.9 | | SW-04-01 | 1 / 1 | N/A | 87 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.62 | | 0.62 | | SW-04-01 | 1 / 1 | N/A | 0.62 |
| Sulfate (mg/L) | 49 | | 49 | | SW-04-01 | 1 / 1 | N/A | 49 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-19**
**SURFACE WATER DATA SUMMARY - STATION 05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | 1 | J | 1 | J | SW-05-01 | 1 / 1 | N/A | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 3 | 1.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | 2 | | 2 | | SW-05-01 | 1 / 1 | N/A | 2.0 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-19**
**SURFACE WATER DATA SUMMARY - STATION 05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-19**
**SURFACE WATER DATA SUMMARY - STATION 05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 27.3 | | 27.3 | | SW-05-01 | 1 / 1 | N/A | 27 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | | | | | | 0 / 1 | 3.4 | 1.7 |
| Barium | 50.3 | | 50.3 | | SW-05-01 | 1 / 1 | N/A | 50 |
| Beryllium | | | | | | 0 / 1 | 0.059 | 0.030 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 41800 | | 41800 | | SW-05-01 | 1 / 1 | N/A | 41800 |
| Chromium | 0.85 | | 0.85 | | SW-05-01 | 1 / 1 | N/A | 0.85 |
| Cobalt | | | | | | 0 / 1 | 0.4 | 0.20 |
| Copper | 1.7 | | 1.7 | | SW-05-01 | 1 / 1 | N/A | 1.7 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 376 | | 376 | | SW-05-01 | 1 / 1 | N/A | 376 |
| Lead | | | | | | 0 / 1 | 0.84 | 0.42 |
| Magnesium | 7290 | | 7290 | | SW-05-01 | 1 / 1 | N/A | 7290 |
| Manganese | 320 | | 320 | | SW-05-01 | 1 / 1 | N/A | 320 |
| Mercury | | | | | | 0 / 1 | 0.2 | 0.10 |
| Nickel | 1.3 | | 1.3 | | SW-05-01 | 1 / 1 | N/A | 1.3 |
| Potassium | 4560 | | 4560 | | SW-05-01 | 1 / 1 | N/A | 4560 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.74 | 0.37 |
| Sodium | 65900 | | 65900 | | SW-05-01 | 1 / 1 | N/A | 65900 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 0.68 | | 0.68 | | SW-05-01 | 1 / 1 | N/A | 0.68 |
| Zinc | 10.8 | | 10.8 | | SW-05-01 | 1 / 1 | N/A | 11 |
| Total Suspended Solids (mg/L) | 2.6 | | 2.6 | | SW-05-01 | 1 / 1 | N/A | 2.6 |
| Dissolved Organic Carbon (mg/L) | 5.7 | | 5.7 | | SW-05-01 | 1 / 1 | N/A | 5.7 |
| Total Dissolved Solids (mg/L) | 340 | | 340 | | SW-05-01 | 1 / 1 | N/A | 340 |
| Alkalinity (as CaCO3) (mg/L) | 71 | | 71 | | SW-05-01 | 1 / 1 | N/A | 71 |
| Chloride (mg/L) | 111 | | 111 | | SW-05-01 | 1 / 1 | N/A | 111 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.1 | | 2.1 | | SW-05-01 | 1 / 1 | N/A | 2.1 |
| Sulfate (mg/L) | 48 | | 48 | | SW-05-01 | 1 / 1 | N/A | 48 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-20**
**SURFACE WATER DATA SUMMARY - STATION 06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 5 | 2.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-20**
**SURFACE WATER DATA SUMMARY - STATION 06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-20**
**SURFACE WATER DATA SUMMARY - STATION 06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 199 | | 199 | | SW-06-01 | 1 / 1 | N/A | 199 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | | | | | | 0 / 1 | 6.5 | 3.3 |
| Barium | 32 | | 32 | | SW-06-01 | 1 / 1 | N/A | 32 |
| Beryllium | | | | | | 0 / 1 | 0.097 | 0.049 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 42500 | | 42500 | | SW-06-01 | 1 / 1 | N/A | 42500 |
| Chromium | 4.3 | | 4.3 | | SW-06-01 | 1 / 1 | N/A | 4.3 |
| Cobalt | | | | | | 0 / 1 | 0.88 | 0.44 |
| Copper | 5.2 | | 5.2 | | SW-06-01 | 1 / 1 | N/A | 5.2 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1180 | | 1180 | | SW-06-01 | 1 / 1 | N/A | 1180 |
| Lead | 5.7 | | 5.7 | | SW-06-01 | 1 / 1 | N/A | 5.7 |
| Magnesium | 6830 | | 6830 | | SW-06-01 | 1 / 1 | N/A | 6830 |
| Manganese | 504 | | 504 | | SW-06-01 | 1 / 1 | N/A | 504 |
| Mercury | | | | | | 0 / 1 | 0.2 | 0.10 |
| Nickel | 1.9 | | 1.9 | | SW-06-01 | 1 / 1 | N/A | 1.9 |
| Potassium | 5180 | | 5180 | | SW-06-01 | 1 / 1 | N/A | 5180 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 59800 | | 59800 | | SW-06-01 | 1 / 1 | N/A | 59800 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 1.5 | | 1.5 | | SW-06-01 | 1 / 1 | N/A | 1.5 |
| Zinc | 29.8 | | 29.8 | | SW-06-01 | 1 / 1 | N/A | 30 |
| Total Suspended Solids (mg/L) | 8.1 | | 8.1 | | SW-06-01 | 1 / 1 | N/A | 8.1 |
| Dissolved Organic Carbon (mg/L) | 6 | | 6 | | SW-06-01 | 1 / 1 | N/A | 6.0 |
| Total Dissolved Solids (mg/L) | 338 | | 338 | | SW-06-01 | 1 / 1 | N/A | 338 |
| Alkalinity (as CaCO3) (mg/L) | 67 | | 67 | | SW-06-01 | 1 / 1 | N/A | 67 |
| Chloride (mg/L) | 102 | | 102 | | SW-06-01 | 1 / 1 | N/A | 102 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.2 | | 2.2 | | SW-06-01 | 1 / 1 | N/A | 2.2 |
| Sulfate (mg/L) | 70 | | 70 | | SW-06-01 | 1 / 1 | N/A | 70 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-21**
**SURFACE WATER DATA SUMMARY - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 5 | 2.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-21**
**SURFACE WATER DATA SUMMARY - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-21**
**SURFACE WATER DATA SUMMARY - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 129 | | 129 | | SW-07-01 | 1 / 1 | N/A | 129 |
| Antimony | 1.3 | | 1.3 | | SW-07-01 | 1 / 1 | N/A | 1.3 |
| Arsenic | | | | | | 0 / 1 | 13.9 | 7.0 |
| Barium | 33.9 | | 33.9 | | SW-07-01 | 1 / 1 | N/A | 34 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Calcium | 45300 | | 45300 | | SW-07-01 | 1 / 1 | N/A | 45300 |
| Chromium | 3.1 | | 3.1 | | SW-07-01 | 1 / 1 | N/A | 3.1 |
| Cobalt | | | | | | 0 / 1 | 0.96 | 0.48 |
| Copper | 3.6 | | 3.6 | | SW-07-01 | 1 / 1 | N/A | 3.6 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1920 | | 1920 | | SW-07-01 | 1 / 1 | N/A | 1920 |
| Lead | 4.3 | | 4.3 | | SW-07-01 | 1 / 1 | N/A | 4.3 |
| Magnesium | 7400 | | 7400 | | SW-07-01 | 1 / 1 | N/A | 7400 |
| Manganese | 585 | | 585 | | SW-07-01 | 1 / 1 | N/A | 585 |
| Mercury | 0.22 | J | 0.22 | J | SW-07-01 | 1 / 1 | N/A | 0.22 |
| Nickel | 1.7 | | 1.7 | | SW-07-01 | 1 / 1 | N/A | 1.7 |
| Potassium | 5050 | | 5050 | | SW-07-01 | 1 / 1 | N/A | 5050 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.74 | 0.37 |
| Sodium | 54500 | | 54500 | | SW-07-01 | 1 / 1 | N/A | 54500 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 1.9 | | 1.9 | | SW-07-01 | 1 / 1 | N/A | 1.9 |
| Zinc | 18.9 | | 18.9 | | SW-07-01 | 1 / 1 | N/A | 19 |
| Total Suspended Solids (mg/L) | 11.8 | | 11.8 | | SW-07-01 | 1 / 1 | N/A | 12 |
| Dissolved Organic Carbon (mg/L) | 7.6 | | 7.6 | | SW-07-01 | 1 / 1 | N/A | 7.6 |
| Total Dissolved Solids (mg/L) | 358 | | 358 | | SW-07-01 | 1 / 1 | N/A | 358 |
| Alkalinity (as CaCO3) (mg/L) | 59 | | 59 | | SW-07-01 | 1 / 1 | N/A | 59 |
| Chloride (mg/L) | 97.8 | | 97.8 | | SW-07-01 | 1 / 1 | N/A | 98 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.9 | | 2.9 | | SW-07-01 | 1 / 1 | N/A | 2.9 |
| Sulfate (mg/L) | 88 | | 88 | | SW-07-01 | 1 / 1 | N/A | 88 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-22**
**SURFACE WATER DATA SUMMARY - STATION 08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-22**
**SURFACE WATER DATA SUMMARY - STATION 08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-22**
**SURFACE WATER DATA SUMMARY - STATION 08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 40.2 | | 40.2 | | SW-08-01 | 1 / 1 | N/A | 40 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 6.8 | | 6.8 | | SW-08-01 | 1 / 1 | N/A | 6.8 |
| Barium | 29.2 | | 29.2 | | SW-08-01 | 1 / 1 | N/A | 29 |
| Beryllium | | | | | | 0 / 1 | 0.095 | 0.048 |
| Cadmium | | | | | | 0 / 1 | 1.4 | 0.70 |
| Calcium | 49200 | | 49200 | | SW-08-01 | 1 / 1 | N/A | 49200 |
| Chromium | 2.2 | | 2.2 | | SW-08-01 | 1 / 1 | N/A | 2.2 |
| Cobalt | | | | | | 0 / 1 | 0.61 | 0.31 |
| Copper | 3.3 | | 3.3 | | SW-08-01 | 1 / 1 | N/A | 3.3 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 693 | | 693 | | SW-08-01 | 1 / 1 | N/A | 693 |
| Lead | | | | | | 0 / 1 | 0.85 | 0.43 |
| Magnesium | 8040 | | 8040 | | SW-08-01 | 1 / 1 | N/A | 8040 |
| Manganese | 356 | J | 356 | J | SW-08-01 | 1 / 1 | N/A | 356 |
| Mercury | | | | | | 0 / 1 | 0.2 | 0.10 |
| Nickel | 1.3 | | 1.3 | | SW-08-01 | 1 / 1 | N/A | 1.3 |
| Potassium | 5240 | | 5240 | | SW-08-01 | 1 / 1 | N/A | 5240 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 58800 | | 58800 | | SW-08-01 | 1 / 1 | N/A | 58800 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Zinc | 37.7 | | 37.7 | | SW-08-01 | 1 / 1 | N/A | 38 |
| Total Suspended Solids (mg/L) | 3.4 | | 3.4 | | SW-08-01 | 1 / 1 | N/A | 3.4 |
| Dissolved Organic Carbon (mg/L) | 4.9 | | 4.9 | | SW-08-01 | 1 / 1 | N/A | 4.9 |
| Total Dissolved Solids (mg/L) | 219 | | 219 | | SW-08-01 | 1 / 1 | N/A | 219 |
| Alkalinity (as CaCO3) (mg/L) | 49 | | 49 | | SW-08-01 | 1 / 1 | N/A | 49 |
| Chloride (mg/L) | 99.5 | | 99.5 | | SW-08-01 | 1 / 1 | N/A | 100 |
| Nitrate/Nitrite Nitrogen (mg/L) | 5.1 | | 5.1 | | SW-08-01 | 1 / 1 | N/A | 5.1 |
| Sulfate (mg/L) | 87 | | 87 | | SW-08-01 | 1 / 1 | N/A | 87 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-23**
**SURFACE WATER DATA SUMMARY - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | 3 | | 3 | | SW-09-01 | 1 / 1 | N/A | 3.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 2 | 1.0 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | 2 | | 2 | | SW-09-01 | 1 / 1 | N/A | 2.0 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-23**
**SURFACE WATER DATA SUMMARY - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-23**
**SURFACE WATER DATA SUMMARY - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 55.3 | | 55.3 | | SW-09-01 | 1 / 1 | N/A | 55 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 11.5 | | 11.5 | | SW-09-01 | 1 / 1 | N/A | 12 |
| Barium | 31.3 | | 31.3 | | SW-09-01 | 1 / 1 | N/A | 31 |
| Beryllium | | | | | | 0 / 1 | 0.093 | 0.047 |
| Cadmium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Calcium | 53200 | | 53200 | | SW-09-01 | 1 / 1 | N/A | 53200 |
| Chromium | 4.3 | | 4.3 | | SW-09-01 | 1 / 1 | N/A | 4.3 |
| Cobalt | | | | | | 0 / 1 | 1.5 | 0.75 |
| Copper | 4.5 | | 4.5 | | SW-09-01 | 1 / 1 | N/A | 4.5 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1000 | | 1000 | | SW-09-01 | 1 / 1 | N/A | 1000 |
| Lead | 1.8 | | 1.8 | | SW-09-01 | 1 / 1 | N/A | 1.8 |
| Magnesium | 8360 | | 8360 | | SW-09-01 | 1 / 1 | N/A | 8360 |
| Manganese | 644 | J | 644 | J | SW-09-01 | 1 / 1 | N/A | 644 |
| Mercury | | | | | | 0 / 1 | 0.2 | 0.10 |
| Nickel | 1.4 | | 1.4 | | SW-09-01 | 1 / 1 | N/A | 1.4 |
| Potassium | 5330 | | 5330 | | SW-09-01 | 1 / 1 | N/A | 5330 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 61100 | | 61100 | | SW-09-01 | 1 / 1 | N/A | 61100 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | | | | | | 0 / 1 | 1.2 | 0.60 |
| Zinc | 46.2 | | 46.2 | | SW-09-01 | 1 / 1 | N/A | 46 |
| Total Suspended Solids (mg/L) | 9.9 | | 9.9 | | SW-09-01 | 1 / 1 | N/A | 9.9 |
| Dissolved Organic Carbon (mg/L) | 5.6 | | 5.6 | | SW-09-01 | 1 / 1 | N/A | 5.6 |
| Total Dissolved Solids (mg/L) | 430 | | 430 | | SW-09-01 | 1 / 1 | N/A | 430 |
| Alkalinity (as CaCO3) (mg/L) | 70 | | 70 | | SW-09-01 | 1 / 1 | N/A | 70 |
| Chloride (mg/L) | 101 | | 101 | | SW-09-01 | 1 / 1 | N/A | 101 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.8 | | 2.8 | | SW-09-01 | 1 / 1 | N/A | 2.8 |
| Sulfate (mg/L) | 123 | | 123 | | SW-09-01 | 1 / 1 | N/A | 123 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-24**
**SURFACE WATER DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 3 | 1.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-24**
**SURFACE WATER DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-24**
**SURFACE WATER DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 2180 | | 2180 | | SW-10-01 | 1 / 1 | N/A | 2180 |
| Antimony | 1.5 | | 1.5 | | SW-10-01 | 1 / 1 | N/A | 1.5 |
| Arsenic | 77.1 | | 77.1 | | SW-10-01 | 1 / 1 | N/A | 77 |
| Barium | 54.4 | | 54.4 | | SW-10-01 | 1 / 1 | N/A | 54 |
| Beryllium | 0.18 | | 0.18 | | SW-10-01 | 1 / 1 | N/A | 0.18 |
| Cadmium | 2.5 | | 2.5 | | SW-10-01 | 1 / 1 | N/A | 2.5 |
| Calcium | 67700 | | 67700 | | SW-10-01 | 1 / 1 | N/A | 67700 |
| Chromium | 146 | | 146 | | SW-10-01 | 1 / 1 | N/A | 146 |
| Cobalt | 4.8 | | 4.8 | | SW-10-01 | 1 / 1 | N/A | 4.8 |
| Copper | 111 | | 111 | | SW-10-01 | 1 / 1 | N/A | 111 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 8470 | | 8470 | | SW-10-01 | 1 / 1 | N/A | 8470 |
| Lead | 75.9 | J | 75.9 | J | SW-10-01 | 1 / 1 | N/A | 76 |
| Magnesium | 10100 | | 10100 | | SW-10-01 | 1 / 1 | N/A | 10100 |
| Manganese | 691 | | 691 | | SW-10-01 | 1 / 1 | N/A | 691 |
| Mercury | 0.88 | | 0.88 | | SW-10-01 | 1 / 1 | N/A | 0.88 |
| Nickel | 6.2 | | 6.2 | | SW-10-01 | 1 / 1 | N/A | 6.2 |
| Potassium | 6420 | | 6420 | | SW-10-01 | 1 / 1 | N/A | 6420 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 66000 | | 66000 | | SW-10-01 | 1 / 1 | N/A | 66000 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 7.4 | | 7.4 | | SW-10-01 | 1 / 1 | N/A | 7.4 |
| Zinc | 626 | J | 626 | J | SW-10-01 | 1 / 1 | N/A | 626 |
| Total Suspended Solids (mg/L) | 104 | | 104 | | SW-10-01 | 1 / 1 | N/A | 104 |
| Dissolved Organic Carbon (mg/L) | 6.9 | | 6.9 | | SW-10-01 | 1 / 1 | N/A | 6.9 |
| Total Dissolved Solids (mg/L) | 519 | | 519 | | SW-10-01 | 1 / 1 | N/A | 519 |
| Alkalinity (as CaCO3) (mg/L) | 81 | | 81 | | SW-10-01 | 1 / 1 | N/A | 81 |
| Chloride (mg/L) | 106 | | 106 | | SW-10-01 | 1 / 1 | N/A | 106 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.2 | | 2.2 | | SW-10-01 | 1 / 1 | N/A | 2.2 |
| Sulfate (mg/L) | 135 | | 135 | | SW-10-01 | 1 / 1 | N/A | 135 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-25**
**SURFACE WATER DATA SUMMARY - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | 1 | | 1 | | SW-11-01 | 1 / 1 | N/A | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 2 | 1.0 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-25**
**SURFACE WATER DATA SUMMARY - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-25**
**SURFACE WATER DATA SUMMARY - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | 0.0014 | J | 0.0014 | J | SW-11-01 | 1 / 1 | N/A | 0.0014 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | 0.0014 | J | 0.0014 | J | SW-11-01 | 1 / 1 | N/A | 0.0014 |
| Methoxychlor | 0.015 | J | 0.015 | J | SW-11-01 | 1 / 1 | N/A | 0.015 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 37.9 | | 37.9 | | SW-11-01 | 1 / 1 | N/A | 38 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 12.7 | | 12.7 | | SW-11-01 | 1 / 1 | N/A | 13 |
| Barium | 33.2 | | 33.2 | | SW-11-01 | 1 / 1 | N/A | 33 |
| Beryllium | | | | | | 0 / 1 | 0.035 | 0.018 |
| Cadmium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Calcium | 70100 | | 70100 | | SW-11-01 | 1 / 1 | N/A | 70100 |
| Chromium | 2.7 | | 2.7 | | SW-11-01 | 1 / 1 | N/A | 2.7 |
| Cobalt | | | | | | 0 / 1 | 1.5 | 0.75 |
| Copper | 4.1 | | 4.1 | | SW-11-01 | 1 / 1 | N/A | 4.1 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1150 | | 1150 | | SW-11-01 | 1 / 1 | N/A | 1150 |
| Lead | | | | | | 0 / 1 | 0.85 | 0.43 |
| Magnesium | 10100 | | 10100 | | SW-11-01 | 1 / 1 | N/A | 10100 |
| Manganese | 336 | | 336 | | SW-11-01 | 1 / 1 | N/A | 336 |
| Mercury | | | | | | 0 / 1 | 0.095 | 0.048 |
| Nickel | 2 | | 2 | | SW-11-01 | 1 / 1 | N/A | 2.0 |
| Potassium | 5970 | | 5970 | | SW-11-01 | 1 / 1 | N/A | 5970 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 67500 | | 67500 | | SW-11-01 | 1 / 1 | N/A | 67500 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 0.79 | | 0.79 | | SW-11-01 | 1 / 1 | N/A | 0.79 |
| Zinc | 33 | J | 33 | J | SW-11-01 | 1 / 1 | N/A | 33 |
| Total Suspended Solids (mg/L) | 3.1 | | 3.1 | | SW-11-01 | 1 / 1 | N/A | 3.1 |
| Dissolved Organic Carbon (mg/L) | 7.1 | | 7.1 | | SW-11-01 | 1 / 1 | N/A | 7.1 |
| Total Dissolved Solids (mg/L) | 511 | | 511 | | SW-11-01 | 1 / 1 | N/A | 511 |
| Alkalinity (as CaCO3) (mg/L) | 96 | | 96 | | SW-11-01 | 1 / 1 | N/A | 96 |
| Chloride (mg/L) | 110 | | 110 | | SW-11-01 | 1 / 1 | N/A | 110 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.3 | | 2.3 | | SW-11-01 | 1 / 1 | N/A | 2.3 |
| Sulfate (mg/L) | 132 | | 132 | | SW-11-01 | 1 / 1 | N/A | 132 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-26**
**SURFACE WATER DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/l. | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 5 | 2.5 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-26**
**SURFACE WATER DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-26**
**SURFACE WATER DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | 0.0021 | J | 0.0021 | J | SW-12-01 | 1 / 1 | N/A | 0.0021 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | 0.0019 | J | 0.0019 | J | SW-12-01 | 1 / 1 | N/A | 0.0019 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 70.9 | | 70.9 | | SW-12-01 | 1 / 1 | N/A | 71 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 22.7 | | 22.7 | | SW-12-01 | 1 / 1 | N/A | 23 |
| Barium | 35.8 | | 35.8 | | SW-12-01 | 1 / 1 | N/A | 36 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 86200 | | 86200 | | SW-12-01 | 1 / 1 | N/A | 86200 |
| Chromium | 5.8 | | 5.8 | | SW-12-01 | 1 / 1 | N/A | 5.8 |
| Cobalt | 0.79 | | 0.79 | | SW-12-01 | 1 / 1 | N/A | 0.79 |
| Copper | 5.8 | | 5.8 | | SW-12-01 | 1 / 1 | N/A | 5.8 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1580 | | 1580 | | SW-12-01 | 1 / 1 | N/A | 1580 |
| Lead | 0.93999 | | 0.93999 | | SW-12-01 | 1 / 1 | N/A | 0.94 |
| Magnesium | 12100 | | 12100 | | SW-12-01 | 1 / 1 | N/A | 12100 |
| Manganese | 506 | | 506 | | SW-12-01 | 1 / 1 | N/A | 506 |
| Mercury | | | | | | 0 / 1 | 0.08 | 0.040 |
| Nickel | 2.5 | | 2.5 | | SW-12-01 | 1 / 1 | N/A | 2.5 |
| Potassium | 8040 | | 8040 | | SW-12-01 | 1 / 1 | N/A | 8040 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 73200 | | 73200 | | SW-12-01 | 1 / 1 | N/A | 73200 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 0.84 | | 0.84 | | SW-12-01 | 1 / 1 | N/A | 0.84 |
| Zinc | 47.7 | J | 47.7 | J | SW-12-01 | 1 / 1 | N/A | 48 |
| Total Suspended Solids (mg/L) | 4 | | 4 | | SW-12-01 | 1 / 1 | N/A | 4.0 |
| Dissolved Organic Carbon (mg/L) | 9.3 | | 9.3 | | SW-12-01 | 1 / 1 | N/A | 9.3 |
| Total Dissolved Solids (mg/L) | 598 | | 598 | | SW-12-01 | 1 / 1 | N/A | 598 |
| Alkalinity (as CaCO3) (mg/L) | 123 | | 123 | | SW-12-01 | 1 / 1 | N/A | 123 |
| Chloride (mg/L) | 113 | | 113 | | SW-12-01 | 1 / 1 | N/A | 113 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.6 | | 2.6 | | SW-12-01 | 1 / 1 | N/A | 2.6 |
| Sulfate (mg/L) | 244 | | 244 | | SW-12-01 | 1 / 1 | N/A | 244 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-27**
**SURFACE WATER DATA SUMMARY - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-27**
**SURFACE WATER DATA SUMMARY - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | 0.0015 | J | 0.0015 | J | SW-13-01 | 1 / 1 | N/A | 0.0015 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | 0.0011 | J | 0.0011 | J | SW-13-01 | 1 / 1 | N/A | 0.0011 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 279 | | 279 | | SW-13-01 | 1 / 1 | N/A | 279 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 21.5 | | 21.5 | | SW-13-01 | 1 / 1 | N/A | 22 |
| Barium | 37.9 | | 37.9 | | SW-13-01 | 1 / 1 | N/A | 38 |
| Beryllium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 78700 | | 78700 | | SW-13-01 | 1 / 1 | N/A | 78700 |
| Chromium | 10.9 | | 10.9 | | SW-13-01 | 1 / 1 | N/A | 11 |
| Cobalt | 1 | | 1 | | SW-13-01 | 1 / 1 | N/A | 1.0 |
| Copper | 14.1 | | 14.1 | | SW-13-01 | 1 / 1 | N/A | 14 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1980 | | 1980 | | SW-13-01 | 1 / 1 | N/A | 1980 |
| Lead | 9.5 | | 9.5 | | SW-13-01 | 1 / 1 | N/A | 9.5 |
| Magnesium | 10800 | | 10800 | | SW-13-01 | 1 / 1 | N/A | 10800 |
| Manganese | 493 | | 493 | | SW-13-01 | 1 / 1 | N/A | 493 |
| Mercury | 0.26 | | 0.26 | | SW-13-01 | 1 / 1 | N/A | 0.26 |
| Nickel | 2.4 | | 2.4 | | SW-13-01 | 1 / 1 | N/A | 2.4 |
| Potassium | 7590 | | 7590 | | SW-13-01 | 1 / 1 | N/A | 7590 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 68200 | | 68200 | | SW-13-01 | 1 / 1 | N/A | 68200 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 1.4 | | 1.4 | | SW-13-01 | 1 / 1 | N/A | 1.4 |
| Zinc | 64.3 | J | 64.3 | J | SW-13-01 | 1 / 1 | N/A | 64 |
| Total Suspended Solids (mg/L) | 2.8 | | 2.8 | | SW-13-01 | 1 / 1 | N/A | 2.8 |
| Dissolved Organic Carbon (mg/L) | 8.7 | | 8.7 | | SW-13-01 | 1 / 1 | N/A | 8.7 |
| Total Dissolved Solids (mg/L) | 555 | | 555 | | SW-13-01 | 1 / 1 | N/A | 555 |
| Alkalinity (as CaCO3) (mg/L) | 120 | | 120 | | SW-13-01 | 1 / 1 | N/A | 120 |
| Chloride (mg/L) | 111 | | 111 | | SW-13-01 | 1 / 1 | N/A | 111 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1.3 | | 1.3 | | SW-13-01 | 1 / 1 | N/A | 1.3 |
| Sulfate (mg/L) | 230 | | 230 | | SW-13-01 | 1 / 1 | N/A | 230 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-28**
**SURFACE WATER DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-28**
**SURFACE WATER DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-28**
**SURFACE WATER DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 1 | 36.9 | 18 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 13.4 | | 13.4 | | SW-14-01 | 1 / 1 | N/A | 13 |
| Barium | 35.4 | | 35.4 | | SW-14-01 | 1 / 1 | N/A | 35 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 87200 | | 87200 | | SW-14-01 | 1 / 1 | N/A | 87200 |
| Chromium | 2.4 | | 2.4 | | SW-14-01 | 1 / 1 | N/A | 2.4 |
| Cobalt | 1.15 | | 1.15 | | SW-14-01 | 1 / 1 | N/A | 1.2 |
| Copper | 3.6 | | 3.6 | | SW-14-01 | 1 / 1 | N/A | 3.6 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1595 | | 1595 | | SW-14-01 | 1 / 1 | N/A | 1595 |
| Lead | | | | | | 0 / 1 | 0.75 | 0.38 |
| Magnesium | 11950 | | 11950 | | SW-14-01 | 1 / 1 | N/A | 11950 |
| Manganese | 616 | | 616 | | SW-14-01 | 1 / 1 | N/A | 616 |
| Mercury | | | | | | 0 / 1 | 0.08 | 0.040 |
| Nickel | 2.5 | | 2.5 | | SW-14-01 | 1 / 1 | N/A | 2.5 |
| Potassium | 7895 | | 7895 | | SW-14-01 | 1 / 1 | N/A | 7895 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 72500 | | 72500 | | SW-14-01 | 1 / 1 | N/A | 72500 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 0.4925 | J | 0.4925 | J | SW-14-01 | 1 / 1 | N/A | 0.49 |
| Zinc | 47.9 | J | 47.9 | J | SW-14-01 | 1 / 1 | N/A | 48 |
| Total Suspended Solids (mg/L) | 4.9 | | 4.9 | | SW-14-01 | 1 / 1 | N/A | 4.9 |
| Dissolved Organic Carbon (mg/L) | 8.85 | | 8.85 | | SW-14-01 | 1 / 1 | N/A | 8.9 |
| Total Dissolved Solids (mg/L) | 508.5 | | 508.5 | | SW-14-01 | 1 / 1 | N/A | 509 |
| Alkalinity (as CaCO3) (mg/L) | 138 | | 138 | | SW-14-01 | 1 / 1 | N/A | 138 |
| Chloride (mg/L) | 114 | | 114 | | SW-14-01 | 1 / 1 | N/A | 114 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1.15 | | 1.15 | | SW-14-01 | 1 / 1 | N/A | 1.2 |
| Sulfate (mg/L) | 248.5 | | 248.5 | | SW-14-01 | 1 / 1 | N/A | 249 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-29**
**SURFACE WATER DATA SUMMARY - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-29**
**SURFACE WATER DATA SUMMARY - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-29**
**SURFACE WATER DATA SUMMARY - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 1 | 31.1 | 16 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 11.6 | | 11.6 | | SW-15-01 | 1 / 1 | N/A | 12 |
| Barium | 33.5 | | 33.5 | | SW-15-01 | 1 / 1 | N/A | 34 |
| Beryllium | | | | | | 0 / 1 | 0.099 | 0.050 |
| Cadmium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Calcium | 80100 | | 80100 | | SW-15-01 | 1 / 1 | N/A | 80100 |
| Chromium | 2.2 | | 2.2 | | SW-15-01 | 1 / 1 | N/A | 2.2 |
| Cobalt | 0.68999 | | 0.68999 | | SW-15-01 | 1 / 1 | N/A | 0.69 |
| Copper | 3.7 | | 3.7 | | SW-15-01 | 1 / 1 | N/A | 3.7 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 972 | | 972 | | SW-15-01 | 1 / 1 | N/A | 972 |
| Lead | | | | | | 0 / 1 | 0.74 | 0.37 |
| Magnesium | 11100 | | 11100 | | SW-15-01 | 1 / 1 | N/A | 11100 |
| Manganese | 316 | | 316 | | SW-15-01 | 1 / 1 | N/A | 316 |
| Mercury | 0.12 | | 0.12 | | SW-15-01 | 1 / 1 | N/A | 0.12 |
| Nickel | 2.2 | | 2.2 | | SW-15-01 | 1 / 1 | N/A | 2.2 |
| Potassium | 7470 | | 7470 | | SW-15-01 | 1 / 1 | N/A | 7470 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 69000 | | 69000 | | SW-15-01 | 1 / 1 | N/A | 69000 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 0.73 | | 0.73 | | SW-15-01 | 1 / 1 | N/A | 0.73 |
| Zinc | 27.4 | J | 27.4 | J | SW-15-01 | 1 / 1 | N/A | 27 |
| Total Suspended Solids (mg/L) | 2.9 | | 2.9 | | SW-15-01 | 1 / 1 | N/A | 2.9 |
| Dissolved Organic Carbon (mg/L) | 8.2 | | 8.2 | | SW-15-01 | 1 / 1 | N/A | 8.2 |
| Total Dissolved Solids (mg/L) | 491 | | 491 | | SW-15-01 | 1 / 1 | N/A | 491 |
| Alkalinity (as CaCO3) (mg/L) | 122 | | 122 | | SW-15-01 | 1 / 1 | N/A | 122 |
| Chloride (mg/L) | 111 | | 111 | | SW-15-01 | 1 / 1 | N/A | 111 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1.5 | | 1.5 | | SW-15-01 | 1 / 1 | N/A | 1.5 |
| Sulfate (mg/L) | 228 | | 228 | | SW-15-01 | 1 / 1 | N/A | 228 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-30**
**SURFACE WATER DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 5 | 2.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | 4 | | 4 | | SW-16-01 | 1 / 1 | N/A | 4.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 2 | 1.0 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | 2 | | 2 | | SW-16-01 | 1 / 1 | N/A | 2.0 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-30**
**SURFACE WATER DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-30**
**SURFACE WATER DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 325.5 | | 325.5 | | SW-16-01 | 1 / 1 | N/A | 326 |
| Antimony | | | | | | 0 / 1 | 1.2 | 0.60 |
| Arsenic | 19.75 | | 19.75 | | SW-16-01 | 1 / 1 | N/A | 20 |
| Barium | 35.75 | | 35.75 | | SW-16-01 | 1 / 1 | N/A | 36 |
| Beryllium | 0.043 | | 0.043 | | SW-16-01 | 1 / 1 | N/A | 0.043 |
| Cadmium | 0.23 | | 0.23 | | SW-16-01 | 1 / 1 | N/A | 0.23 |
| Calcium | 56750 | | 56750 | | SW-16-01 | 1 / 1 | N/A | 56750 |
| Chromium | 12.1 | | 12.1 | | SW-16-01 | 1 / 1 | N/A | 12 |
| Cobalt | 1.9 | | 1.9 | | SW-16-01 | 1 / 1 | N/A | 1.9 |
| Copper | 13.75 | | 13.75 | | SW-16-01 | 1 / 1 | N/A | 14 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1935 | | 1935 | | SW-16-01 | 1 / 1 | N/A | 1935 |
| Lead | 7.7 | J | 7.7 | J | SW-16-01 | 1 / 1 | N/A | 7.7 |
| Magnesium | 8970 | | 8970 | | SW-16-01 | 1 / 1 | N/A | 8970 |
| Manganese | 777.5 | | 777.5 | | SW-16-01 | 1 / 1 | N/A | 778 |
| Mercury | 0.1475 | J | 0.1475 | J | SW-16-01 | 1 / 1 | N/A | 0.15 |
| Nickel | 2.2 | | 2.2 | | SW-16-01 | 1 / 1 | N/A | 2.2 |
| Potassium | 5130 | | 5130 | | SW-16-01 | 1 / 1 | N/A | 5130 |
| Selenium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Silver | | | | | | 0 / 1 | 0.75 | 0.38 |
| Sodium | 61750 | | 61750 | | SW-16-01 | 1 / 1 | N/A | 61750 |
| Thallium | | | | | | 0 / 1 | 1.7 | 0.85 |
| Vanadium | 1.65 | | 1.65 | | SW-16-01 | 1 / 1 | N/A | 1.7 |
| Zinc | 91.75 | J | 91.75 | J | SW-16-01 | 1 / 1 | N/A | 92 |
| Total Suspended Solids (mg/L) | 16.2 | | 16.2 | | SW-16-01 | 1 / 1 | N/A | 16 |
| Dissolved Organic Carbon (mg/L) | 5.4 | | 5.4 | | SW-16-01 | 1 / 1 | N/A | 5.4 |
| Total Dissolved Solids (mg/L) | 443 | | 443 | | SW-16-01 | 1 / 1 | N/A | 443 |
| Alkalinity (as CaCO3) (mg/L) | 70 | | 70 | | SW-16-01 | 1 / 1 | N/A | 70 |
| Chloride (mg/L) | 103.5 | | 103.5 | | SW-16-01 | 1 / 1 | N/A | 104 |
| Nitrate/Nitrite Nitrogen (mg/L) | 3.05 | | 3.05 | | SW-16-01 | 1 / 1 | N/A | 3.1 |
| Sulfate (mg/L) | 109 | | 109 | | SW-16-01 | 1 / 1 | N/A | 109 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-31**
**SURFACE WATER DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 1 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 5 | 2.5 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 1 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 1 | 1 | 0.50 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 1 | 1 | 0.50 |
| Chloroform | | | | | | 0 / 1 | 1 | 0.50 |
| Chloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 1 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 1 | 1 | 0.50 |
| n-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 1 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Styrene | | | | | | 0 / 1 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 1 | 1 | 0.50 |
| Tetrachloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Toluene | | | | | | 0 / 1 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 1 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichloroethene | | | | | | 0 / 1 | 1 | 0.50 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 1 | 1 | 0.50 |

**TABLE 2-31**
**SURFACE WATER DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 1 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-31**
**SURFACE WATER DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Aroclor 1016 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 1 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 1 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 1 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 1 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 1 | 0.05 | 0.025 |
| Endosulfan II | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 1 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 1 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.05 | 0.025 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor | | | | | | 0 / 1 | 0.05 | 0.025 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.05 | 0.025 |
| Methoxychlor | | | | | | 0 / 1 | 0.5 | 0.25 |
| Toxaphene | | | | | | 0 / 1 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 101 | | 101 | | SW-18-01 | 1 / 1 | N/A | 101 |
| Antimony | | | | | | 0 / 1 | 1.1 | 0.55 |
| Arsenic | 13.1 | | 13.1 | | SW-18-01 | 1 / 1 | N/A | 13 |
| Barium | 31.2 | | 31.2 | | SW-18-01 | 1 / 1 | N/A | 31 |
| Beryllium | | | | | | 0 / 1 | 0.1 | 0.050 |
| Cadmium | 0.16 | | 0.16 | | SW-18-01 | 1 / 1 | N/A | 0.16 |
| Calcium | 76800 | | 76800 | | SW-18-01 | 1 / 1 | N/A | 76800 |
| Chromium | 10.5 | | 10.5 | | SW-18-01 | 1 / 1 | N/A | 11 |
| Cobalt | 1.1 | | 1.1 | | SW-18-01 | 1 / 1 | N/A | 1.1 |
| Copper | 8.5 | | 8.5 | | SW-18-01 | 1 / 1 | N/A | 8.5 |
| Cyanide | | | | | | 0 / 1 | 5 | 2.5 |
| Iron | 1060 | | 1060 | | SW-18-01 | 1 / 1 | N/A | 1060 |
| Lead | 4 | | 4 | | SW-18-01 | 1 / 1 | N/A | 4.0 |
| Magnesium | 11000 | | 11000 | | SW-18-01 | 1 / 1 | N/A | 11000 |
| Manganese | 330 | | 330 | | SW-18-01 | 1 / 1 | N/A | 330 |
| Mercury | | | | | | 0 / 1 | 0.08 | 0.040 |
| Nickel | 2.1 | | 2.1 | | SW-18-01 | 1 / 1 | N/A | 2.1 |
| Potassium | 7640 | | 7640 | | SW-18-01 | 1 / 1 | N/A | 7640 |
| Selenium | | | | | | 0 / 1 | 1.8 | 0.90 |
| Silver | | | | | | 0 / 1 | 0.4 | 0.20 |
| Sodium | 68000 | | 68000 | | SW-18-01 | 1 / 1 | N/A | 68000 |
| Thallium | | | | | | 0 / 1 | 1.5 | 0.75 |
| Vanadium | 1.5 | | 1.5 | | SW-18-01 | 1 / 1 | N/A | 1.5 |
| Zinc | 48.2 | J | 48.2 | J | SW-18-01 | 1 / 1 | N/A | 48 |
| Total Suspended Solids (mg/L) | 9.1 | | 9.1 | | SW-18-01 | 1 / 1 | N/A | 9.1 |
| Dissolved Organic Carbon (mg/L) | 8.5 | | 8.5 | | SW-18-01 | 1 / 1 | N/A | 8.5 |
| Total Dissolved Solids (mg/L) | 552 | | 552 | | SW-18-01 | 1 / 1 | N/A | 552 |
| Alkalinity (as CaCO3) (mg/L) | 104 | | 104 | | SW-18-01 | 1 / 1 | N/A | 104 |
| Chloride (mg/L) | 114 | | 114 | | SW-18-01 | 1 / 1 | N/A | 114 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1 | | 1 | | SW-18-01 | 1 / 1 | N/A | 1.0 |
| Sulfate (mg/L) | 203 | | 203 | | SW-18-01 | 1 / 1 | N/A | 203 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-32**
**SURFACE WATER DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1,1-Trichloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1,2-Trichloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1-Dichloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1-Dichloroethene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,1-Dichloropropene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2,3-Trichlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2,3-Trichloropropane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2,4-Trimethylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2-Dibromoethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2-Dichlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2-Dichloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,2-Dichloropropane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,3,5-Trimethylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,3-Dichlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 1,3-Dichloropropane | | | | | | 0 / 16 | 1 | 0.50 |
| 1,4-Dichlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| 2,2-Dichloropropane | | | | | | 0 / 16 | 1 | 0.50 |
| 2-Butanone | | | | | | 0 / 16 | 5 | 2.5 |
| 2-Chlorotoluene | | | | | | 0 / 16 | 1 | 0.50 |
| 2-Hexanone | | | | | | 0 / 16 | 5 | 2.5 |
| 4-Chlorotoluene | | | | | | 0 / 16 | 1 | 0.50 |
| 4-Isopropyltoluene | | | | | | 0 / 16 | 1 | 0.50 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 16 | 5 | 2.5 |
| Acetone | | | | | | 0 / 16 | 5 | 2.5 |
| Benzene | | | | | | 0 / 16 | 1 | 0.50 |
| Bromobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Bromochloromethane | | | | | | 0 / 16 | 1 | 0.50 |
| Bromodichloromethane | | | | | | 0 / 16 | 1 | 0.50 |
| Bromoform | | | | | | 0 / 16 | 1 | 0.50 |
| Bromomethane | | | | | | 0 / 16 | 1 | 0.50 |
| Carbon Disulfide | | | | | | 0 / 16 | 1 - 5 | 2.0 |
| Carbon Tetrachloride | | | | | | 0 / 16 | 1 | 0.50 |
| Chlorobenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Chloroethane | | | | | | 0 / 16 | 1 | 0.50 |
| Chloroform | 1 | J | 1 | J | SW-05-01 | 1 / 16 | 1 | 0.53 |
| Chloromethane | | | | | | 0 / 16 | 1 | 0.50 |
| cis-1,2-Dichloroethene | 1 | | 4 | | SW-16-01 | 3 / 16 | 1 | 0.91 |
| cis-1,3-Dichloropropene | | | | | | 0 / 16 | 1 | 0.50 |
| Dibromochloromethane | | | | | | 0 / 16 | 1 | 0.50 |
| Dibromomethane | | | | | | 0 / 16 | 1 | 0.50 |
| Dichlorodifluoromethane | | | | | | 0 / 16 | 1 | 0.50 |
| Ethylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Hexachlorobutadiene | | | | | | 0 / 16 | 1 | 0.50 |
| Isopropylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Methylene Chloride | | | | | | 0 / 16 | 1 - 16 | 1.7 |
| n-Butylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| n-Propylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Naphthalene | | | | | | 0 / 16 | 1 | 0.50 |
| sec-Butylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Styrene | | | | | | 0 / 16 | 1 | 0.50 |
| tert-Butylbenzene | | | | | | 0 / 16 | 1 | 0.50 |
| Tetrachloroethene | 2 | | 2 | | SW-05-01 | 1 / 16 | 1 | 0.59 |
| Toluene | | | | | | 0 / 16 | 1 | 0.50 |
| Total Xylenes | | | | | | 0 / 16 | 1 | 0.50 |
| Trans-1,2-Dichloroethene | | | | | | 0 / 16 | 1 | 0.50 |
| trans-1,3-Dichloropropene | | | | | | 0 / 16 | 1 | 0.50 |
| Trichloroethene | 2 | | 2 | | SW-09-01 | 2 / 16 | 1 | 0.69 |
| Trichlorofluoromethane | | | | | | 0 / 16 | 1 | 0.50 |
| Vinyl Chloride | | | | | | 0 / 16 | 1 | 0.50 |

**TABLE 2-32**
**SURFACE WATER DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 17 | 5 | 2.5 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 17 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 17 | 20 | 10 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 17 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 17 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 17 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 17 | 20 | 10 |
| 2,4-Dinitrotoluene | | | | | | 0 / 17 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 17 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 17 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 17 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 17 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 17 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 17 | 20 | 10 |
| 2-Nitrophenol | | | | | | 0 / 17 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 16 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 17 | 20 | 10 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 17 | 20 | 10 |
| 4-Bromophenol-phenylether | | | | | | 0 / 17 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 17 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 17 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 17 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 17 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 17 | 20 | 10 |
| 4-Nitrophenol | | | | | | 0 / 16 | 20 | 10 |
| Acenaphthene | | | | | | 0 / 17 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 17 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 17 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 17 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 17 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 17 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 17 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 17 | 5 | 2.5 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 17 | 5 | 2.5 |
| bis(2-chloroethyl)ether | | | | | | 0 / 17 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 17 | 5 | 2.5 |
| Di-n-butylphthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Di-n-octyl phthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Dibenzo(a,h)anthracene | | | | | | 0 / 17 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 17 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Dimethyl Phthalate | | | | | | 0 / 17 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 17 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 17 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 17 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 17 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 17 | 5 | 2.5 |
| Hexachloroethane | | | | | | 0 / 17 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 17 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 17 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 17 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 17 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 17 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 17 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 17 | 20 | 10 |
| Phenanthrene | | | | | | 0 / 17 | 5 | 2.5 |
| Phenol | | | | | | 0 / 17 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 17 | 5 | 2.5 |

**TABLE 2-32**
**SURFACE WATER DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 17 | 0.1 | 0.050 |
| 4,4'-DDE | | | | | | 0 / 17 | 0.1 | 0.050 |
| 4,4'-DDT | | | | | | 0 / 17 | 0.1 | 0.050 |
| Aldrin | | | | | | 0 / 17 | 0.05 | 0.025 |
| alpha-BHC | | | | | | 0 / 17 | 0.05 | 0.025 |
| alpha-Chlordane | 0.0021 | J | 0.0021 | J | SW-12-01 | 1 / 17 | 0.05 | 0.024 |
| Aroclor 1016 | | | | | | 0 / 17 | 1 | 0.50 |
| Aroclor 1221 | | | | | | 0 / 17 | 2 | 1.0 |
| Aroclor 1232 | | | | | | 0 / 17 | 1 | 0.50 |
| Aroclor 1242 | | | | | | 0 / 17 | 1 | 0.50 |
| Aroclor 1248 | | | | | | 0 / 17 | 1 | 0.50 |
| Aroclor 1254 | | | | | | 0 / 17 | 1 | 0.50 |
| Aroclor 1260 | | | | | | 0 / 17 | 1 | 0.50 |
| beta-BHC | | | | | | 0 / 17 | 0.05 | 0.025 |
| delta-BHC | | | | | | 0 / 17 | 0.05 | 0.025 |
| Dieldrin | | | | | | 0 / 17 | 0.1 | 0.050 |
| Endosulfan I | | | | | | 0 / 17 | 0.05 | 0.025 |
| Endosulfan II | 0.0015 | J | 0.0015 | J | SW-13-01 | 1 / 17 | 0.1 | 0.047 |
| Endosulfan sulfate | | | | | | 0 / 17 | 0.1 | 0.050 |
| Endrin | | | | | | 0 / 17 | 0.1 | 0.050 |
| Endrin aldehyde | | | | | | 0 / 17 | 0.1 | 0.050 |
| Endrin ketone | | | | | | 0 / 17 | 0.1 | 0.050 |
| gamma-BHC (Lindane) | | | | | | 0 / 17 | 0.05 | 0.025 |
| gamma-Chlordane | 0.0014 | J | 0.0014 | J | SW-11-01 | 1 / 17 | 0.05 | 0.024 |
| Heptachlor | | | | | | 0 / 17 | 0.05 | 0.025 |
| Heptachlor epoxide | 0.0011 | J | 0.0019 | J | SW-12-01 | 3 / 17 | 0.05 | 0.021 |
| Methoxychlor | 0.015 | J | 0.015 | J | SW-11-01 | 1 / 17 | 0.5 | 0.24 |
| Toxaphene | | | | | | 0 / 17 | 5 | 2.5 |
| Metals - ug/L | | | | | | | | |
| Aluminum | 27.3 | | 2180 | | SW-10-01 | 15 / 17 | 31.1 - 36.9 | 253 |
| Antimony | 1.3 | | 1.5 | | SW-10-01 | 2 / 17 | 1.1 - 1.2 | 0.68 |
| Arsenic | 2.8 | | 77.1 | | SW-10-01 | 13 / 17 | 3.4 - 13.9 | 14 |
| Barium | 29.2 | | 54.4 | | SW-10-01 | 17 / 17 | N/A | 37 |
| Beryllium | 0.043 | | 0.18 | | SW-10-01 | 3 / 17 | 0.035 - 0.1 | 0.051 |
| Cadmium | 0.16 | | 2.5 | | SW-10-01 | 3 / 17 | 0.099 - 1.5 | 0.30 |
| Calcium | 28100 | | 87200 | | SW-14-01 | 17 / 17 | N/A | 56115 |
| Chromium | 0.72 | | 146 | | SW-10-01 | 17 / 17 | N/A | 13 |
| Cobalt | 0.43 | | 4.8 | | SW-10-01 | 8 / 17 | 0.4 - 1.5 | 0.90 |
| Copper | 1.7 | | 111 | | SW-10-01 | 17 / 17 | N/A | 12 |
| Cyanide | | | | | | 0 / 17 | 5 | 2.5 |
| Iron | 304 | | 8470 | | SW-10-01 | 17 / 17 | N/A | 1561 |
| Lead | 0.93999 | | 75.9 | J | SW-10-01 | 11 / 17 | 0.74 - 0.85 | 7.4 |
| Magnesium | 5030 | | 12100 | | SW-12-01 | 17 / 17 | N/A | 8527 |
| Manganese | 70.9 | | 777.5 | | SW-16-01 | 17 / 17 | N/A | 422 |
| Mercury | 0.04 | J | 0.88 | | SW-10-01 | 8 / 17 | 0.08 - 0.2 | 0.15 |
| Nickel | 0.89 | | 6.2 | | SW-10-01 | 17 / 17 | N/A | 2.1 |
| Potassium | 3850 | | 8040 | | SW-12-01 | 17 / 17 | N/A | 5745 |
| Selenium | | | | | | 0 / 17 | 1.5 - 1.8 | 0.79 |
| Silver | | | | | | 0 / 17 | 0.4 - 0.75 | 0.32 |
| Sodium | 49000 | | 73200 | | SW-12-01 | 17 / 17 | N/A | 62821 |
| Thallium | | | | | | 0 / 17 | 1.5 - 1.7 | 0.82 |
| Vanadium | 0.4925 | J | 7.4 | | SW-10-01 | 14 / 17 | 0.55 - 1.2 | 1.4 |
| Zinc | 10.8 | | 626 | J | SW-10-01 | 16 / 17 | 4 | 72 |
| Total Suspended Solids (mg/L) | 2.6 | | 104 | | SW-10-01 | 17 / 17 | N/A | 12 |
| Dissolved Organic Carbon (mg/L) | 4.9 | | 9.3 | | SW-12-01 | 17 / 17 | N/A | 7.2 |
| Total Dissolved Solids (mg/L) | 219 | | 935 | | SW-01-01 | 17 / 17 | N/A | 458 |
| Alkalinity (as CaCO3) (mg/L) | 49 | | 138 | | SW-14-01 | 17 / 17 | N/A | 81 |
| Chloride (mg/L) | 78.9 | | 114 | | SW-14-01 | 17 / 17 | N/A | 102 |
| Nitrate/Nitrite Nitrogen (mg/L) | 0.62 | | 5.1 | | SW-08-01 | 17 / 17 | N/A | 2.0 |
| Sulfate (mg/L) | 35 | | 248.5 | | SW-14-01 | 17 / 17 | N/A | 125 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-33**
**SURFACE WATER DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SW-01-01 | SW-02-01 | SW-03-01 | SW-04-01 | SW-05-01 | SW-06-01 | SW-07-01 | SW-08-01 | SW-09-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/L) | | | | | | | | | |
| Chloroform | 1 U | 1 U | 1 U | 1 U | 1 J | 1 U | 1 U | 1 U | 1 U |
| cis-1,2-Dichloroethene | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 3 |
| Tetrachloroethene | 1 U | 1 U | 1 U | 1 U | 2 | 1 U | 1 U | 1 U | 1 U |
| Trichloroethene | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 2 |
| SVOCs (ug/L) | | | | | | | | | |
| No Detections | | | | | | | | | |
| PCB/Pesticides (ug/L) | | | | | | | | | |
| alpha-Chlordane | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| Endosulfan II | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| gamma-Chlordane | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| Heptachlor epoxide | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| Methoxychlor | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 U | 0.5 U |
| Metals (ug/L) | | | | | | | | | |
| Aluminum | 426 | 50.4 | 298 | 47.7 | 27.3 | 199 | 129 | 40.2 | 55.3 |
| Antimony | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.3 | 1.2 U | 1.2 U |
| Arsenic | 3.1 | 2.8 | 5.2 | 6.5 U | 3.4 UJ | 6.5 U | 13.9 U | 6.8 | 11.5 |
| Barium | 29.6 | 34.5 | 41.9 | 44.4 | 50.3 | 32 | 33.9 | 29.2 | 31.3 |
| Beryllium | 0.035 U | 0.035 U | 0.035 U | 0.11 | 0.059 UJ | 0.097 U | 0.1 U | 0.095 U | 0.093 U |
| Cadmium | 0.099 U | 0.1 U | 0.099 U | 0.099 U | 0.099 U | 0.099 U | 0.099 U | 1.4 U | 1.5 UJ |
| Calcium | 28100 | 28800 | 28900 | 32600 | 41800 | 42500 | 45300 | 49200 | 53200 |
| Chromium | 1.5 | 0.72 | 3.7 | 0.75 | 0.85 | 4.3 | 3.1 | 2.2 | 4.3 |
| Cobalt | 0.43 | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.88 UJ | 0.96 UJ | 0.61 UJ | 1.5 U |
| Copper | 6.8 | 2.2 | 6 | 2.5 | 1.7 | 5.2 | 3.6 | 3.3 | 4.5 |
| Iron | 703 | 304 | 1080 | 544 | 376 | 1180 | 1920 | 693 | 1000 |
| Lead | 4.1 J | 0.85 UJ | 7.5 J | 1.7 | 0.84 U | 5.7 | 4.3 | 0.85 U | 1.8 |
| Magnesium | 5030 | 5060 | 5120 | 5710 | 7290 | 6830 | 7400 | 8040 | 8360 |
| Manganese | 70.9 | 97.4 | 221 | 317 | 320 | 504 | 585 | 356 J | 644 J |
| Mercury | 0.04 J | 0.062 J | 0.069 J | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.22 J | 0.2 UJ | 0.2 U |
| Nickel | 2 | 0.89 | 1.5 | 1.1 | 1.3 | 1.9 | 1.7 | 1.3 | 1.4 |
| Potassium | 4160 J | 4070 J | 4070 J | 3850 | 4560 | 5180 | 5050 | 5240 | 5330 |
| Sodium | 62600 | 58900 | 49000 | 51200 | 65900 | 59800 | 54500 | 58800 | 61100 |
| Vanadium | 1.3 | 0.58 | 1.3 | 0.55 U | 0.68 | 1.5 | 1.9 | 1.1 U | 1.2 U |
| Zinc | 45.5 | 4 U | 29.4 | 12.4 | 10.8 | 29.8 | 18.9 | 37.7 | 46.2 |
| Total Suspended Solids (mg/L) | 3 | 4.7 | 9.1 | 12 | 2.6 | 8.1 | 11.8 | 3.4 | 9.9 |
| Dissolved Organic Carbon (mg/L) | 6.8 | 7.1 | 8 | 7.1 | 5.7 | 6 | 7.6 | 4.9 | 5.6 |
| Total Dissolved Solids (mg/L) | 935 | 268 | 249 | 467 | 340 | 338 | 358 | 219 | 430 |
| Alkalinity (as $CaCO_3$) (mg/L) | 51 | 50 | 52 | 53 | 71 | 67 | 59 | 49 | 70 |
| Chloride (mg/L) | 95.4 | 85.1 | 78.9 | 86.9 | 111 | 102 | 97.8 | 99.5 | 101 |
| Nitrate/Nitrite Nitrogen (mg/L) | 1.1 | 0.89 | 0.9 | 0.62 | 2.1 | 2.2 | 2.9 | 5.1 | 2.8 |
| Sulfate (mg/L) | 40 | 35 | 54 | 49 | 48 | 70 | 88 | 87 | 123 |
| Hardness (as $CaCO_3$) (mg/L) calc. | 91 | 93 | 93 | 105 | 134 | 134 | 144 | 156 | 167 |

**TABLE 2-33**
**SURFACE WATER DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SW-10-01 | SW-11-01 | SW-12-01 | SW-13-01 | SW-14-01 | SW-15-01 | SW-16-01 | SW-18-01 |
|---|---|---|---|---|---|---|---|---|
| VOCs (ug/L) | | | | | | | | |
| Chloroform | 1 U | 1 U | 1 U | NA | 1 U | 1 U | 1 U | 1 U |
| cis-1,2-Dichloroethene | 1 U | 1 | 1 U | NA | 1 U | 1 U | 4 | 1 U |
| Tetrachloroethene | 1 U | 1 U | 1 U | NA | 1 U | 1 U | 1 U | 1 U |
| Trichloroethene | 1 U | 1 U | 1 U | NA | 1 U | 1 U | 2 | 1 U |
| SVOCs (ug/L) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/L) | | | | | | | | |
| alpha-Chlordane | 0.05 U | 0.05 U | 0.0021 J | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 UJ |
| Endosulfan II | 0.1 U | 0.1 U | 0.1 U | 0.0015 J | 0.1 U | 0.1 U | 0.1 U | 0.1 UJ |
| gamma-Chlordane | 0.05 U | 0.0014 J | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 UJ |
| Heptachlor epoxide | 0.05 U | 0.0014 J | 0.0019 J | 0.0011 J | 0.05 U | 0.05 U | 0.05 U | 0.05 UJ |
| Methoxychlor | 0.5 U | 0.015 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 UJ |
| Metals (ug/L) | | | | | | | | |
| Aluminum | 2180 | 37.9 | 70.9 | 279 | 36.9 U | 31.1 U | 325.5 | 101 |
| Antimony | 1.5 | 1.2 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U |
| Arsenic | 77.1 | 12.7 | 22.7 | 21.5 | 13.4 | 11.6 | 19.75 | 13.1 |
| Barium | 54.4 | 33.2 | 35.8 | 37.9 | 35.4 | 33.5 | 35.75 | 31.2 |
| Beryllium | 0.18 | 0.035 U | 0.1 U | 0.099 U | 0.1 U | 0.099 U | .043 | 0.1 U |
| Cadmium | 2.5 | 0.1 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | .23 | 0.16 |
| Calcium | 67700 | 70100 | 86200 | 78700 | 87200 | 80100 | 56750 | 76800 |
| Chromium | 146 | 2.7 | 5.8 | 10.9 | 2.4 | 2.2 | 12.1 | 10.5 |
| Cobalt | 4.8 | 1.5 U | 0.79 | 1 | 1.15 | 0.68999 | 1.9 | 1.1 |
| Copper | 111 | 4.1 | 5.8 | 14.1 | 3.6 | 3.7 | 13.75 | 8.5 |
| Iron | 8470 | 1150 | 1580 | 1980 | 1595 | 972 | 1935 | 1060 |
| Lead | 75.9 J | 0.85 U | 0.93999 | 9.5 | 0.75 U | 0.74 U | 7.7 J | 4 |
| Magnesium | 10100 | 10100 | 12100 | 10800 | 11950 | 11100 | 8970 | 11000 |
| Manganese | 691 | 336 | 506 | 493 | 616 | 316 | 777.5 | 330 |
| Mercury | 0.88 | 0.095 U | 0.08 U | 0.26 | 0.08 U | 0.12 | 0.1475 J | 0.08 U |
| Nickel | 6.2 | 2 | 2.5 | 2.4 | 2.5 | 2.2 | 2.2 | 2.1 |
| Potassium | 6420 | 5970 | 8040 | 7590 | 7895 | 7470 | 5130 | 7640 |
| Sodium | 66000 | 67500 | 73200 | 68200 | 72500 | 69000 | 61750 | 68000 |
| Vanadium | 7.4 | 0.79 | 0.84 | 1.4 | 0.4925 J | 0.73 | 1.65 | 1.5 |
| Zinc | 626 J | 33 J | 47.7 J | 64.3 J | 47.9 J | 27.4 J | 91.75 J | 48.2 J |
| Total Suspended Solids (mg/L) | 104 | 3.1 | 4 | 2.8 | 4.9 | 2.9 | 16.2 | 9.1 |
| Dissolved Organic Carbon (mg/L) | 6.9 | 7.1 | 9.3 | 8.7 | 8.85 | 8.2 | 5.4 | 8.5 |
| Total Dissolved Solids (mg/L) | 519 | 511 | 598 | 555 | 508.5 | 491 | 443 | 552 |
| Alkalinity (as $CaCO_3$) (mg/L) | 81 | 96 | 123 | 120 | 138 | 122 | 70 | 104 |
| Chloride (mg/L) | 106 | 110 | 113 | 111 | 114 | 111 | 103.5 | 114 |
| Nitrate/Nitrite Nitrogen (mg/L) | 2.2 | 2.3 | 2.6 | 1.3 | 1.15 | 1.5 | 3.05 | 1 |
| Sulfate (mg/L) | 135 | 132 | 244 | 230 | 248.5 | 228 | 109 | 203 |
| Hardness (as $CaCO_3$) (mg/L) calc. | 211 | 217 | 265 | 241 | 267 | 246 | 179 | 237 |

**TABLE 2-34**
**SEDIMENT DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,1-Dichloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,1-Dichloroethene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,2-Dichloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 1,2-Dichloropropane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 2-Butanone | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 2-Hexanone | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| 4-Methyl-2-pentanone | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Acetone | | | | | | 0 / 2 | 20 - 33 | 13 |
| Benzene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Bromodichloromethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Bromoform | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Bromomethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Carbon Disulfide | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Carbon Tetrachloride | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Chlorobenzene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Chloroethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Chloroform | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Chloromethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Dibromochloromethane | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Ethylbenzene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Methylene Chloride | | | | | | 0 / 2 | 14 - 20 | 8.5 |
| Styrene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Tetrachloroethene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Toluene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Trichloroethene | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Vinyl Chloride | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| Xylenes (total) | | | | | | 0 / 2 | 14 - 18 | 8.0 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 2 | 460 - 600 | 265 |
| 1,2-Dichlorobenzene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 1,3-Dichlorobenzene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 1,4-Dichlorobenzene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2-Chlorophenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2-Methylnaphthalene | 67 | J | 67 | J | SD-23-02-FW | 1 / 2 | 600 | 184 |
| 2-Methylphenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 2-Nitroaniline | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 2-Nitrophenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 460 - 600 | 265 |
| 3-Nitroaniline | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 460 - 600 | 265 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 4-Chloroaniline | | | | | | 0 / 2 | 460 - 600 | 265 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 460 - 600 | 265 |

**TABLE 2-34**
**SEDIMENT DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| 4-Nitroaniline | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| 4-Nitrophenol | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| Acenaphthene | 120 | J | 120 | J | SD-23-02-FW | 1 / 2 | 600 | 210 |
| Acenaphthylene | 450 | J | 450 | J | SD-23-02-FW | 1 / 2 | 600 | 375 |
| Anthracene | 530 | | 530 | | SD-23-02-FW | 1 / 2 | 600 | 415 |
| Benzo(a)anthracene | 1800 | | 1800 | | SD-23-02-FW | 1 / 2 | 600 | 1050 |
| Benzo(a)pyrene | 1700 | | 1700 | | SD-23-02-FW | 1 / 2 | 600 | 1000 |
| Benzo(b)fluoranthene | 2300 | | 2300 | | SD-23-02-FW | 1 / 2 | 600 | 1300 |
| Benzo(g,h,i)perylene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Benzo(k)fluoranthene | 2100 | | 2100 | | SD-23-02-FW | 1 / 2 | 600 | 1200 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 460 - 600 | 265 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 460 - 600 | 265 |
| bis(2-Ethylhexyl)phthalate | 120 | J | 120 | J | SD-23-02-FW | 1 / 2 | 600 | 210 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 460 - 600 | 265 |
| Carbazole | | | | | | 0 / 2 | 460 - 600 | 265 |
| Chrysene | 2000 | | 2000 | | SD-23-02-FW | 1 / 2 | 600 | 1150 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 460 - 600 | 265 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 460 - 600 | 265 |
| Dibenz(a,h)anthracene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Dibenzofuran | | | | | | 0 / 2 | 460 - 600 | 265 |
| Diethylphthalate | 48 | J | 170 | J | SD-23-03-FW | 2 / 3 | 600 | 173 |
| Dimethylphthalate | | | | | | 0 / 2 | 460 - 600 | 265 |
| Fluoranthene | 71 | J | 3100 | | SD-23-02-FW | 2 / 2 | N/A | 1586 |
| Fluorene | 340 | J | 340 | J | SD-23-02-FW | 1 / 2 | 600 | 320 |
| Hexachlorobenzene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 460 - 600 | 265 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Hexachloroethane | | | | | | 0 / 2 | 460 - 600 | 265 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Isophorone | | | | | | 0 / 2 | 460 - 600 | 265 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 460 - 600 | 265 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 460 - 600 | 265 |
| Naphthalene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Nitrobenzene | | | | | | 0 / 2 | 460 - 600 | 265 |
| Pentachlorophenol | | | | | | 0 / 2 | 1200 - 1500 | 675 |
| Phenanthrene | 3000 | | 3000 | | SD-23-02-FW | 1 / 2 | 600 | 1650 |
| Phenol | | | | | | 0 / 2 | 460 - 600 | 265 |
| Pyrene | 81 | J | 3600 | | SD-23-02-FW | 2 / 2 | N/A | 1841 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 60 | | 84 | J | SD-23-02-FW | 2 / 2 | N/A | 72 |
| 4,4'-DDE | 11 | | 17 | J | SD-23-02-FW | 2 / 2 | N/A | 14 |
| 4,4'-DDT | 22 | J | 22 | J | SD-23-02-FW | 1 / 2 | 6 | 13 |
| Aldrin | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| alpha-BHC | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| alpha-Chlordane | | | | | | 0 / 2 | 3.1 - 4.6 | 1.9 |
| Aroclor 1016 | | | | | | 0 / 2 | 46 - 60 | 27 |
| Aroclor 1221 | | | | | | 0 / 2 | 93 - 120 | 53 |
| Aroclor 1232 | | | | | | 0 / 2 | 46 - 60 | 27 |
| Aroclor 1242 | | | | | | 0 / 2 | 46 - 60 | 27 |
| Aroclor 1248 | | | | | | 0 / 2 | 46 - 60 | 27 |
| Aroclor 1254 | | | | | | 0 / 2 | 46 - 60 | 27 |
| Aroclor 1260 | | | | | | 0 / 2 | 46 - 60 | 27 |
| beta-BHC | 0.75 | J | 0.75 | J | SD-23-01-FW | 1 / 2 | 2.4 | 1.0 |
| delta-BHC | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |

**TABLE 2-34**
**SEDIMENT DATA SUMMARY - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 1.1 | J | 1.1 | J | SD-23-01-FW | 1 / 2 | 4.6 | 1.7 |
| Endosulfan I | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| Endosulfan II | | | | | | 0 / 2 | 4.6 - 6 | 2.7 |
| Endosulfan sulfate | | | | | | 0 / 2 | 4.6 - 6 | 2.7 |
| Endrin | 1.6 | J | 1.6 | J | SD-23-02-FW | 1 / 2 | 6 | 2.3 |
| Endrin aldehyde | | | | | | 0 / 2 | 4.6 - 6 | 2.7 |
| Endrin ketone | | | | | | 0 / 2 | 4.6 - 6 | 2.7 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| gamma-Chlordane | 0.31 | J | 0.31 | J | SD-23-02-FW | 1 / 2 | 3.1 | 0.93 |
| Heptachlor | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| Heptachlor epoxide | | | | | | 0 / 2 | 2.4 - 3.1 | 1.4 |
| Methoxychlor | | | | | | 0 / 2 | 24 - 31 | 14 |
| Toxaphene | | | | | | 0 / 2 | 240 - 310 | 138 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1100 | | 5860 | J | SD-23-03-FW | 3 / 3 | N/A | 4023 |
| Antimony | 0.74 | J | 1.7 | J | SD-23-03-FW | 2 / 3 | 0.45 | 0.89 |
| Arsenic | 5.2 | | 17.8 | | SD-23-02-FW | 3 / 3 | N/A | 13 |
| Barium | 5.7 | | 25.8 | J | SD-23-03-FW | 3 / 3 | N/A | 18 |
| Beryllium | 0.31 | | 1 | J | SD-23-03-FW | 2 / 3 | 0.19 | 0.47 |
| Cadmium | 0.08699 | | 0.9 | J | SD-23-03-FW | 3 / 3 | N/A | 0.36 |
| Calcium | 622 | | 6410 | J | SD-23-03-FW | 3 / 3 | N/A | 2652 |
| Chromium | 13.7 | J | 29.1 | J | SD-23-01-FW | 3 / 3 | N/A | 22 |
| Cobalt | 0.76 | | 3.2 | | SD-23-02-FW | 3 / 3 | N/A | 2.0 |
| Copper | 1.9 | | 9.5 | | SD-23-02-FW | 3 / 3 | N/A | 6.8 |
| Cyanide | | | | | | 0 / 2 | 0.56 - 0.82 | 0.35 |
| Iron | 2040 | | 9220 | | SD-23-02-FW | 3 / 3 | N/A | 4920 |
| Lead | 5.6 | J | 19.7 | | SD-23-02-FW | 3 / 3 | N/A | 11 |
| Magnesium | 324 | | 2230 | | SD-23-02-FW | 3 / 3 | N/A | 1137 |
| Manganese | 12.6 | J | 133 | J | SD-23-03-FW | 3 / 3 | N/A | 79 |
| Mercury | 0.068 | J | 0.07 | J | SD-23-01-FW | 2 / 2 | N/A | 0.069 |
| Nickel | 1.1 | | 8.3 | | SD-23-02-FW | 3 / 3 | N/A | 4.3 |
| Potassium | 126 | | 780 | | SD-23-02-FW | 3 / 3 | N/A | 360 |
| Selenium | 3 | J | 3 | J | SD-23-03-FW | 1 / 3 | 0.56 - 0.89 | 1.2 |
| Silver | | | | | | 0 / 2 | 0.28 - 0.44 | 0.18 |
| Sodium | 66.5 | | 264 | J | SD-23-03-FW | 3 / 3 | N/A | 151 |
| Thallium | | | | | | 0 / 2 | 0.65 - 1 | 0.41 |
| Vanadium | 2.5 | | 18 | J | SD-23-03-FW | 3 / 3 | N/A | 11 |
| Zinc | 10.4 | J | 30.6 | | SD-23-02-FW | 3 / 3 | N/A | 18 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.33 | | 0.33 | | SD-23-03-FW | 1 / 3 | 0.1 - 0.14 | 0.15 |
| Copper | 13 | J | 13 | J | SD-23-02-FW | 1 / 3 | 0.96 - 21.7 | 8.0 |
| Lead | 11 | J | 20 | J | SD-23-03-FW | 2 / 3 | 1.8 | 11 |
| Mercury | | | | | | 0 / 3 | 0.003 - 0.01 | 0.0028 |
| Nickel | | | | | | 0 / 3 | 1.2 - 233 | 50 |
| SEM/AVS Ratio | 0 | | 0.33 | | SD-23-03-FW | 3 / 3 | N/A | 0.13 |
| Sulfide | 9.6 | | 141 | | SD-23-02-FW | 3 / 3 | N/A | 60 |
| Zinc | | | | | | 0 / 3 | 4.3 - 43.8 | 11 |
| Total Combustible Organics (mg/Kg) | 4800 | | 427000 | | SD-23-03-FW | 3 / 3 | N/A | 152033 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-35**
**SEDIMENT DATA SUMMARY - STATION 24**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 9 | 4.5 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 13 - 69 | 14 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 13 - 23 | 7.9 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 13 - 23 | 7.9 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 13 - 69 | 14 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 13 - 69 | 14 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 13 - 69 | 14 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 2-Butanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 2-Hexanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Acetone | | | | | | 0 / 3 | 13 - 14 | 6.8 |
| Benzene | | | | | | 0 / 4 | 9 - 14 | 6.1 |
| Bromodichloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Bromoform | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Bromomethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Carbon Disulfide | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chlorobenzene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chloroform | | | | | | 0 / 4 | 13 - 23 | 7.9 |
| Chloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 23 | 12 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Dibromochloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Ethylbenzene | | | | | | 0 / 4 | 9 - 14 | 6.1 |
| Methylene chloride | | | | | | 0 / 4 | 13 - 69 | 14 |
| Naphthalene | | | | | | 0 / 1 | 69 | 35 |
| Styrene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Tetrachloroethene | | | | | | 0 / 4 | 13 - 69 | 14 |
| Toluene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 69 | 35 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Trichloroethene | | | | | | 0 / 4 | 13 - 23 | 7.9 |
| Vinyl chloride | | | | | | 0 / 4 | 13 - 69 | 14 |
| Xylene, m/p- | | | | | | 0 / 1 | 23 | 12 |
| Xylene, o- | | | | | | 0 / 1 | 23 | 12 |
| Xylenes (total) | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2-Chlorophenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2-Methylnaphthalene | 23 | J | 360 | J | SD-24-02-FW | 2 / 4 | 67 - 460 | 206 |
| 2-Methylphenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| 2-Nitrophenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1100 - 5400 | 1283 |

# TABLE 2-35
## SEDIMENT DATA SUMMARY - STATION 24
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 4-Chloroaniline | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 4-Methylphenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| Acenaphthene | 50 | J | 1400 | J | SD-24-02-FW | 3 / 4 | 67 - 420 | 445 |
| Acenaphthylene | 44 | J | 800 | J | SD-24-02-FW | 3 / 4 | 67 - 420 | 278 |
| Anthracene | 48 | J | 1900 | J | SD-24-02-FW | 4 / 4 | 67 | 574 |
| Benzo(a)anthracene | 440 | J | 5900 | | SD-24-02-FW | 4 / 4 | 67 | 1955 |
| Benzo(a)pyrene | 350 | J | 5500 | | SD-24-02-FW | 4 / 4 | 67 | 1760 |
| Benzo(b)fluoranthene | 740 | | 10000 | | SD-24-02-FW | 4 / 4 | 67 | 3180 |
| Benzo(g,h,i)perylene | 210 | J | 920 | J | SD-24-02-FW | 3 / 4 | 67 - 460 | 478 |
| Benzo(k)fluoranthene | 400 | | 9600 | | SD-24-02-FW | 4 / 4 | 67 | 2948 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 420 - 2100 | 497 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 420 - 2100 | 497 |
| bis(2-Ethylhexyl)phthalate | 400 | J | 430 | J | SD-24-03-FW | 2 / 3 | 2100 | 627 |
| Butylbenzylphthalate | 47 | J | 87 | J | SD-24-03-FW | 2 / 3 | 2100 | 395 |
| Carbazole | 48 | J | 990 | J | SD-24-02-FW | 2 / 3 | 460 | 423 |
| Chrysene | 520 | | 7300 | | SD-24-02-FW | 4 / 4 | 67 | 2323 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Dibenz(a,h)anthracene | 120 | J | 500 | J | SD-24-02-FW | 2 / 4 | 67 - 460 | 265 |
| Dibenzofuran | 1000 | J | 1000 | J | SD-24-02-FW | 1 / 3 | 420 - 460 | 480 |
| Diethylphthalate | 230 | J | 230 | J | SD-24-02-FW | 1 / 3 | 420 - 460 | 223 |
| Dimethylphthalate | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Fluoranthene | 840 | | 15000 | | SD-24-02-FW | 4 / 4 | 67 | 4830 |
| Fluorene | 44 | J | 2800 | | SD-24-02-FW | 4 / 4 | 67 | 766 |
| Hexachlorobenzene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Hexachloroethane | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Indeno(1,2,3-cd)pyrene | 210 | J | 1700 | J | SD-24-02-FW | 3 / 4 | 67 - 460 | 690 |
| Isophorone | | | | | | 0 / 3 | 420 - 2100 | 497 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 420 - 2100 | 497 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Naphthalene | 23 | J | 520 | J | SD-24-02-FW | 2 / 4 | 67 - 460 | 246 |
| Nitrobenzene | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Pentachlorophenol | | | | | | 0 / 3 | 1100 - 5400 | 1283 |
| Phenanthrene | 290 | J | 12000 | | SD-24-02-FW | 4 / 4 | 67 | 3513 |
| Phenol | | | | | | 0 / 3 | 420 - 2100 | 497 |
| Pyrene | 680 | | 11000 | | SD-24-02-FW | 4 / 4 | 67 | 3738 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 3.2 | 1.6 |
| 4,4'-DDD | 35 | | 390 | | SD-24-03-ME | 4 / 4 | 3.2 | 141 |
| 4,4'-DDE | 5.8 | | 37 | | SD-24-03-ME | 4 / 4 | 3.2 | 17 |
| 4,4'-DDT | 20 | | 130 | | SD-24-02-FW | 4 / 4 | 3.2 | 50 |
| Aldrin | 0.29 | J | 1.6 | J | SD-24-02-FW | 3 / 4 | 1.6 | 0.81 |
| alpha-BHC | 0.31 | J | 0.31 | J | SD-24-02-FW | 1 / 4 | 1.6 - 2.4 | 0.85 |
| alpha-Chlordane | 2 | J | 5.3 | | SD-24-03-FW | 2 / 4 | 1.6 - 2.4 | 2.4 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.2 - 46 | 17 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.4 - 94 | 34 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.2 - 46 | 17 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.2 - 46 | 17 |
| Aroclor 1248 | 290 | J | 290 | J | SD-24-03-ME | 1 / 4 | 3.2 - 46 | 89 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.2 - 46 | 17 |
| Aroclor 1260 | 200 | | 200 | | SD-24-03-ME | 1 / 4 | 3.2 - 46 | 66 |
| beta-BHC | 0.4 | J | 0.4 | J | SD-24-01-FW | 1 / 4 | 1.6 - 2.2 | 0.85 |

# TABLE 2-35
# SEDIMENT DATA SUMMARY - STATION 24
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | | | | | | 0 / 4 | 1.6 - 2.4 | 1.1 |
| Dieldrin | 1.5 | J | 18 | | SD-24-02-FW | 2 / 4 | 3.2 - 4.2 | 5.8 |
| Endosulfan I | 0.22 | J | 0.22 | J | SD-24-03-FW | 1 / 4 | 1.6 - 2.4 | 0.83 |
| Endosulfan II | 2.3 | J | 7.1 | | SD-24-02-FW | 2 / 4 | 3.2 - 4.6 | 3.3 |
| Endosulfan Sulfate | 6.6 | | 6.6 | | SD-24-01-FW | 1 / 4 | 3.2 - 4.3 | 3.1 |
| Endrin | 0.3 | J | 5.1 | | SD-24-02-FW | 2 / 4 | 3.2 - 4.6 | 2.3 |
| Endrin Aldehyde | 1.1 | J | 5.9 | J | SD-24-03-ME | 2 / 4 | 3.2 - 4.6 | 2.9 |
| Endrin Ketone | 2.7 | J | 4.3 | | SD-24-02-FW | 2 / 4 | 3.2 - 4.2 | 2.7 |
| gamma-BHC (Lindane) | 1.9 | J | 1.9 | J | SD-24-02-FW | 1 / 4 | 1.6 - 2.4 | 1.3 |
| gamma-Chlordane | 1.5 | J | 4.6 | | SD-24-03-FW | 3 / 4 | 1.6 - 2.4 | 2.9 |
| Heptachlor | 0.84 | J | 0.84 | J | SD-24-02-FW | 1 / 4 | 1.6 - 2.4 | 1.0 |
| Heptachlor Epoxide | 0.48 | J | 1.4 | J | SD-24-02-FW | 2 / 4 | 1.6 - 2.4 | 1.0 |
| Methoxychlor | | | | | | 0 / 4 | 16 - 24 | 11 |
| Toxaphene | | | | | | 0 / 4 | 160 - 240 | 105 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2560 | | 13700 | | SD-24-03-FW | 4 / 4 | 3.5 | 7180 |
| Antimony | 0.5 | J | 1.2 | J | SD-24-03-ME | 2 / 4 | 0.067 - 1.4 | 0.66 |
| Arsenic | 3.8 | | 40.6 | | SD-24-03-FW | 4 / 4 | 0.22 | 20 |
| Barium | 13.3 | | 67.3 | | SD-24-03-FW | 4 / 4 | 0.018 | 35 |
| Beryllium | 0.8 | J | 1.2 | | SD-24-03-FW | 2 / 4 | 0.027 - 0.22 | 0.55 |
| Cadmium | 0.22 | | 2 | | SD-24-03-ME | 4 / 4 | 0.35 | 0.86 |
| Calcium | 610 | | 3030 | | SD-24-03-FW | 4 / 4 | 1.6 | 1765 |
| Chromium | 10.3 | J | 410 | J | SD-24-03-ME | 4 / 4 | 0.055 | 179 |
| Cobalt | 1.9 | | 12.1 | J | SD-24-03-ME | 4 / 4 | 0.37 | 6.2 |
| Copper | 11.6 | | 130 | | SD-24-03-ME | 4 / 4 | 0.082 | 61 |
| Cyanide | | | | | | 0 / 3 | 0.52 - 1.4 | 0.43 |
| Iron | 4790 | | 20900 | | SD-24-03-FW | 4 / 4 | 0.57 | 11403 |
| Lead | 73.9 | | 581 | | SD-24-03-FW | 4 / 4 | 0.27 | 326 |
| Magnesium | 1140 | | 4370 | | SD-24-03-FW | 4 / 4 | 3.5 | 2560 |
| Manganese | 50.4 | J | 230 | J | SD-24-03-FW | 4 / 4 | 0.018 | 120 |
| Mercury | 0.021 | J | 0.71 | | SD-24-03-ME | 4 / 4 | 0.005 | 0.37 |
| Nickel | 6 | | 26.1 | | SD-24-03-FW | 4 / 4 | 0.15 | 16 |
| Potassium | 424 | | 1170 | J | SD-24-03-ME | 4 / 4 | 2.7 | 752 |
| Selenium | 0.91 | J | 2.1 | | SD-24-03-FW | 2 / 4 | 0.053 - 0.6 | 0.89 |
| Silver | 2.5 | J | 2.9 | | SD-24-03-FW | 2 / 4 | 0.01 - 0.3 | 1.4 |
| Sodium | 102 | | 516 | | SD-24-03-ME | 4 / 4 | 0.22 | 277 |
| Thallium | | | | | | 0 / 4 | 0.038 - 2 | 0.42 |
| Vanadium | 7.1 | | 148 | | SD-24-03-FW | 4 / 4 | 0.073 | 62 |
| Zinc | 47 | | 251 | J | SD-24-03-ME | 4 / 4 | 0.16 | 119 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 1 | 3.745 | 1.9 |
| Cadmium | 0.13 | | 6.0 | | SD-24-02-FW | 3 / 4 | 5.6 | 2.5 |
| Copper | 7.2 | J | 94 | J | SD-24-03-FW | 3 / 4 | 3.175 | 29 |
| Lead | 81 | J | 522 | J | SD-24-03-FW | 4 / 4 | N/A | 265 |
| Mercury | | | | | | 0 / 4 | 0.003 - 10.03 | 1.3 |
| Nickel | 22 | J | 22 | J | SD-24-03-ME | 1 / 4 | 2.4 - 109 | 24 |
| SEM/AVS Ratio | 0.042 | | 18 | | SD-24-03-FW | 4 / 4 | N/A | 4.7 |
| Sulfide | 29 | | 880 | | SD-24-02-FW | 4 / 4 | N/A | 339 |
| Zinc | 38 | J | 243 | J | SD-24-03-ME | 4 / 4 | N/A | 117 |
| Total Combustible Organics (mg/Kg) | 2810 | | 183000 | | SD-24-03-FW | 4 / 4 | 2000 | 89178 |

N/A = Not Applicable or Not Available

J = Estimated Value

# TABLE 2-36
## SEDIMENT DATA SUMMARY - STATION 25
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 13 - 36 | 11 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 12 - 19 | 7.8 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 12 - 19 | 7.8 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 13 - 36 | 11 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 13 - 36 | 11 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 13 - 36 | 11 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| 2-Butanone | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| 2-Hexanone | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Acetone | 23 | J | 51 | J | SD-25-02-FW | 2 / 3 | 13 | 27 |
| Benzene | 4 | J | 4 | J | SD-25-02-ME | 1 / 4 | 5 - 19 | 7.3 |
| Bromodichloromethane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Bromoform | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Bromomethane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Carbon Disulfide | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Chlorobenzene | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Chloroethane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Chloroform | | | | | | 0 / 4 | 12 - 19 | 7.8 |
| Chloromethane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 12 | 6.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Dibromochloromethane | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Ethylbenzene | | | | | | 0 / 4 | 5 - 19 | 6.9 |
| Methylene chloride | | | | | | 0 / 4 | 13 - 36 | 11 |
| Naphthalene | | | | | | 0 / 1 | 36 | 18 |
| Styrene | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Tetrachloroethene | | | | | | 0 / 4 | 13 - 36 | 11 |
| Toluene | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 36 | 18 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| Trichloroethene | | | | | | 0 / 4 | 12 - 19 | 7.8 |
| Vinyl chloride | | | | | | 0 / 4 | 13 - 36 | 11 |
| Xylene, m/p- | | | | | | 0 / 1 | 12 | 6.0 |
| Xylene, o- | | | | | | 0 / 1 | 12 | 6.0 |
| Xylenes (total) | | | | | | 0 / 3 | 13 - 19 | 8.3 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2-Chlorophenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2-Methylnaphthalene | 22 | J | 22 | J | SD-25-02-ME | 1 / 4 | 67 - 3100 | 521 |
| 2-Methylphenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| 2-Nitrophenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1000 - 7400 | 1650 |

**TABLE 2-36**
**SEDIMENT DATA SUMMARY - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 4-Chloroaniline | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 4-Methylphenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| Acenaphthene | 69 | J | 69 | J | SD-25-02-ME | 1 / 4 | 67 - 3100 | 532 |
| Acenaphthylene | 22 | J | 22 | J | SD-25-02-ME | 1 / 4 | 67 - 3100 | 521 |
| Anthracene | 220 | J | 330 | | SD-25-02-ME | 2 / 4 | 67 - 3100 | 600 |
| Benzo(a)anthracene | 510 | J | 4900 | J | SD-25-02-FW | 4 / 4 | 67 | 1925 |
| Benzo(a)pyrene | 410 | J | 5100 | J | SD-25-02-FW | 4 / 4 | 67 | 1880 |
| Benzo(b)fluoranthene | 480 | J | 5800 | J | SD-25-02-FW | 4 / 4 | 67 | 2175 |
| Benzo(g,h,i)perylene | 190 | J | 2200 | J | SD-25-02-FW | 4 / 4 | 67 | 813 |
| Benzo(k)fluoranthene | 630 | J | 6700 | J | SD-25-02-FW | 4 / 4 | 67 | 2205 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 420 - 3100 | 687 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 420 - 3100 | 687 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Carbazole | 200 | J | 200 | J | SD-25-03-FW | 1 / 3 | 600 - 3100 | 683 |
| Chrysene | 500 | J | 5400 | J | SD-25-02-FW | 4 / 4 | 67 | 2025 |
| Di-n-butylphthalate | 150 | J | 180 | J | SD-25-01-FW | 2 / 3 | 3100 | 627 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Dibenz(a,h)anthracene | 130 | J | 1100 | J | SD-25-02-FW | 3 / 4 | 67 - 600 | 438 |
| Dibenzofuran | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Diethylphthalate | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Dimethylphthalate | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Fluoranthene | 1000 | J | 11000 | J | SD-25-02-FW | 4 / 4 | 67 | 4100 |
| Fluorene | 120 | | 120 | | SD-25-02-ME | 1 / 4 | 67 - 3100 | 545 |
| Hexachlorobenzene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Hexachloroethane | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Indeno(1,2,3-cd)pyrene | 270 | J | 3700 | J | SD-25-02-FW | 4 / 4 | 67 | 1263 |
| Isophorone | | | | | | 0 / 3 | 420 - 3100 | 687 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 420 - 3100 | 687 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Naphthalene | 32 | J | 32 | J | SD-25-02-ME | 1 / 4 | 67 - 3100 | 523 |
| Nitrobenzene | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Pentachlorophenol | | | | | | 0 / 3 | 1000 - 7400 | 1650 |
| Phenanthrene | 450 | J | 3100 | J | SD-25-02-FW | 4 / 4 | 67 | 1563 |
| Phenol | | | | | | 0 / 3 | 420 - 3100 | 687 |
| Pyrene | 1300 | J | 8100 | J | SD-25-02-FW | 3 / 4 | 67 - 750 | 3019 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 0.32 | 0.16 |
| 4,4'-DDD | 11 | J | 11 | J | SD-25-02-ME | 1 / 4 | 0.32 - 31 | 13 |
| 4,4'-DDE | 4.4 | J | 4.4 | J | SD-25-02-ME | 1 / 4 | 0.32 - 31 | 11 |
| 4,4'-DDT | 2.1 | J | 5.8 | J | SD-25-02-FW | 2 / 4 | 0.32 - 30 | 8.4 |
| Aldrin | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |
| alpha-BHC | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |
| alpha-Chlordane | 1.3 | J | 8.4 | J | SD-25-02-FW | 2 / 4 | 0.16 - 15 | 5.7 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.2 - 310 | 103 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.4 - 620 | 208 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.2 - 310 | 103 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.2 - 310 | 103 |
| Aroclor 1248 | 56 | J | 56 | J | SD-25-02-ME | 1 / 4 | 3.2 - 310 | 117 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.2 - 310 | 103 |
| Aroclor 1260 | 47 | | 47 | | SD-25-02-ME | 1 / 4 | 3.2 - 310 | 114 |
| beta-BHC | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |

**TABLE 2-36**
**SEDIMENT DATA SUMMARY - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |
| Dieldrin | 6.3 | J | 6.3 | J | SD-25-02-FW | 1 / 4 | 0.32 - 30 | 8.0 |
| Endosulfan I | 7.2 | J | 66 | J | SD-25-02-FW | 3 / 4 | 0.16 | 21 |
| Endosulfan II | 0.33 | J | 9.4 | J | SD-25-02-FW | 2 / 4 | 0.32 - 30 | 8.8 |
| Endosulfan Sulfate | 11 | J | 11 | J | SD-25-02-FW | 1 / 4 | 0.32 - 30 | 9.2 |
| Endrin | 0.98 | J | 0.98 | J | SD-25-02-ME | 1 / 4 | 0.32 - 31 | 10 |
| Endrin Aldehyde | 4.4 | J | 4.4 | J | SD-25-02-ME | 1 / 4 | 0.32 - 31 | 11 |
| Endrin Ketone | 9.1 | J | 9.1 | J | SD-25-02-FW | 1 / 4 | 0.32 - 30 | 8.7 |
| gamma-BHC (Lindane) | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |
| gamma-Chlordane | 1.3 | J | 1.3 | J | SD-25-02-ME | 1 / 4 | 0.16 - 16 | 5.6 |
| Heptachlor | | | | | | 0 / 4 | 0.16 - 16 | 5.3 |
| Heptachlor Epoxide | 0.36 | J | 0.36 | J | SD-25-02-ME | 1 / 4 | 0.16 - 16 | 5.3 |
| Methoxychlor | | | | | | 0 / 4 | 1.6 - 160 | 53 |
| Toxaphene | | | | | | 0 / 4 | 16 - 1600 | 527 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 7190 | | 13400 | | SD-25-02-FW | 4 / 4 | 3.4 | 10138 |
| Antimony | 0.64 | J | 1.7 | | SD-25-02-FW | 3 / 4 | 0.062 - 0.84 | 0.90 |
| Arsenic | 2.5 | | 16.2 | | SD-25-02-FW | 4 / 4 | 0.21 | 7.5 |
| Barium | 18 | | 50.5 | | SD-25-02-FW | 4 / 4 | 0.018 | 36 |
| Beryllium | 0.23 | | 0.52 | | SD-25-02-FW | 4 / 4 | 0.027 | 0.37 |
| Cadmium | 0.78 | J | 0.8 | | SD-25-02-FW | 2 / 4 | 0.0044 - 0.07 | 0.41 |
| Calcium | 1180 | | 4680 | | SD-25-02-FW | 4 / 4 | 1.6 | 2805 |
| Chromium | 13.4 | | 60.6 | | SD-25-02-FW | 4 / 4 | 0.053 | 31 |
| Cobalt | 6.1 | | 9.9 | | SD-25-02-FW | 4 / 4 | 0.36 | 7.9 |
| Copper | 18.4 | | 93.7 | | SD-25-02-FW | 4 / 4 | 0.08 | 50 |
| Cyanide | | | | | | 0 / 3 | 0.65 - 1.1 | 0.46 |
| Iron | 11200 | J | 19000 | J | SD-25-02-FW | 4 / 4 | 0.55 | 15325 |
| Lead | 55 | J | 755 | J | SD-25-02-FW | 4 / 4 | 0.26 | 337 |
| Magnesium | 3000 | | 5350 | | SD-25-02-FW | 4 / 4 | 0.8 | 3940 |
| Manganese | 87.1 | J | 190 | | SD-25-02-ME | 4 / 4 | 0.018 | 142 |
| Mercury | 0.081 | J | 0.55 | J | SD-25-02-FW | 4 / 4 | 0.005 | 0.23 |
| Nickel | 8.7 | | 17.1 | | SD-25-02-FW | 4 / 4 | 0.14 | 13 |
| Potassium | 804 | | 1690 | | SD-25-02-FW | 4 / 4 | 2.6 | 1167 |
| Selenium | 3.2 | J | 3.2 | J | SD-25-02-FW | 1 / 4 | 0.049 - 1.1 | 1.1 |
| Silver | 0.2 | J | 0.2 | J | SD-25-02-ME | 1 / 4 | 0.0088 - 0.68 | 0.23 |
| Sodium | | | | | | 0 / 4 | 0.21 - 187 | 55 |
| Thallium | 1 | | 2.2 | | SD-25-02-FW | 2 / 4 | 0.04 - 1.2 | 0.97 |
| Vanadium | 20.4 | | 39.5 | | SD-25-02-FW | 4 / 4 | 0.071 | 30 |
| Zinc | 35 | | 307 | | SD-25-02-FW | 4 / 4 | 0.16 | 146 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 1 | 3.745 | 1.9 |
| Cadmium | 0.83 | | 0.83 | | SD-25-02-FW | 1 / 4 | 0.1 - 5.6 | 0.94 |
| Copper | 7.0 | | 7.0 | | SD-25-02-ME | 1 / 4 | 31.1 - 70.5 | 22 |
| Lead | 38 | | 704 | | SD-25-02-FW | 4 / 4 | N/A | 308 |
| Mercury | 0.030 | | 0.030 | | SD-25-03-FW | 1 / 3 | 0.004 - 0.01 | 0.012 |
| Nickel | 2.9 | J | 2.9 | J | SD-25-02-ME | 1 / 4 | 94 - 151 | 50 |
| SEM/AVS Ratio | 1.2 | | 4.2 | | SD-25-02-FW | 4 / 4 | N/A | 2.3 |
| Sulfide | 9.6 | | 65 | | SD-25-02-ME | 4 / 4 | N/A | 35 |
| Zinc | 11 | | 137 | | SD-25-02-FW | 4 / 4 | N/A | 71 |
| Total Combustible Organics (mg/Kg) | 59200 | J | 59200 | J | SD-25-02-ME | 1 / 1 | 2000 | 59200 |
| Total Organic Carbon (mg/Kg) | 12000 | | 71600 | | SD-25-02-FW | 3 / 3 | N/A | 45400 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-37**
**SEDIMENT DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 2-Butanone | 17.5 | J | 17.5 | J | SD-26-02-FW | 1 / 3 | 17 - 18 | 12 |
| 2-Hexanone | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Acetone | 45 | J | 130 | J | SD-26-02-FW | 3 / 3 | N/A | 81 |
| Benzene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Bromodichloromethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Bromoform | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Bromomethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Carbon Disulfide | 3 | J | 3 | J | SD-26-02-FW | 1 / 3 | 17 - 18 | 6.8 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Chlorobenzene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Chloroethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Chloroform | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Chloromethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Dibromochloromethane | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Ethylbenzene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Methylene Chloride | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Styrene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Tetrachloroethene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Toluene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Trichloroethene | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Vinyl Chloride | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| Xylenes (total) | | | | | | 0 / 3 | 13 - 18 | 8.0 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 440 - 590 | 265 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2-Chlorophenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2-Methylnaphthalene | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2-Methylphenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 2-Nitrophenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 440 - 590 | 265 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 440 - 590 | 265 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 4-Chloroaniline | | | | | | 0 / 3 | 440 - 590 | 265 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 440 - 590 | 265 |

**TABLE 2-37**
**SEDIMENT DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| Acenaphthene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Acenaphthylene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Anthracene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Benzo(a)anthracene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Benzo(a)pyrene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Benzo(b)fluoranthene | 150 | J | 190 | J | SD-26-01-FW | 3 / 3 | N/A | 173 |
| Benzo(g,h,i)perylene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Benzo(k)fluoranthene | | | | | | 0 / 3 | 440 - 590 | 265 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 440 - 590 | 265 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 440 - 590 | 265 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 440 - 620 | 275 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 440 - 590 | 265 |
| Carbazole | | | | | | 0 / 3 | 440 - 590 | 265 |
| Chrysene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Di-n-butylphthalate | 170 | J | 240 | J | SD-26-03-FW | 3 / 3 | N/A | 197 |
| Di-n-octylphthalate | 220 | J | 220 | J | SD-26-02-FW | 1 / 3 | 560 - 590 | 265 |
| Dibenz(a,h)anthracene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Dibenzofuran | | | | | | 0 / 3 | 440 - 590 | 265 |
| Diethylphthalate | | | | | | 0 / 3 | 440 - 590 | 265 |
| Dimethylphthalate | | | | | | 0 / 3 | 440 - 590 | 265 |
| Fluoranthene | 190 | J | 250 | J | SD-26-01-FW | 3 / 3 | N/A | 217 |
| Fluorene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Hexachlorobenzene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 440 - 590 | 265 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Hexachloroethane | | | | | | 0 / 3 | 440 - 590 | 265 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Isophorone | | | | | | 0 / 3 | 440 - 590 | 265 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 440 - 590 | 265 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 440 - 590 | 265 |
| Naphthalene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Nitrobenzene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Pentachlorophenol | | | | | | 0 / 3 | 1100 - 1400 | 650 |
| Phenanthrene | | | | | | 0 / 3 | 440 - 590 | 265 |
| Phenol | | | | | | 0 / 3 | 440 - 590 | 265 |
| Pyrene | | | | | | 0 / 3 | 440 - 590 | 265 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 16.5 | J | 59 | J | SD-26-01-FW | 3 / 3 | N/A | 31 |
| 4,4'-DDE | 9.5 | J | 51 | J | SD-26-01-FW | 3 / 3 | N/A | 24 |
| 4,4'-DDT | 17.85 | J | 30 | J | SD-26-01-FW | 2 / 3 | 29 | 21 |
| Aldrin | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| alpha-BHC | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| alpha-Chlordane | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| Aroclor 1016 | | | | | | 0 / 3 | 220 - 290 | 132 |
| Aroclor 1221 | | | | | | 0 / 3 | 450 - 600 | 270 |
| Aroclor 1232 | | | | | | 0 / 3 | 220 - 290 | 132 |
| Aroclor 1242 | | | | | | 0 / 3 | 220 - 290 | 132 |
| Aroclor 1248 | | | | | | 0 / 3 | 220 - 290 | 132 |
| Aroclor 1254 | | | | | | 0 / 3 | 220 - 290 | 132 |
| Aroclor 1260 | | | | | | 0 / 3 | 220 - 290 | 132 |
| beta-BHC | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| delta-BHC | | | | | | 0 / 3 | 11 - 15 | 6.7 |

**TABLE 2-37**
**SEDIMENT DATA SUMMARY - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 3 | 22 - 29 | 13 |
| Endosulfan I | 6.9 | J | 6.9 | J | SD-26-03-FW | 1 / 3 | 11 - 14 | 6.5 |
| Endosulfan II | | | | | | 0 / 3 | 22 - 29 | 13 |
| Endosulfan sulfate | | | | | | 0 / 3 | 22 - 29 | 13 |
| Endrin | | | | | | 0 / 3 | 22 - 29 | 13 |
| Endrin aldehyde | | | | | | 0 / 3 | 22 - 29 | 13 |
| Endrin ketone | | | | | | 0 / 3 | 22 - 29 | 13 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| gamma-Chlordane | 1 | J | 1 | J | SD-26-02-FW | 1 / 3 | 14 - 15 | 5.2 |
| Heptachlor | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| Heptachlor epoxide | | | | | | 0 / 3 | 11 - 15 | 6.7 |
| Methoxychlor | | | | | | 0 / 3 | 110 - 150 | 67 |
| Toxaphene | | | | | | 0 / 3 | 1100 - 1500 | 667 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 8345 | | 13500 | | SD-26-01-FW | 3 / 3 | N/A | 10075 |
| Antimony | 0.7 | J | 0.81 | J | SD-26-02-FW | 2 / 3 | 0.79 | 0.64 |
| Arsenic | 4.75 | | 9.4 | | SD-26-01-FW | 3 / 3 | N/A | 6.4 |
| Barium | 35.7 | | 73.1 | | SD-26-01-FW | 3 / 3 | N/A | 51 |
| Beryllium | 0.255 | | 0.51 | | SD-26-01-FW | 3 / 3 | N/A | 0.37 |
| Cadmium | | | | | | 0 / 3 | 0.04 - 0.23 | 0.059 |
| Calcium | 1205 | | 1860 | | SD-26-01-FW | 3 / 3 | N/A | 1455 |
| Chromium | 8.9 | | 32.6 | | SD-26-01-FW | 3 / 3 | N/A | 21 |
| Cobalt | 3.7 | | 8 | | SD-26-01-FW | 3 / 3 | N/A | 5.9 |
| Copper | 10 | | 42.9 | | SD-26-01-FW | 3 / 3 | N/A | 23 |
| Cyanide | | | | | | 0 / 3 | 0.66 - 0.87 | 0.40 |
| Iron | 8810 | | 17100 | | SD-26-01-FW | 3 / 3 | N/A | 12803 |
| Lead | 25.3 | J | 103 | J | SD-26-01-FW | 3 / 3 | N/A | 57 |
| Magnesium | 1430 | | 5100 | | SD-26-01-FW | 3 / 3 | N/A | 3553 |
| Manganese | 134 | | 315 | | SD-26-01-FW | 3 / 3 | N/A | 224 |
| Mercury | | | | | | 0 / 3 | 0.014 - 0.08 | 0.019 |
| Nickel | 5.9 | | 18.9 | | SD-26-01-FW | 3 / 3 | N/A | 13 |
| Potassium | 249 | | 2410 | | SD-26-01-FW | 3 / 3 | N/A | 1656 |
| Selenium | | | | | | 0 / 3 | 0.59 - 0.99 | 0.40 |
| Silver | | | | | | 0 / 3 | 0.3 - 0.49 | 0.20 |
| Sodium | | | | | | 0 / 3 | 51.4 - 85.5 | 34 |
| Thallium | | | | | | 0 / 3 | 0.89 - 1.2 | 0.50 |
| Vanadium | 18.8 | | 37.6 | | SD-26-01-FW | 3 / 3 | N/A | 26 |
| Zinc | 44.1 | | 82.8 | | SD-26-01-FW | 3 / 3 | N/A | 57 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.11 | | 0.22 | | SD-26-03-FW | 3 / 3 | N/A | 0.18 |
| Copper | | | | | | 0 / 3 | 16.6 - 28.7 | 12 |
| Lead | 31 | | 81 | | SD-26-01-FW | 3 / 3 | N/A | 59 |
| Mercury | 0.0040 | | 0.0040 | | SD-26-02-FW | 1 / 3 | 0.005 | 0.0030 |
| Nickel | | | | | | 0 / 3 | 9.8 - 92.8 | 21 |
| SEM/AVS Ratio | 0.089 | | 0.17 | | SD-26-03-FW | 3 / 3 | N/A | 0.12 |
| Sulfide | 205 | | 437 | | SD-26-01-FW | 3 / 3 | N/A | 300 |
| Zinc | 37 | | 63 | | SD-26-01-FW | 3 / 3 | N/A | 50 |
| Total Organic Carbon (mg/Kg) | 12050 | | 47200 | | SD-26-03-FW | 3 / 3 | N/A | 32017 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-38
## SEDIMENT DATA SUMMARY - STATION 27
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 2-Butanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 2-Hexanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Acetone | 44 | J | 57 | J | SD-27-03-FW | 2 / 3 | 13 | 36 |
| Benzene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Bromodichloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Bromoform | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Bromomethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Carbon Disulfide | 3 | J | 3 | J | SD-27-03-FW | 1 / 3 | 13 - 14 | 5.5 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chlorobenzene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chloroethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chloroform | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Chloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Dibromochloromethane | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Ethylbenzene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Methylene Chloride | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Styrene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Tetrachloroethene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Toluene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Trichloroethene | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Vinyl Chloride | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| Xylenes (total) | | | | | | 0 / 3 | 13 - 14 | 6.7 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 420 - 470 | 220 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2-Chlorophenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2-Methylnaphthalene | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2-Methylphenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 2-Nitrophenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 420 - 470 | 220 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 420 - 470 | 220 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 4-Chloroaniline | | | | | | 0 / 3 | 420 - 470 | 220 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 420 - 470 | 220 |

**TABLE 2-38**
**SEDIMENT DATA SUMMARY - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| Acenaphthene | 290 | J | 290 | J | SD-27-01-FW | 1 / 3 | 420 - 430 | 238 |
| Acenaphthylene | 350 | J | 350 | J | SD-27-02-FW | 1 / 3 | 430 - 470 | 267 |
| Anthracene | 300 | J | 990 | J | SD-27-01-FW | 2 / 3 | 430 | 502 |
| Benzo(a)anthracene | 520 | J | 2400 | J | SD-27-01-FW | 3 / 3 | N/A | 1473 |
| Benzo(a)pyrene | 310 | J | 930 | J | SD-27-01-FW | 3 / 3 | N/A | 690 |
| Benzo(b)fluoranthene | 370 | J | 1500 | J | SD-27-01-FW | 3 / 3 | N/A | 940 |
| Benzo(g,h,i)perylene | | | | | | 0 / 3 | 420 - 470 | 220 |
| Benzo(k)fluoranthene | 540 | J | 1500 | J | SD-27-01-FW | 3 / 3 | N/A | 1147 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 420 - 470 | 220 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 420 - 470 | 220 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 420 - 470 | 220 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 420 - 470 | 220 |
| Carbazole | 130 | J | 520 | J | SD-27-01-FW | 2 / 3 | 430 | 288 |
| Chrysene | 510 | J | 2000 | J | SD-27-01-FW | 3 / 3 | N/A | 1303 |
| Di-n-butylphthalate | 160 | J | 160 | J | SD-27-02-FW | 1 / 3 | 430 - 470 | 203 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 420 - 470 | 220 |
| Dibenz(a,h)anthracene | 210 | J | 210 | J | SD-27-01-FW | 2 / 3 | 430 | 212 |
| Dibenzofuran | 210 | J | 210 | J | SD-27-01-FW | 1 / 3 | 420 - 430 | 212 |
| Diethylphthalate | | | | | | 0 / 3 | 420 - 470 | 220 |
| Dimethylphthalate | | | | | | 0 / 3 | 420 - 470 | 220 |
| Fluoranthene | 1300 | J | 5500 | J | SD-27-01-FW | 3 / 3 | N/A | 3400 |
| Fluorene | 180 | J | 620 | J | SD-27-01-FW | 2 / 3 | 430 | 338 |
| Hexachlorobenzene | | | | | | 0 / 3 | 420 - 470 | 220 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 420 - 470 | 220 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 420 - 470 | 220 |
| Hexachloroethane | | | | | | 0 / 3 | 420 - 470 | 220 |
| Indeno(1,2,3-cd)pyrene | 160 | J | 500 | J | SD-27-02-FW | 3 / 3 | N/A | 370 |
| Isophorone | | | | | | 0 / 3 | 420 - 470 | 220 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 420 - 470 | 220 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 420 - 470 | 220 |
| Naphthalene | | | | | | 0 / 3 | 420 - 470 | 220 |
| Nitrobenzene | | | | | | 0 / 3 | 420 - 470 | 220 |
| Pentachlorophenol | | | | | | 0 / 3 | 1000 - 1100 | 533 |
| Phenanthrene | 730 | J | 4500 | J | SD-27-01-FW | 3 / 3 | N/A | 2243 |
| Phenol | | | | | | 0 / 3 | 420 - 470 | 220 |
| Pyrene | 2400 | J | 3400 | J | SD-27-01-FW | 2 / 3 | 890 | 2082 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 5.7 | J | 6.2 | J | SD-27-03-FW | 2 / 3 | 21 | 7.5 |
| 4,4'-DDE | 3.5 | J | 5.5 | J | SD-27-01-FW | 3 / 3 | N/A | 4.5 |
| 4,4'-DDT | 5.6 | J | 15 | J | SD-27-01-FW | 3 / 3 | N/A | 12 |
| Aldrin | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| alpha-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| alpha-Chlordane | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Aroclor 1016 | | | | | | 0 / 3 | 210 - 240 | 112 |
| Aroclor 1221 | | | | | | 0 / 3 | 430 - 480 | 225 |
| Aroclor 1232 | | | | | | 0 / 3 | 210 - 240 | 112 |
| Aroclor 1242 | | | | | | 0 / 3 | 210 - 240 | 112 |
| Aroclor 1248 | | | | | | 0 / 3 | 210 - 240 | 112 |
| Aroclor 1254 | | | | | | 0 / 3 | 210 - 240 | 112 |
| Aroclor 1260 | | | | | | 0 / 3 | 210 - 240 | 112 |
| beta-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| delta-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |

**TABLE 2-38**
**SEDIMENT DATA SUMMARY - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 2.2 | J | 4.7 | J | SD-27-02-FW | 2 / 3 | 24 | 6.3 |
| Endosulfan I | 7.2 | J | 35 | J | SD-27-02-FW | 3 / 3 | N/A | 17 |
| Endosulfan II | 5.3 | J | 5.3 | J | SD-27-02-FW | 1 / 3 | 22 - 24 | 9.4 |
| Endosulfan sulfate | 9.1 | J | 9.1 | J | SD-27-02-FW | 1 / 3 | 22 - 24 | 11 |
| Endrin | | | | | | 0 / 3 | 21 - 24 | 11 |
| Endrin aldehyde | | | | | | 0 / 3 | 21 - 24 | 11 |
| Endrin ketone | 6.1 | J | 6.1 | J | SD-27-02-FW | 1 / 3 | 22 - 24 | 9.7 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| gamma-Chlordane | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Heptachlor | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Heptachlor epoxide | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Methoxychlor | | | | | | 0 / 3 | 110 - 120 | 57 |
| Toxaphene | | | | | | 0 / 3 | 1100 - 1200 | 567 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3690 | | 5050 | | SD-27-03-FW | 3 / 3 | N/A | 4347 |
| Antimony | 0.56 | J | 0.56 | J | SD-27-03-FW | 1 / 3 | 0.43 - 0.64 | 0.37 |
| Arsenic | 4.1 | | 6.8 | | SD-27-01-FW | 3 / 3 | N/A | 5.3 |
| Barium | 16.6 | | 30.9 | | SD-27-01-FW | 3 / 3 | N/A | 23 |
| Beryllium | 0.15 | | 0.21 | | SD-27-01-FW | 3 / 3 | N/A | 0.19 |
| Cadmium | 0.4 | | 0.4 | | SD-27-01-FW | 1 / 3 | 0.053 - 0.16 | 0.17 |
| Calcium | 1020 | | 1310 | | SD-27-01-FW | 3 / 3 | N/A | 1163 |
| Chromium | 9 | | 15.1 | | SD-27-03-FW | 3 / 3 | N/A | 13 |
| Cobalt | 3.5 | | 5.8 | | SD-27-01-FW | 3 / 3 | N/A | 4.7 |
| Copper | 6.8 | | 8.1 | | SD-27-01-FW | 3 / 3 | N/A | 7.3 |
| Cyanide | | | | | | 0 / 3 | 0.59 - 0.76 | 0.33 |
| Iron | 7640 | | 7990 | | SD-27-02-FW | 3 / 3 | N/A | 7780 |
| Lead | 17.9 | J | 28 | J | SD-27-02-FW | 3 / 3 | N/A | 22 |
| Magnesium | 1500 | | 2390 | | SD-27-03-FW | 3 / 3 | N/A | 1993 |
| Manganese | 183 | | 297 | | SD-27-01-FW | 3 / 3 | N/A | 242 |
| Mercury | | | | | | 0 / 3 | 0.0095 - 0.016 | 0.0061 |
| Nickel | 6.6 | | 10.3 | | SD-27-03-FW | 3 / 3 | N/A | 8.6 |
| Potassium | 516 | | 711 | | SD-27-02-FW | 3 / 3 | N/A | 621 |
| Selenium | | | | | | 0 / 3 | 0.53 - 0.8 | 0.32 |
| Silver | | | | | | 0 / 3 | 0.27 - 0.4 | 0.16 |
| Sodium | | | | | | 0 / 3 | 46.2 - 69.3 | 28 |
| Thallium | | | | | | 0 / 3 | 0.62 - 0.93 | 0.37 |
| Vanadium | 9.3 | | 11.3 | | SD-27-02-FW | 3 / 3 | N/A | 10 |
| Zinc | 33 | | 112 | | SD-27-03-FW | 3 / 3 | N/A | 68 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.17 | | 0.39 | | SD-27-01-FW | 2 / 3 | 0.09 | 0.20 |
| Copper | | | | | | 0 / 3 | 4.8 - 40.2 | 10 |
| Lead | 16 | | 18 | | SD-27-03-FW | 3 / 3 | N/A | 17 |
| Mercury | | | | | | 0 / 3 | 0.003 - 0.004 | 0.0018 |
| Nickel | | | | | | 0 / 3 | 3.4 - 88.7 | 24 |
| SEM/AVS Ratio | 0.071 | | 0.60 | | SD-27-02-FW | 3 / 3 | N/A | 0.25 |
| Sulfide | 19 | | 526 | | SD-27-03-FW | 3 / 3 | N/A | 331 |
| Zinc | 18 | | 74 | | SD-27-03-FW | 3 / 3 | N/A | 50 |
| Total Organic Carbon (mg/Kg) | 7650 | | 13400 | | SD-27-01-FW | 3 / 3 | N/A | 10350 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-39**
**SEDIMENT DATA SUMMARY - STATION 01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 2 | 10 - 55 | 16.3 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 10 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 55 | 27.5 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 10 | 5.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 10 | 5.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 10 | 5.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 10 | 5.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 10 | 5.0 |
| 2-Butanone | | | | | | 0 / 1 | 10 | 5.0 |
| 2-Hexanone | | | | | | 0 / 1 | 10 | 5 |
| Acetone | 120 | J | 120 | J | SD-MC-01 | 1 / 2 | 55 - 220 | 115.0 |
| Benzene | | | | | | 0 / 1 | 10 | 5.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 10 | 5.0 |
| Bromoform | | | | | | 0 / 1 | 10 | 5.0 |
| Bromomethane | | | | | | 0 / 1 | 10 | 5.0 |
| Carbon Disulfide | | | | | | 0 / 1 | 10 | 5.0 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 10 | 5.0 |
| Chlorobenzene | | | | | | 0 / 1 | 10 | 5.0 |
| Chloroethane | | | | | | 0 / 1 | 10 | 5.0 |
| Chloroform | | | | | | 0 / 1 | 10 | 5.0 |
| Chloromethane | | | | | | 0 / 1 | 10 | 5.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 10 | 5.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 10 | 5.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 10 | 5.0 |
| Ethylbenzene | | | | | | 0 / 1 | 10 | 5.0 |
| Methyl Acetate | 210 | | 210 | | SD-MC-01-TR | 1 / 1 | 55 | 210 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 1 | 10 | 5.0 |
| Methylene Chloride | | | | | | 0 / 2 | 24 - 63 | 21.8 |
| Styrene | | | | | | 0 / 1 | 10 | 5.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 10 | 5.0 |
| Toluene | 7.9 | J | 7.9 | J | SD-MC-01-TR | 1 / 2 | 10 - 55 | 6.5 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 10 | 5.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 10 | 5.0 |
| Trichloroethene | | | | | | 0 / 1 | 10 | 5.0 |
| Vinyl chloride | | | | | | 0 / 1 | 10 | 5.0 |
| Xylene, m/p- | | | | | | 0 / 1 | 19 | 10 |
| Xylene, o- | | | | | | 0 / 1 | 10 | 5.0 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 380 | 190 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 300 | 150 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 300 | 150 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 300 | 150 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 300 | 150 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 380 | 190 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 760 - 950 | 428 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 760 - 950 | 428 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2-Chlorophenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2-Methylnaphthalene | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2-Methylphenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 2-Nitroaniline | | | | | | 0 / 2 | 760 - 950 | 428 |
| 2-Nitrophenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 300 - 380 | 170 |

**TABLE 2-39**
**SEDIMENT DATA SUMMARY - STATION 01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3+4-Methylphenols | | | | | | 0 / 1 | 380 | 190 |
| 3-Nitroaniline | | | | | | 0 / 2 | 300 - 380 | 170 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 760 - 950 | 428 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 300 - 380 | 170 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| 4-Chloroaniline | | | | | | 0 / 2 | 300 - 380 | 170 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 300 - 380 | 170 |
| 4-Methylphenol | 190 | J | 190 | J | SD-MC-01 | 1 / 1 | N/A | 190 |
| 4-Nitroaniline | | | | | | 0 / 2 | 760 - 950 | 428 |
| 4-Nitrophenol | | | | | | 0 / 2 | 760 - 950 | 428 |
| Acenaphthene | | | | | | 0 / 2 | 300 - 380 | 170 |
| Acenaphthylene | 150 | J | 150 | J | SD-MC-01 | 1 / 2 | 380 | 170 |
| Acetophenone | | | | | | 0 / 1 | 380 | 190 |
| Anthracene | 150 | J | 150 | J | SD-MC-01 | 1 / 2 | 380 | 170 |
| Atrazine | | | | | | 0 / 1 | 380 | 190 |
| Benzaldehyde | | | | | | 0 / 1 | 380 | 190 |
| Benzo(a)anthracene | 210 | J | 640 | | SD-MC-01 | 2 / 2 | 380 | 425 |
| Benzo(a)pyrene | 250 | J | 810 | | SD-MC-01 | 2 / 2 | 380 | 530 |
| Benzo(b)fluoranthene | 310 | J | 920 | | SD-MC-01 | 2 / 2 | 380 | 615 |
| Benzo(g,h,i)perylene | 500 | | 500 | | SD-MC-01 | 1 / 2 | 380 | 345 |
| Benzo(k)fluoranthene | 840 | | 840 | | SD-MC-01 | 1 / 2 | 380 | 515 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 300 - 380 | 170 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 300 - 380 | 170 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 300 | 150 |
| bis(2-Ethylhexyl)phthalate | 94 | J | 94 | J | SD-MC-01 | 1 / 2 | 380 | 142 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 300 - 380 | 170 |
| Caprolactam | | | | | | 0 / 1 | 380 | 190 |
| Carbazole | | | | | | 0 / 2 | 300 - 380 | 170 |
| Chrysene | 250 | J | 1100 | | SD-MC-01 | 2 / 2 | 380 | 675 |
| Dibenz(a,h)anthracene | 110 | J | 110 | J | SD-MC-01 | 1 / 2 | 380 | 150 |
| Dibenzofuran | | | | | | 0 / 2 | 300 - 380 | 170 |
| Diethylphthalate | | | | | | 0 / 2 | 300 - 380 | 170 |
| Dimethylphthalate | | | | | | 0 / 2 | 300 - 380 | 170 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 300 - 380 | 170 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 300 - 380 | 170 |
| Fluoranthene | 400 | | 1500 | | SD-MC-01 | 2 / 2 | 380 | 950 |
| Fluorene | | | | | | 0 / 2 | 300 - 380 | 170 |
| Hexachlorobenzene | | | | | | 0 / 2 | 300 - 380 | 170 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 300 - 380 | 170 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 380 - 760 | 285 |
| Hexachloroethane | | | | | | 0 / 2 | 300 - 380 | 170 |
| Indeno(1,2,3-cd)pyrene | 530 | | 530 | | SD-MC-01 | 1 / 2 | 380 | 360 |
| Isophorone | | | | | | 0 / 2 | 300 - 380 | 170 |
| Naphthalene | | | | | | 0 / 2 | 300 - 380 | 170 |
| Nitrobenzene | | | | | | 0 / 2 | 300 - 380 | 170 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 300 - 380 | 170 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 300 - 380 | 170 |
| Pentachlorophenol | | | | | | 0 / 2 | 760 - 950 | 428 |
| Phenanthrene | 220 | J | 850 | | SD-MC-01 | 2 / 2 | 380 | 535 |
| Phenol | | | | | | 0 / 2 | 300 - 380 | 170 |
| Pyrene | 440 | | 1700 | | SD-MC-01 | 2 / 2 | 380 | 1070 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 5.7 | | 200 | J | SD-MC-01 | 2 / 2 | 3.1 | 103 |
| 4,4'-DDE | 11 | | 470 | J | SD-MC-01 | 2 / 2 | 3.1 | 241 |
| 4,4'-DDT | 3 | J | 180 | J | SD-MC-01 | 2 / 2 | 3.1 | 92 |
| Aldrin | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| Alpha-BHC | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| alpha-Chlordane | 23 | J | 23 | J | SD-MC-01 | 1 / 2 | 1.6 | 12 |
| Aroclor 1016 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| Aroclor 1221 | | | | | | 0 / 2 | 3 - 63 | 16.5 |
| Aroclor 1232 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| Aroclor 1242 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| Aroclor 1248 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| Aroclor 1254 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| Aroclor 1260 | | | | | | 0 / 2 | 3 - 31 | 8.5 |
| beta-BHC | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| delta-BHC | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |

**TABLE 2-39**
**SEDIMENT DATA SUMMARY - STATION 01-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 2 | 0.76 - 3.1 | 0.97 |
| Endosulfan I | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| Endosulfan II | | | | | | 0 / 2 | 0.76 - 3.1 | 0.97 |
| Endosulfan sulfate | | | | | | 0 / 2 | 0.76 - 3.1 | 0.97 |
| Endrin | | | | | | 0 / 2 | 0.76 - 3.1 | 0.97 |
| Endrin Aldehyde | | | | | | 0 / 1 | 3.1 | 1.55 |
| Endrin ketone | | | | | | 0 / 2 | 0.76 - 3.1 | 0.97 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| Heptachlor | | | | | | 0 / 2 | 0.76 - 1.6 | 0.59 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.76 - 1.6 | 0.6 |
| Methoxychlor | | | | | | 0 / 2 | 3.8 - 16 | 5.0 |
| Toxaphene | | | | | | 0 / 2 | 7.6 - 160 | 41.9 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4740 | | 8560 | | SD-MC-01-TR | 2 / 2 | 9.14 | 6650 |
| Antimony | 0.81 | J | 1.4 | J | SD-MC-01-TR | 2 / 2 | 0.74 | 1.11 |
| Arsenic | 12.2 | | 27.8 | | SD-MC-01-TR | 2 / 2 | 1 | 20 |
| Barium | 59 | | 95.7 | | SD-MC-01-TR | 2 / 2 | 0.4 | 77 |
| Beryllium | 0.39 | J | 0.71 | J | SD-MC-01-TR | 2 / 2 | 0.2 | 0.55 |
| Cadmium | 0.5 | | 2.2 | | SD-MC-01-TR | 2 / 2 | 0.6 | 1.35 |
| Calcium | 10900 | | 10900 | | SD-MC-01-TR | 1 / 1 | 2.14 | 10900 |
| Chromium | 12.2 | J | 28.4 | | SD-MC-01-TR | 2 / 2 | 1 | 20.3 |
| Cobalt | 6.4 | | 8.3 | J | SD-MC-01-TR | 2 / 2 | 0.36 | 7 |
| Copper | 31.6 | | 70.8 | | SD-MC-01-TR | 2 / 2 | 0.44 | 51 |
| Iron | 11700 | | 19400 | | SD-MC-01-TR | 2 / 2 | 1.4 | 15550 |
| Lead | 188 | | 252 | | SD-MC-01-TR | 2 / 2 | 0.6 | 220 |
| Magnesium | 2570 | | 2570 | | SD-MC-01-TR | 1 / 1 | 15.18 | 2570.00 |
| Manganese | 225 | | 396 | | SD-MC-01 | 2 / 2 | 0.24 | 310.5 |
| Mercury | 0.03 | J | 0.31 | | SD-MC-01 | 2 / 2 | 0.02 | 0.17 |
| Nickel | 9.2 | | 16.6 | | SD-MC-01-TR | 2 / 2 | 0.8 | 12.90 |
| Potassium | 547 | J | 547 | J | SD-MC-01-TR | 1 / 1 | 4.38 | 547.00 |
| Selenium | 0.94 | J | 0.94 | J | SD-MC-01 | 1 / 2 | 1 | 0.72 |
| Silver | 0.085 | J | 0.085 | J | SD-MC-01 | 1 / 2 | 1 | 0.29 |
| Sodium | 334 | | 334 | | SD-MC-01-TR | 1 / 1 | 98.04 | 334.000 |
| Thallium | | | | | | 0 / 2 | 0.36 - 1.1 | 0.37 |
| Vanadium | 20 | | 38.2 | | SD-MC-01-TR | 2 / 2 | 0.64 | 29 |
| Zinc | 131 | | 282 | J | SD-MC-01-TR | 2 / 2 | 1.7 | 207 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 1.0 | | 1.1 | | SD-MC-01-TR | 2 / 2 | N/A | 1.1 |
| Copper | 12 | | 32 | | SD-MC-01-TR | 2 / 2 | N/A | 22 |
| Lead | 125 | | 133 | | SD-MC-01 | 2 / 2 | N/A | 129 |
| Mercury | 0.040 | J | 0.040 | J | SD-MC-01-TR | 1 / 1 | N/A | 0.040 |
| Nickel | 8.2 | | 8.2 | | SD-MC-01-TR | 1 / 2 | 16.4332 | 8.2 |
| SEM/AVS Ratio | 0.35 | J | 4.3 | | SD-MC-01-TR | 2 / 2 | N/A | 2.3 |
| Sulfide | 26 | J | 238 | J | SD-MC-01 | 2 / 2 | N/A | 132 |
| Zinc | 118 | | 144 | J | SD-MC-01-TR | 2 / 2 | N/A | 131 |
| Total Organic Carbon | 160000 | J | 270000 | | SD-MC-01-TR | 2 / 2 | 250 | 215000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-40
## SEDIMENT DATA SUMMARY - STATION 02-IP
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 25 | 13 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 25 | 13 |
| 2-Butanone | 680 | | 680 | | SD-MC-02 | 1 / 1 | N/A | 680 |
| 2-Hexanone | | | | | | 0 / 1 | 25 | 13 |
| Acetone | 2200 | J | 2200 | J | SD-MC-02 | 1 / 1 | N/A | 2200 |
| Benzene | | | | | | 0 / 1 | 25 | 13 |
| Bromodichloromethane | | | | | | 0 / 1 | 25 | 13 |
| Bromoform | | | | | | 0 / 1 | 25 | 13 |
| Bromomethane | | | | | | 0 / 1 | 25 | 13 |
| Carbon Disulfide | | | | | | 0 / 1 | 25 | 13 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 25 | 13 |
| Chlorobenzene | | | | | | 0 / 1 | 25 | 13 |
| Chloroethane | | | | | | 0 / 1 | 25 | 13 |
| Chloroform | | | | | | 0 / 1 | 25 | 13 |
| Chloromethane | | | | | | 0 / 1 | 25 | 13 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 25 | 13 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 25 | 13 |
| Dibromochloromethane | | | | | | 0 / 1 | 25 | 13 |
| Ethylbenzene | | | | | | 0 / 1 | 25 | 13 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 1 | 25 | 13 |
| Methylene Chloride | | | | | | 0 / 1 | 63 | 32 |
| Styrene | | | | | | 0 / 1 | 25 | 13 |
| Tetrachloroethene | | | | | | 0 / 1 | 25 | 13 |
| Toluene | | | | | | 0 / 1 | 25 | 13 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 25 | 13 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 25 | 13 |
| Trichloroethene | | | | | | 0 / 1 | 25 | 13 |
| Vinyl chloride | | | | | | 0 / 1 | 25 | 13 |
| Xylene, m/p- | | | | | | 0 / 1 | 50 | 25 |
| Xylene, o- | | | | | | 0 / 1 | 25 | 13 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 1000 | 500 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 1000 | 500 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 1000 | 500 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 1000 | 500 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 2600 | 1300 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 1000 | 500 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 1000 | 500 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 1000 | 500 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 2600 | 1300 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 1000 | 500 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 1000 | 500 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 1000 | 500 |
| 2-Chlorophenol | | | | | | 0 / 1 | 1000 | 500 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 1000 | 500 |
| 2-Methylphenol | | | | | | 0 / 1 | 1000 | 500 |
| 2-Nitroaniline | | | | | | 0 / 1 | 2600 | 1300 |
| 2-Nitrophenol | | | | | | 0 / 1 | 1000 | 500 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 1000 | 500 |
| 3-Nitroaniline | | | | | | 0 / 1 | 1000 | 500 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 2600 | 1300 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 1000 | 500 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 1000 | 500 |
| 4-Chloroaniline | | | | | | 0 / 1 | 1000 | 500 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 1000 | 500 |
| 4-Methylphenol | | | | | | 0 / 1 | 1000 | 500 |

**TABLE 2-40**
**SEDIMENT DATA SUMMARY - STATION 02-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Nitroaniline | | | | | | 0 / 1 | 2600 | 1300 |
| 4-Nitrophenol | | | | | | 0 / 1 | 2600 | 1300 |
| Acenaphthene | | | | | | 0 / 1 | 1000 | 500 |
| Acenaphthylene | | | | | | 0 / 1 | 1000 | 500 |
| Anthracene | | | | | | 0 / 1 | 1000 | 500 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 1000 | 500 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 1000 | 500 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 1000 | 500 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 1000 | 500 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 1000 | 500 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 1000 | 500 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 1000 | 500 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 1000 | 500 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 1000 | 500 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 1000 | 500 |
| Carbazole | | | | | | 0 / 1 | 1000 | 500 |
| Chrysene | | | | | | 0 / 1 | 1000 | 500 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 1000 | 500 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 1000 | 500 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 1000 | 500 |
| Dibenzofuran | | | | | | 0 / 1 | 1000 | 500 |
| Diethylphthalate | | | | | | 0 / 1 | 1000 | 500 |
| Dimethylphthalate | | | | | | 0 / 1 | 1000 | 500 |
| Fluoranthene | | | | | | 0 / 1 | 1000 | 500 |
| Fluorene | | | | | | 0 / 1 | 1000 | 500 |
| Hexachlorobenzene | | | | | | 0 / 1 | 1000 | 500 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 1000 | 500 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 2600 | 1300 |
| Hexachloroethane | | | | | | 0 / 1 | 1000 | 500 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 1000 | 500 |
| Isophorone | | | | | | 0 / 1 | 1000 | 500 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 1000 | 500 |
| N-nitrosodiphenylamine | | | | | | 0 / 1 | 1000 | 500 |
| Naphthalene | | | | | | 0 / 1 | 1000 | 500 |
| Nitrobenzene | | | | | | 0 / 1 | 1000 | 500 |
| Pentachlorophenol | | | | | | 0 / 1 | 2600 | 1300 |
| Phenanthrene | | | | | | 0 / 1 | 1000 | 500 |
| Phenol | | | | | | 0 / 1 | 1000 | 500 |
| Pyrene | | | | | | 0 / 1 | 1000 | 500 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 25 | J | 25 | J | SD-MC-02 | 1 / 1 | N/A | 25 |
| 4,4'-DDE | 13 | | 13 | | SD-MC-02 | 1 / 1 | N/A | 13 |
| 4,4'-DDT | | | | | | 0 / 1 | 2.6 | 1.3 |
| Aldrin | | | | | | 0 / 1 | 2.6 | 1.3 |
| Alpha-BHC | | | | | | 0 / 1 | 2.6 | 1.3 |
| alpha-Chlordane | | | | | | 0 / 1 | 2.6 | 1.3 |
| Aroclor 1016 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1221 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1232 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1242 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1248 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1254 | | | | | | 0 / 1 | 10.4 | 5.2 |
| Aroclor 1260 | | | | | | 0 / 1 | 10.4 | 5.2 |
| beta-BHC | | | | | | 0 / 1 | 2.6 | 1.3 |
| delta-BHC | | | | | | 0 / 1 | 2.6 | 1.3 |

**TABLE 2-40**
**SEDIMENT DATA SUMMARY - STATION 02-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 1 | 2.6 | 1.3 |
| Endosulfan I | | | | | | 0 / 1 | 2.6 | 1.3 |
| Endosulfan II | | | | | | 0 / 1 | 2.6 | 1.3 |
| Endosulfan sulfate | | | | | | 0 / 1 | 2.6 | 1.3 |
| Endrin | | | | | | 0 / 1 | 2.6 | 1.3 |
| Endrin ketone | | | | | | 0 / 1 | 2.6 | 1.3 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 2.6 | 1.3 |
| gamma-Chlordane | | | | | | 0 / 1 | 2.6 | 1.3 |
| Heptachlor | | | | | | 0 / 1 | 2.6 | 1.3 |
| Heptachlor epoxide | | | | | | 0 / 1 | 2.6 | 1.3 |
| Methoxychlor | | | | | | 0 / 1 | 13 | 6.5 |
| Toxaphene | | | | | | 0 / 1 | 26 | 13 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 8620 | | 8620 | | SD-MC-02 | 1 / 1 | N/A | 8620 |
| Antimony | 1.4 | J | 1.4 | J | SD-MC-02 | 1 / 1 | N/A | 1.4 |
| Arsenic | 29.9 | | 29.9 | | SD-MC-02 | 1 / 1 | N/A | 30 |
| Barium | 80.7 | | 80.7 | | SD-MC-02 | 1 / 1 | N/A | 81 |
| Beryllium | 1.1 | | 1.1 | | SD-MC-02 | 1 / 1 | N/A | 1.1 |
| Cadmium | 2.9 | | 2.9 | | SD-MC-02 | 1 / 1 | N/A | 2.9 |
| Chromium | 155 | J | 155 | J | SD-MC-02 | 1 / 1 | N/A | 155 |
| Cobalt | 12.1 | | 12.1 | | SD-MC-02 | 1 / 1 | N/A | 12 |
| Copper | 65.7 | | 65.7 | | SD-MC-02 | 1 / 1 | N/A | 65.7 |
| Iron | 25500 | | 25500 | | SD-MC-02 | 1 / 1 | N/A | 25500 |
| Lead | 197 | | 197 | | SD-MC-02 | 1 / 1 | N/A | 197 |
| Manganese | 837 | | 837 | | SD-MC-02 | 1 / 1 | N/A | 837 |
| Mercury | 0.35 | | 0.35 | | SD-MC-02 | 1 / 1 | N/A | 0.35 |
| Nickel | 19.6 | | 19.6 | | SD-MC-02 | 1 / 1 | N/A | 20 |
| Selenium | 1.2 | J | 1.2 | J | SD-MC-02 | 1 / 1 | N/A | 1.2 |
| Silver | 0.47 | | 0.47 | | SD-MC-02 | 1 / 1 | N/A | 0.47 |
| Thallium | | | | | | 0 / 1 | 0.45 | 0.23 |
| Vanadium | 51.5 | | 51.5 | | SD-MC-02 | 1 / 1 | N/A | 52 |
| Zinc | 377 | | 377 | | SD-MC-02 | 1 / 1 | N/A | 377 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 4.3 | | 4.3 | | SD-MC-02 | 1 / 1 | N/A | 4.3 |
| Copper | 8.9 | | 8.9 | | SD-MC-02 | 1 / 1 | N/A | 8.9 |
| Lead | 249 | | 249 | | SD-MC-02 | 1 / 1 | N/A | 249 |
| Nickel | | | | | | 0 / 1 | 64.559 | 32 |
| SEM/AVS Ratio | 0.090 | J | 0.090 | J | SD-MC-02 | 1 / 1 | N/A | 0.090 |
| Sulfide | 3852 | J | 3852 | J | SD-MC-02 | 1 / 1 | N/A | 3852 |
| Zinc | 569 | J | 569 | J | SD-MC-02 | 1 / 1 | N/A | 569 |
| Total Organic Carbon (mg/Kg) | 370000 | J | 370000 | J | SD-MC-02 | 1 / 1 | N/A | 370000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-41
## SEDIMENT DATA SUMMARY - STATION 03-IP
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | 100 | J | 100 | J | SD-MC-03-TR | 1 / 2 | 7 - 60 | 52 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 7 | 3.5 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | 52 | J | 52 | J | SD-MC-03-TR | 1 / 1 | 60 | 52 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 7 | 3.5 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 7 | 3.5 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 7 | 3.5 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 7 | 3.5 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 7 | 4 |
| 2-Butanone | 60 | J | 60 | J | SD-MC-03 | 1 / 1 | N/A | 60 |
| 2-Hexanone | | | | | | 0 / 1 | 7 | 4 |
| Acetone | 210 | J | 400 | J | SD-MC-03-TR | 2 / 2 | 60 | 305 |
| Benzene | | | | | | 0 / 1 | 7 | 3.5 |
| Bromodichloromethane | | | | | | 0 / 1 | 7 | 3.5 |
| Bromoform | | | | | | 0 / 1 | 7 | 4 |
| Bromomethane | | | | | | 0 / 1 | 36 | 18 |
| Carbon Disulfide | | | | | | 0 / 1 | 7 | 3.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 7 | 3.5 |
| Chlorobenzene | | | | | | 0 / 1 | 7 | 3.5 |
| Chloroethane | | | | | | 0 / 1 | 7 | 3.5 |
| Chloroform | | | | | | 0 / 1 | 18 | 9.0 |
| Chloromethane | | | | | | 0 / 1 | 7 | 3.5 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 7 | 3.5 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 7 | 3.5 |
| Dibromochloromethane | | | | | | 0 / 1 | 7 | 3.5 |
| Ethylbenzene | | | | | | 0 / 1 | 7 | 3.5 |
| Methyl Acetate | 350 | J | 350 | J | SD-MC-03-TR | 1 / 1 | 60 | 350 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 1 | 7 | 3.5 |
| Methylene Chloride | | | | | | 0 / 2 | 7 - 160 | 42 |
| Styrene | | | | | | 0 / 1 | 7 | 3.5 |
| Tetrachloroethene | | | | | | 0 / 1 | 7 | 3.5 |
| Toluene | 73 | J | 73 | J | SD-MC-03-TR | 1 / 2 | 7 - 60 | 38 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 7 | 3.5 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 7 | 3.5 |
| Trichloroethene | | | | | | 0 / 1 | 7 | 3.5 |
| Vinyl chloride | | | | | | 0 / 1 | 7 | 3.5 |
| Xylene, m/p- | | | | | | 0 / 1 | 15 | 7.5 |
| Xylene, o- | | | | | | 0 / 1 | 7 | 3.5 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 370 | 185 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 340 | 170 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 340 | 170 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 340 | 170 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 340 | 170 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 370 | 185 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 850 - 920 | 443 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 850 - 920 | 443 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2-Chlorophenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2-Methylnaphthalene | 93 | J | 93 | J | SD-MC-03 | 1 / 2 | 370 | 139 |
| 2-Methylphenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 2-Nitroaniline | | | | | | 0 / 2 | 850 - 920 | 443 |
| 2-Nitrophenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 340 - 370 | 178 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 370 | 185 |
| 3-Nitroaniline | | | | | | 0 / 2 | 340 - 370 | 178 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 850 - 920 | 443 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 340 - 370 | 178 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 340 - 370 | 178 |

**TABLE 2-41**
**SEDIMENT DATA SUMMARY - STATION 03-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | | | | | | 0 / 2 | 340 - 370 | 178 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 340 - 370 | 178 |
| 4-Methylphenol | | | | | | 0 / 1 | 340 | 170 |
| 4-Nitroaniline | | | | | | 0 / 2 | 850 - 920 | 443 |
| 4-Nitrophenol | | | | | | 0 / 2 | 850 - 920 | 443 |
| Acenaphthene | 110 | J | 110 | J | SD-MC-03 | 1 / 2 | 370 | 148 |
| Acenaphthylene | 390 | | 390 | | SD-MC-03 | 1 / 2 | 370 | 288 |
| Acetophenone | | | | | | 0 / 1 | 370 | 185 |
| Anthracene | 440 | | 440 | | SD-MC-03 | 1 / 2 | 370 | 313 |
| Atrazine | | | | | | 0 / 1 | 370 | 185 |
| Benzaldehyde | | | | | | 0 / 1 | 370 | 185 |
| Benzo(a)anthracene | 2100 | | 2100 | | SD-MC-03 | 1 / 2 | 370 | 1143 |
| Benzo(a)pyrene | 3300 | | 3300 | | SD-MC-03 | 1 / 2 | 370 | 1743 |
| Benzo(b)fluoranthene | 180 | J | 4900 | | SD-MC-03 | 2 / 2 | 370 | 2540 |
| Benzo(g,h,i)perylene | 1700 | | 1700 | | SD-MC-03 | 1 / 2 | 370 | 943 |
| Benzo(k)fluoranthene | 3200 | | 3200 | | SD-MC-03 | 1 / 2 | 370 | 1693 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 340 - 370 | 178 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 340 - 370 | 178 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 340 | 170 |
| bis(2-Ethylhexyl)phthalate | 1200 | | 1200 | | SD-MC-03 | 1 / 2 | 370 | 693 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 340 - 370 | 178 |
| Caprolactam | | | | | | 0 / 1 | 370 | 185 |
| Carbazole | 370 | | 370 | | SD-MC-03 | 1 / 2 | 370 | 278 |
| Chrysene | 4400 | | 4400 | | SD-MC-03 | 1 / 2 | 370 | 2293 |
| Dibenz(a,h)anthracene | 530 | | 530 | | SD-MC-03 | 1 / 2 | 370 | 358 |
| Dibenzofuran | 120 | J | 120 | J | SD-MC-03 | 1 / 2 | 370 | 153 |
| Diethylphthalate | | | | | | 0 / 2 | 340 - 370 | 178 |
| Dimethylphthalate | | | | | | 0 / 2 | 340 - 370 | 178 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 340 - 370 | 178 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 340 - 370 | 178 |
| Fluoranthene | 220 | J | 6400 | | SD-MC-03 | 2 / 2 | 370 | 3310 |
| Fluorene | 210 | J | 210 | J | SD-MC-03 | 1 / 2 | 370 | 198 |
| Hexachlorobenzene | | | | | | 0 / 2 | 340 - 370 | 178 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 340 - 370 | 178 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 370 - 850 | 305 |
| Hexachloroethane | | | | | | 0 / 2 | 340 - 370 | 178 |
| Indeno(1,2,3-cd)pyrene | 2400 | | 2400 | | SD-MC-03 | 1 / 2 | 370 | 1293 |
| Isophorone | | | | | | 0 / 2 | 340 - 370 | 178 |
| Naphthalene | 160 | J | 160 | J | SD-MC-03 | 1 / 2 | 370 | 173 |
| Nitrobenzene | | | | | | 0 / 2 | 340 - 370 | 178 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 340 - 370 | 178 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 340 - 370 | 178 |
| Pentachlorophenol | | | | | | 0 / 2 | 850 - 920 | 443 |
| Phenanthrene | 3300 | | 3300 | | SD-MC-03 | 1 / 2 | 370 | 1743 |
| Phenol | | | | | | 0 / 2 | 340 - 370 | 178 |
| Pyrene | 230 | J | 6100 | | SD-MC-03 | 2 / 2 | 370 | 3165 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 1.1 | J | 97 | J | SD-MC-03 | 2 / 2 | 2.9 | 49 |
| 4,4'-DDE | 1.6 | J | 43 | J | SD-MC-03 | 2 / 2 | 2.9 | 22 |
| 4,4'-DDT | 26 | J | 26 | J | SD-MC-03 | 1 / 2 | 2.9 | 14 |
| Aldrin | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| Alpha-BHC | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| alpha-Chlordane | 69 | J | 69 | J | SD-MC-03 | 1 / 2 | 1.5 | 35 |
| Aroclor 1016 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| Aroclor 1221 | | | | | | 0 / 2 | 3.4 - 59 | 15.6 |
| Aroclor 1232 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| Aroclor 1242 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| Aroclor 1248 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| Aroclor 1254 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| Aroclor 1260 | | | | | | 0 / 2 | 3.4 - 29 | 8.1 |
| beta-BHC | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| delta-BHC | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |

**TABLE 2-41**
**SEDIMENT DATA SUMMARY - STATION 03-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 2 | 0.85 - 2.9 | 0.94 |
| Endosulfan I | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| Endosulfan II | | | | | | 0 / 2 | 0.85 - 2.9 | 0.94 |
| Endosulfan sulfate | | | | | | 0 / 2 | 0.85 - 2.9 | 0.94 |
| Endrin | | | | | | 0 / 2 | 0.85 - 2.9 | 0.94 |
| Endrin Aldehyde | | | | | | 0 / 1 | 2.9 | 1.5 |
| Endrin ketone | | | | | | 0 / 2 | 0.85 - 2.9 | 0.94 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| Heptachlor | | | | | | 0 / 2 | 0.85 - 1.5 | 0.59 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.85 - 1.5 | 0.6 |
| Methoxychlor | | | | | | 0 / 2 | 4.2 - 15 | 4.8 |
| Toxaphene | | | | | | 0 / 2 | 8.5 - 150 | 40 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 15200 | | 20200 | | SD-MC-03-TR | 2 / 2 | 9.14 | 17700 |
| Antimony | 0.93 | J | 1.5 | | SD-MC-03-TR | 2 / 2 | 0.74 | 1.2 |
| Arsenic | 21.4 | | 34.4 | | SD-MC-03-TR | 2 / 2 | 1 | 28 |
| Barium | 89.6 | | 155 | | SD-MC-03-TR | 2 / 2 | 0.4 | 122 |
| Beryllium | 0.95 | | 1.3 | J | SD-MC-03-TR | 2 / 2 | 0.2 | 1.1 |
| Cadmium | 2.8 | | 4.1 | | SD-MC-03-TR | 2 / 2 | 0.6 | 3.5 |
| Calcium | 6570 | | 6570 | | SD-MC-03-TR | 1 / 1 | 2.14 | 6570 |
| Chromium | 46.2 | J | 71.1 | | SD-MC-03-TR | 2 / 2 | 1 | 59 |
| Cobalt | 13.2 | | 19.2 | J | SD-MC-03-TR | 2 / 2 | 0.36 | 16 |
| Copper | 75 | | 125 | | SD-MC-03-TR | 2 / 2 | 0.44 | 100 |
| Iron | 20300 | | 27700 | | SD-MC-03-TR | 2 / 2 | 1.4 | 24000 |
| Lead | 153 | | 259 | | SD-MC-03-TR | 2 / 2 | 0.6 | 206 |
| Magnesium | 5810 | | 5810 | | SD-MC-03-TR | 1 / 1 | 15.18 | 5810 |
| Manganese | 383 | | 423 | | SD-MC-03-TR | 2 / 2 | 0.24 | 403 |
| Mercury | 0.09 | J | 0.26 | | SD-MC-03 | 2 / 2 | 0.02 | 0.18 |
| Nickel | 24.3 | | 32.1 | | SD-MC-03-TR | 2 / 2 | 0.8 | 28 |
| Potassium | 2330 | J | 2330 | J | SD-MC-03-TR | 1 / 1 | 4.38 | 2330 |
| Selenium | 0.88 | J | 0.88 | J | SD-MC-03 | 1 / 2 | 1 | 0.69 |
| Silver | 0.9 | | 0.9 | | SD-MC-03 | 1 / 2 | 1 | 0.70 |
| Sodium | 5400 | | 5400 | | SD-MC-03-TR | 1 / 1 | 98.04 | 5400 |
| Thallium | | | | | | 0 / 2 | 0.55 - 1.1 | 0.41 |
| Vanadium | 43.5 | | 56 | | SD-MC-03-TR | 2 / 2 | 0.64 | 50 |
| Zinc | 457 | | 645 | J | SD-MC-03-TR | 2 / 2 | 1.7 | 551 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 2.5 | | 2.7 | | SD-MC-03-TR | 2 / 2 | N/A | 2.6 |
| Copper | 44 | | 71 | | SD-MC-03-TR | 2 / 2 | N/A | 58 |
| Lead | 166 | | 169 | | SD-MC-03-TR | 2 / 2 | N/A | 167 |
| Mercury | 0.080 | J | 0.080 | J | SD-MC-03-TR | 1 / 1 | N/A | 0.080 |
| Nickel | 17 | | 17 | | SD-MC-03-TR | 1 / 2 | 42.2568 | 19 |
| SEM/AVS Ratio | 0.16 | J | 60 | | SD-MC-03-TR | 2 / 2 | N/A | 30 |
| Sulfide | 4.5 | J | 1445 | J | SD-MC-03 | 2 / 2 | N/A | 724 |
| Zinc | 366 | J | 400 | J | SD-MC-03-TR | 2 / 2 | N/A | 383 |
| Total Organic Carbon | 110000 | J | 330000 | | SD-MC-03-TR | 2 / 2 | 250 | 220000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-42**
**SEDIMENT DATA SUMMARY - STATION 04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 32 | 16 |
| 1,1,2-Trichloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,1-Dichloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,1-Dichloroethene | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 32 | 16 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 32 | 16 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 32 | 16 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 32 | 16 |
| 1,2-Dichloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,2-Dichloropropane | | | | | | 0 / 2 | 13 - 32 | 11 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 32 | 16 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 32 | 16 |
| 2-Butanone | | | | | | 0 / 2 | 13 - 32 | 11 |
| 2-Hexanone | | | | | | 0 / 2 | 13 - 32 | 11 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 32 | 16 |
| Acetone | | | | | | 0 / 2 | 32 - 180 | 54 |
| Benzene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Bromodichloromethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| Bromoform | | | | | | 0 / 2 | 13 - 32 | 11 |
| Bromomethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| Carbon Disulfide | | | | | | 0 / 2 | 13 - 32 | 11 |
| Carbon Tetrachloride | | | | | | 0 / 2 | 32 - 34 | 17 |
| Chlorobenzene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Chloroethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| Chloroform | | | | | | 0 / 2 | 32 - 34 | 17 |
| Chloromethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| cis-1,2-Dichloroethene | | | | | | 0 / 2 | 13 - 32 | 11 |
| cis-1,3-Dichloropropene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Cyclohexane | | | | | | 0 / 1 | 32 | 16 |
| Dibromochloromethane | | | | | | 0 / 2 | 13 - 32 | 11 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 32 | 16 |
| Ethylbenzene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Isopropylbenzene | | | | | | 0 / 1 | 32 | 16 |
| Methyl Acetate | 36 | | 36 | | SD-MC-04-TR | 1 / 1 | 32 | 36 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 1 | 13 | 6.5 |
| Methyl tert-Butyl Ether | | | | | | 0 / 1 | 32 | 16 |
| Methylcyclohexane | | | | | | 0 / 1 | 32 | 16 |
| Methylene Chloride | | | | | | 0 / 2 | 32 - 34 | 17 |
| Styrene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Tetrachloroethene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Toluene | | | | | | 0 / 2 | 32 - 34 | 17 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 13 - 32 | 11 |
| trans-1,3-Dichloropropene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Trichloroethene | | | | | | 0 / 2 | 13 - 32 | 11 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 32 | 16 |
| Vinyl chloride | | | | | | 0 / 2 | 13 - 32 | 11 |
| Xylene, m/p- | | | | | | 0 / 2 | 27 - 32 | 15 |
| Xylene, o- | | | | | | 0 / 2 | 13 - 32 | 11 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 430 | 215 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 400 | 200 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 400 | 200 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 400 | 200 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 400 | 200 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 430 | 215 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 990 - 1100 | 523 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 990 - 1100 | 523 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2-Chlorophenol | | | | | | 0 / 2 | 400 - 430 | 208 |

**TABLE 2-42**
**SEDIMENT DATA SUMMARY - STATION 04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2-Methylphenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 2-Nitroaniline | | | | | | 0 / 2 | 990 - 1100 | 523 |
| 2-Nitrophenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 400 - 430 | 208 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 430 | 215 |
| 3-Nitroaniline | | | | | | 0 / 2 | 400 - 430 | 208 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 990 - 1100 | 523 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 400 - 430 | 208 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| 4-Chloroaniline | | | | | | 0 / 2 | 400 - 430 | 208 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 400 - 430 | 208 |
| 4-Methylphenol | | | | | | 0 / 1 | 400 | 200 |
| 4-Nitroaniline | | | | | | 0 / 2 | 990 - 1100 | 523 |
| 4-Nitrophenol | | | | | | 0 / 2 | 990 - 1100 | 523 |
| Acenaphthene | | | | | | 0 / 2 | 400 - 430 | 208 |
| Acenaphthylene | 200 | J | 200 | J | SD-MC-04 | 1 / 2 | 430 | 208 |
| Acetophenone | | | | | | 0 / 1 | 430 | 215 |
| Anthracene | 320 | J | 320 | J | SD-MC-04 | 1 / 2 | 430 | 268 |
| Atrazine | | | | | | 0 / 1 | 430 | 215 |
| Benzaldehyde | | | | | | 0 / 1 | 430 | 215 |
| Benzo(a)anthracene | 1500 | | 1500 | | SD-MC-04 | 1 / 2 | 430 | 858 |
| Benzo(a)pyrene | 2100 | | 2100 | | SD-MC-04 | 1 / 2 | 430 | 1158 |
| Benzo(b)fluoranthene | 210 | J | 3000 | | SD-MC-04 | 2 / 2 | 430 | 1605 |
| Benzo(g,h,i)perylene | 1400 | | 1400 | | SD-MC-04 | 1 / 2 | 430 | 808 |
| Benzo(k)fluoranthene | 2200 | | 2200 | | SD-MC-04 | 1 / 2 | 430 | 1208 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 400 - 430 | 208 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 400 - 430 | 208 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 400 | 200 |
| bis(2-Ethylhexyl)phthalate | 180 | J | 180 | J | SD-MC-04 | 1 / 2 | 430 | 198 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 400 - 430 | 208 |
| Caprolactam | | | | | | 0 / 1 | 430 | 215 |
| Carbazole | 220 | J | 220 | J | SD-MC-04 | 1 / 2 | 430 | 218 |
| Chrysene | 2600 | | 2600 | | SD-MC-04 | 1 / 2 | 430 | 1408 |
| Dibenz(a,h)anthracene | 350 | J | 350 | J | SD-MC-04 | 1 / 2 | 430 | 283 |
| Dibenzofuran | 120 | J | 120 | J | SD-MC-04 | 1 / 2 | 430 | 168 |
| Diethylphthalate | | | | | | 0 / 2 | 400 - 430 | 208 |
| Dimethylphthalate | | | | | | 0 / 2 | 400 - 430 | 208 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 400 - 430 | 208 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 400 - 430 | 208 |
| Fluoranthene | 230 | J | 3700 | | SD-MC-04 | 2 / 2 | 430 | 1965 |
| Fluorene | 160 | J | 160 | J | SD-MC-04 | 1 / 2 | 430 | 188 |
| Hexachlorobenzene | | | | | | 0 / 2 | 400 - 430 | 208 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 400 - 430 | 208 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 430 - 990 | 355 |
| Hexachloroethane | | | | | | 0 / 2 | 400 - 430 | 208 |
| Indeno(1,2,3-cd)pyrene | 1800 | | 1800 | | SD-MC-04 | 1 / 2 | 430 | 1008 |
| Isophorone | | | | | | 0 / 2 | 400 - 430 | 208 |
| Naphthalene | 110 | J | 110 | J | SD-MC-04 | 1 / 2 | 430 | 163 |
| Nitrobenzene | | | | | | 0 / 2 | 400 - 430 | 208 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 400 - 430 | 208 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 400 - 430 | 208 |
| Pentachlorophenol | | | | | | 0 / 2 | 990 - 1100 | 523 |
| Phenanthrene | 1600 | | 1600 | | SD-MC-04 | 1 / 2 | 430 | 908 |
| Phenol | | | | | | 0 / 2 | 400 - 430 | 208 |
| Pyrene | 220 | J | 3400 | | SD-MC-04 | 2 / 2 | 430 | 1810 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 27 | | 27 | | SD-MC-04 | 1 / 2 | 3.4 | 14 |
| 4,4'-DDE | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| 4,4'-DDT | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| Aldrin | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Alpha-BHC | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| alpha-Chlordane | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Aroclor 1016 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| Aroclor 1221 | | | | | | 0 / 2 | 3.9 - 67 | 18 |
| Aroclor 1232 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| Aroclor 1242 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| Aroclor 1248 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| Aroclor 1254 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| Aroclor 1260 | | | | | | 0 / 2 | 3.9 - 34 | 9.5 |
| beta-BHC | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| delta-BHC | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |

**TABLE 2-42**
**SEDIMENT DATA SUMMARY - STATION 04-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| Endosulfan I | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Endosulfan II | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| Endosulfan sulfate | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| Endrin | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| Endrin Aldehyde | | | | | | 0 / 1 | 3.4 | 1.7 |
| Endrin ketone | | | | | | 0 / 2 | 0.99 - 3.4 | 1.1 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Heptachlor | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.99 - 1.7 | 0.67 |
| Methoxychlor | | | | | | 0 / 2 | 4.9 - 17 | 5.5 |
| Toxaphene | | | | | | 0 / 2 | 9.9 - 170 | 45 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 10200 | | 11600 | | SD-MC-04-TR | 2 / 2 | 9.14 | 10900 |
| Antimony | 1.2 | J | 5.6 | | SD-MC-04-TR | 2 / 2 | 0.74 | 3.4 |
| Arsenic | 32.7 | | 44.5 | | SD-MC-04-TR | 2 / 2 | 1 | 39 |
| Barium | 108 | | 173 | | SD-MC-04-TR | 2 / 2 | 0.4 | 141 |
| Beryllium | 0.71 | | 0.87 | J | SD-MC-04-TR | 2 / 2 | 0.2 | 0.79 |
| Cadmium | 5.2 | | 6.1 | | SD-MC-04 | 2 / 2 | 0.6 | 5.7 |
| Calcium | 9640 | | 9640 | | SD-MC-04-TR | 1 / 1 | 2.14 | 9640 |
| Chromium | 311 | J | 512 | | SD-MC-04-TR | 2 / 2 | 1 | 412 |
| Cobalt | 21 | | 21.8 | J | SD-MC-04-TR | 2 / 2 | 0.36 | 21 |
| Copper | 290 | | 344 | | SD-MC-04-TR | 2 / 2 | 0.44 | 317 |
| Iron | 36400 | | 51600 | | SD-MC-04-TR | 2 / 2 | 1.4 | 44000 |
| Lead | 49 | | 369 | | SD-MC-04-TR | 2 / 2 | 0.6 | 209 |
| Magnesium | 2890 | | 2890 | | SD-MC-04-TR | 1 / 1 | 15.18 | 2890 |
| Manganese | 1520 | | 1980 | | SD-MC-04-TR | 2 / 2 | 0.24 | 1750 |
| Mercury | 0.08 | J | 0.6 | | SD-MC-04 | 2 / 2 | 0.02 | 0.34 |
| Nickel | 25.6 | | 25.8 | | SD-MC-04 | 2 / 2 | 0.8 | 26 |
| Potassium | 724 | J | 724 | J | SD-MC-04-TR | 1 / 1 | 4.38 | 724 |
| Selenium | 1.5 | J | 1.5 | J | SD-MC-04 | 1 / 2 | 1 | 1.0 |
| Silver | 0.75 | | 0.75 | | SD-MC-04 | 1 / 2 | 1 | 0.63 |
| Sodium | 402 | | 402 | | SD-MC-04-TR | 1 / 1 | 98.04 | 402 |
| Thallium | | | | | | 0 / 2 | 0.62 - 1.1 | 0.43 |
| Vanadium | 50.2 | | 53.8 | | SD-MC-04-TR | 2 / 2 | 0.64 | 52 |
| Zinc | 590 | | 611 | J | SD-MC-04-TR | 2 / 2 | 1.7 | 601 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 2.8 | | 6.0 | | SD-MC-04 | 2 / 2 | N/A | 4.4 |
| Copper | 164 | | 279 | | SD-MC-04 | 2 / 2 | N/A | 222 |
| Lead | 193 | | 373 | | SD-MC-04 | 2 / 2 | N/A | 283 |
| Mercury | 0.10 | J | 0.10 | J | SD-MC-04-TR | 1 / 1 | N/A | 0.10 |
| Nickel | 10 | | 10 | | SD-MC-04-TR | 1 / 2 | 39.3223 | 15 |
| SEM/AVS Ratio | 3.4 | J | 64 | | SD-MC-04-TR | 2 / 2 | N/A | 34 |
| Sulfide | 138 | J | 138 | J | SD-MC-04 | 1 / 2 | 4.173 | 70 |
| Zinc | 305 | J | 536 | | SD-MC-04 | 2 / 2 | N/A | 421 |
| Total Organic Carbon | 120000 | J | 290000 | | SD-MC-04-TR | 2 / 2 | 250 | 205000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-43
## SEDIMENT DATA SUMMARY - STATION 12-IP
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 17 | 8.5 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 17 | 8.5 |
| 2-Butanone | 230 | | 230 | | SD-MC-12 | 1 / 1 | N/A | 230 |
| 2-Hexanone | | | | | | 0 / 1 | 17 | 8.5 |
| Acetone | 670 | J | 670 | J | SD-MC-12 | 1 / 1 | N/A | 670 |
| Benzene | | | | | | 0 / 1 | 17 | 8.5 |
| Bromodichloromethane | | | | | | 0 / 1 | 17 | 8.5 |
| Bromoform | | | | | | 0 / 1 | 17 | 8.5 |
| Bromomethane | | | | | | 0 / 1 | 84 | 42 |
| Carbon Disulfide | | | | | | 0 / 1 | 17 | 8.5 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 17 | 8.5 |
| Chlorobenzene | | | | | | 0 / 1 | 17 | 8.5 |
| Chloroethane | | | | | | 0 / 1 | 17 | 8.5 |
| Chloroform | | | | | | 0 / 1 | 42 | 21 |
| Chloromethane | | | | | | 0 / 1 | 17 | 8.5 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 17 | 8.5 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 17 | 8.5 |
| Dibromochloromethane | | | | | | 0 / 1 | 17 | 8.5 |
| Ethylbenzene | | | | | | 0 / 1 | 17 | 8.5 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 1 | 17 | 8.5 |
| Methylene Chloride | | | | | | 0 / 1 | 42 | 21 |
| Styrene | | | | | | 0 / 1 | 17 | 8.5 |
| Tetrachloroethene | | | | | | 0 / 1 | 17 | 8.5 |
| Toluene | | | | | | 0 / 1 | 17 | 8.5 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 17 | 8.5 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 17 | 8.5 |
| Trichloroethene | | | | | | 0 / 1 | 17 | 8.5 |
| Vinyl chloride | | | | | | 0 / 1 | 17 | 8.5 |
| Xylene, m/p- | | | | | | 0 / 1 | 34 | 17 |
| Xylene, o- | | | | | | 0 / 1 | 17 | 8.5 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 320 | 160 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 320 | 160 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 320 | 160 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 320 | 160 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 790 | 395 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 320 | 160 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 320 | 160 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 320 | 160 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 790 | 395 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 320 | 160 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 320 | 160 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 320 | 160 |
| 2-Chlorophenol | | | | | | 0 / 1 | 320 | 160 |
| 2-Methylnaphthalene | 81 | J | 81 | J | SD-MC-12 | 1 / 1 | N/A | 81 |
| 2-Methylphenol | | | | | | 0 / 1 | 320 | 160 |
| 2-Nitroaniline | | | | | | 0 / 1 | 790 | 395 |
| 2-Nitrophenol | | | | | | 0 / 1 | 320 | 160 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 320 | 160 |
| 3-Nitroaniline | | | | | | 0 / 1 | 320 | 160 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 790 | 395 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 320 | 160 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 320 | 160 |
| 4-Chloroaniline | | | | | | 0 / 1 | 320 | 160 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 320 | 160 |
| 4-Methylphenol | | | | | | 0 / 1 | 320 | 160 |

**TABLE 2-43**
**SEDIMENT DATA SUMMARY - STATION 12-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Nitroaniline | | | | | | 0 / 1 | 790 | 395 |
| 4-Nitrophenol | | | | | | 0 / 1 | 790 | 395 |
| Acenaphthene | 81 | J | 81 | J | SD-MC-12 | 1 / 1 | N/A | 81 |
| Acenaphthylene | 190 | J | 190 | J | SD-MC-12 | 1 / 1 | N/A | 190 |
| Anthracene | 380 | | 380 | | SD-MC-12 | 1 / 1 | N/A | 380 |
| Benzo(a)anthracene | 1400 | | 1400 | | SD-MC-12 | 1 / 1 | N/A | 1400 |
| Benzo(a)pyrene | 1900 | | 1900 | | SD-MC-12 | 1 / 1 | N/A | 1900 |
| Benzo(b)fluoranthene | 2100 | | 2100 | | SD-MC-12 | 1 / 1 | N/A | 2100 |
| Benzo(g,h,i)perylene | 1100 | | 1100 | | SD-MC-12 | 1 / 1 | N/A | 1100 |
| Benzo(k)fluoranthene | 2000 | | 2000 | | SD-MC-12 | 1 / 1 | N/A | 2000 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 320 | 160 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 320 | 160 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 1 | 320 | 160 |
| bis(2-Ethylhexyl)phthalate | 100 | J | 100 | J | SD-MC-12 | 1 / 1 | N/A | 100 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 320 | 160 |
| Carbazole | 170 | J | 170 | J | SD-MC-12 | 1 / 1 | N/A | 170 |
| Chrysene | 2100 | | 2100 | | SD-MC-12 | 1 / 1 | N/A | 2100 |
| Di-n-butylphthalate | | | | | | 0 / 1 | 320 | 160 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 320 | 160 |
| Dibenz(a,h)anthracene | 320 | | 320 | | SD-MC-12 | 1 / 1 | N/A | 320 |
| Dibenzofuran | 120 | J | 120 | J | SD-MC-12 | 1 / 1 | N/A | 120 |
| Diethylphthalate | | | | | | 0 / 1 | 320 | 160 |
| Dimethylphthalate | | | | | | 0 / 1 | 320 | 160 |
| Fluoranthene | 3100 | | 3100 | | SD-MC-12 | 1 / 1 | N/A | 3100 |
| Fluorene | 190 | J | 190 | J | SD-MC-12 | 1 / 1 | N/A | 190 |
| Hexachlorobenzene | | | | | | 0 / 1 | 320 | 160 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 320 | 160 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 790 | 395 |
| Hexachloroethane | | | | | | 0 / 1 | 320 | 160 |
| Indeno(1,2,3-cd)pyrene | 1400 | | 1400 | | SD-MC-12 | 1 / 1 | N/A | 1400 |
| Isophorone | | | | | | 0 / 1 | 320 | 160 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 320 | 160 |
| N-nitrosodiphenylamine | | | | | | 0 / 1 | 320 | 160 |
| Naphthalene | 160 | J | 160 | J | SD-MC-12 | 1 / 1 | N/A | 160 |
| Nitrobenzene | | | | | | 0 / 1 | 320 | 160 |
| Pentachlorophenol | | | | | | 0 / 1 | 790 | 395 |
| Phenanthrene | 1500 | | 1500 | | SD-MC-12 | 1 / 1 | N/A | 1500 |
| Phenol | | | | | | 0 / 1 | 320 | 160 |
| Pyrene | 2900 | | 2900 | | SD-MC-12 | 1 / 1 | N/A | 2900 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 8 | | 8 | | SD-MC-12 | 1 / 1 | N/A | 8.0 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.79 | 0.40 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.79 | 0.40 |
| Aldrin | | | | | | 0 / 1 | 0.79 | 0.40 |
| Alpha-BHC | | | | | | 0 / 1 | 0.79 | 0.40 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.79 | 0.40 |
| Aroclor 1016 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1221 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1232 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1242 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1248 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1254 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1260 | | | | | | 0 / 1 | 3.2 | 1.6 |
| beta-BHC | | | | | | 0 / 1 | 0.79 | 0.40 |
| delta-BHC | | | | | | 0 / 1 | 0.79 | 0.40 |

**TABLE 2-43**
**SEDIMENT DATA SUMMARY - STATION 12-IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | | | | 0 / 1 | 0.79 | 0.40 |
| Endosulfan I | | | | | | 0 / 1 | 0.79 | 0.40 |
| Endosulfan II | | | | | | 0 / 1 | 0.79 | 0.40 |
| Endosulfan sulfate | | | | | | 0 / 1 | 0.79 | 0.40 |
| Endrin | | | | | | 0 / 1 | 0.79 | 0.40 |
| Endrin ketone | | | | | | 0 / 1 | 0.79 | 0.40 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.79 | 0.40 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.79 | 0.40 |
| Heptachlor | | | | | | 0 / 1 | 0.79 | 0.40 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.79 | 0.40 |
| Methoxychlor | | | | | | 0 / 1 | 4 | 2.0 |
| Toxaphene | | | | | | 0 / 1 | 7.9 | 4.0 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 7520 | | 7520 | | SD-MC-12 | 1 / 1 | N/A | 7520 |
| Antimony | 0.71 | J | 0.71 | J | SD-MC-12 | 1 / 1 | N/A | 0.71 |
| Arsenic | 22.8 | | 22.8 | | SD-MC-12 | 1 / 1 | N/A | 23 |
| Barium | 70.5 | | 70.5 | | SD-MC-12 | 1 / 1 | N/A | 71 |
| Beryllium | 0.52 | | 0.52 | | SD-MC-12 | 1 / 1 | N/A | 0.52 |
| Cadmium | 1.2 | | 1.2 | | SD-MC-12 | 1 / 1 | N/A | 1.2 |
| Chromium | 198 | J | 198 | J | SD-MC-12 | 1 / 1 | N/A | 198 |
| Cobalt | 9.2 | J | 9.2 | J | SD-MC-12 | 1 / 1 | N/A | 9.2 |
| Copper | 36.3 | | 36.3 | | SD-MC-12 | 1 / 1 | N/A | 36 |
| Iron | 17800 | | 17800 | | SD-MC-12 | 1 / 1 | N/A | 17800 |
| Lead | 153 | | 153 | | SD-MC-12 | 1 / 1 | N/A | 153 |
| Manganese | 1180 | | 1180 | | SD-MC-12 | 1 / 1 | N/A | 1180 |
| Mercury | 0.42 | | 0.42 | | SD-MC-12 | 1 / 1 | N/A | 0.42 |
| Nickel | 10.9 | | 10.9 | | SD-MC-12 | 1 / 1 | N/A | 11 |
| Selenium | 1.2 | J | 1.2 | J | SD-MC-12 | 1 / 1 | N/A | 1.2 |
| Silver | 0.2 | J | 0.2 | J | SD-MC-12 | 1 / 1 | N/A | 0.20 |
| Thallium | | | | | | 0 / 1 | 0.49 | 0.25 |
| Vanadium | 23.7 | | 23.7 | | SD-MC-12 | 1 / 1 | N/A | 24 |
| Zinc | 234 | | 234 | | SD-MC-12 | 1 / 1 | N/A | 234 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 2.6 | | 2.6 | | SD-MC-12 | 1 / 1 | N/A | 2.6 |
| Copper | 35 | | 35 | | SD-MC-12 | 1 / 1 | N/A | 35 |
| Lead | 189 | | 189 | | SD-MC-12 | 1 / 1 | N/A | 189 |
| Nickel | | | | | | 0 / 1 | 39.9092 | 20 |
| SEM/AVS Ratio | 3.8 | J | 3.8 | J | SD-MC-12 | 1 / 1 | N/A | 3.8 |
| Sulfide | 48 | J | 48 | J | SD-MC-12 | 1 / 1 | N/A | 48 |
| Zinc | 41 | | 41 | | SD-MC-12 | 1 / 1 | N/A | 41 |
| Total Organic Carbon (mg/Kg) | 130000 | J | 130000 | J | SD-MC-12 | 1 / 1 | N/A | 130000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-44**
**SEDIMENT DATA SUMMARY - STATION HB**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 30 | 15 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 30 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 30 | 15 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 30 | 15 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 30 | 15 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 30 | 15 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 30 | 15 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 30 | 15 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 30 | 15 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 30 | 15 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 30 | 15 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 30 | 15 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 30 | 15 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 30 | 15 |
| 2-Butanone | | | | | | 0 / 1 | 30 | 15 |
| 2-Hexanone | | | | | | 0 / 1 | 30 | 15 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 30 | 15 |
| Acetone | | | | | | 0 / 1 | 120 | 60 |
| Benzene | | | | | | 0 / 1 | 30 | 15 |
| Bromodichloromethane | | | | | | 0 / 1 | 30 | 15 |
| Bromoform | | | | | | 0 / 1 | 30 | 15 |
| Bromomethane | | | | | | 0 / 1 | 30 | 15 |
| Carbon Disulfide | | | | | | 0 / 1 | 30 | 15 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 30 | 15 |
| Chlorobenzene | | | | | | 0 / 1 | 30 | 15 |
| Chloroethane | | | | | | 0 / 1 | 30 | 15 |
| Chloroform | | | | | | 0 / 1 | 30 | 15 |
| Chloromethane | | | | | | 0 / 1 | 30 | 15 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 30 | 15 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 30 | 15 |
| Cyclohexane | | | | | | 0 / 1 | 30 | 15 |
| Dibromochloromethane | | | | | | 0 / 1 | 30 | 15 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 30 | 15 |
| Ethylbenzene | | | | | | 0 / 1 | 30 | 15 |
| Isopropylbenzene | | | | | | 0 / 1 | 30 | 15 |
| Methyl Acetate | 58 | | 58 | | SD-HB-00-TR | 1 / 1 | 10 | 58 |
| Methyl tert-Butyl Ether | | | | | | 0 / 1 | 30 | 15 |
| Methylcyclohexane | | | | | | 0 / 1 | 30 | 15 |
| Methylene Chloride | | | | | | 0 / 1 | 30 | 15 |
| Styrene | | | | | | 0 / 1 | 30 | 15 |
| Tetrachloroethene | | | | | | 0 / 1 | 30 | 15 |
| Toluene | | | | | | 0 / 1 | 30 | 15 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 30 | 15 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 30 | 15 |
| Trichloroethene | | | | | | 0 / 1 | 30 | 15 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 30 | 15 |
| Vinyl Chloride | | | | | | 0 / 1 | 30 | 15 |
| Xylene, m/p- | | | | | | 0 / 1 | 30 | 15 |
| Xylene, o- | | | | | | 0 / 1 | 30 | 15 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 460 | 230 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 460 | 230 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 1100 | 550 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 460 | 230 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 460 | 230 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 460 | 230 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 1100 | 550 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 460 | 230 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 460 | 230 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 460 | 230 |
| 2-Chlorophenol | | | | | | 0 / 1 | 460 | 230 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 460 | 230 |
| 2-Methylphenol | | | | | | 0 / 1 | 460 | 230 |
| 2-Nitroaniline | | | | | | 0 / 1 | 1100 | 550 |
| 2-Nitrophenol | | | | | | 0 / 1 | 460 | 230 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 460 | 230 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 460 | 230 |
| 3-Nitroaniline | | | | | | 0 / 1 | 460 | 230 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 1100 | 550 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 460 | 230 |

**TABLE 2-44**
**SEDIMENT DATA SUMMARY - STATION HB**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 460 | 230 |
| 4-Chloroaniline | | | | | | 0 / 1 | 460 | 230 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 460 | 230 |
| 4-Nitroaniline | | | | | | 0 / 1 | 1100 | 550 |
| 4-Nitrophenol | | | | | | 0 / 1 | 1100 | 550 |
| Acenaphthene | | | | | | 0 / 1 | 460 | 230 |
| Acenaphthylene | | | | | | 0 / 1 | 460 | 230 |
| Acetophenone | | | | | | 0 / 1 | 460 | 230 |
| Anthracene | | | | | | 0 / 1 | 460 | 230 |
| Atrazine | | | | | | 0 / 1 | 460 | 230 |
| Benzaldehyde | | | | | | 0 / 1 | 460 | 230 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 460 | 230 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 460 | 230 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 460 | 230 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 460 | 230 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 460 | 230 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 460 | 230 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 460 | 230 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 460 | 230 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 460 | 230 |
| Caprolactam | | | | | | 0 / 1 | 460 | 230 |
| Carbazole | | | | | | 0 / 1 | 460 | 230 |
| Chrysene | | | | | | 0 / 1 | 460 | 230 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 460 | 230 |
| Dibenzofuran | | | | | | 0 / 1 | 460 | 230 |
| Diethylphthalate | | | | | | 0 / 1 | 460 | 230 |
| Dimethylphthalate | | | | | | 0 / 1 | 460 | 230 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 460 | 230 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 460 | 230 |
| Fluoranthene | | | | | | 0 / 1 | 460 | 230 |
| Fluorene | | | | | | 0 / 1 | 460 | 230 |
| Hexachlorobenzene | | | | | | 0 / 1 | 460 | 230 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 460 | 230 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 460 | 230 |
| Hexachloroethane | | | | | | 0 / 1 | 460 | 230 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 460 | 230 |
| Isophorone | | | | | | 0 / 1 | 460 | 230 |
| Naphthalene sv | | | | | | 0 / 1 | 460 | 230 |
| Nitrobenzene | | | | | | 0 / 1 | 460 | 230 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 460 | 230 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 460 | 230 |
| Pentachlorophenol | | | | | | 0 / 1 | 1100 | 550 |
| Phenanthrene | | | | | | 0 / 1 | 460 | 230 |
| Phenol | | | | | | 0 / 1 | 460 | 230 |
| Pyrene | | | | | | 0 / 1 | 460 | 230 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 3.6 | 1.8 |
| 4,4'-DDE | | | | | | 0 / 1 | 3.6 | 1.8 |
| 4,4'-DDT | | | | | | 0 / 1 | 3.6 | 1.8 |
| Aldrin | | | | | | 0 / 1 | 1.8 | 0.9 |
| alpha-BHC | | | | | | 0 / 1 | 1.8 | 0.90 |
| alpha-Chlordane | | | | | | 0 / 1 | 1.8 | 0.90 |
| Aroclor 1016 | | | | | | 0 / 1 | 36 | 18 |
| Aroclor 1221 | | | | | | 0 / 1 | 72 | 36 |
| Aroclor 1232 | | | | | | 0 / 1 | 36 | 18 |
| Aroclor 1242 | | | | | | 0 / 1 | 36 | 18 |
| Aroclor 1248 | | | | | | 0 / 1 | 36 | 18 |
| Aroclor 1254 | | | | | | 0 / 1 | 36 | 18 |
| Aroclor 1260 | | | | | | 0 / 1 | 36 | 18 |
| beta-BHC | | | | | | 0 / 1 | 1.8 | 0.90 |
| delta-BHC | | | | | | 0 / 1 | 1.8 | 0.90 |
| Dieldrin | | | | | | 0 / 1 | 3.6 | 1.8 |
| Endosulfan I | | | | | | 0 / 1 | 1.8 | 0.90 |
| Endosulfan II | | | | | | 0 / 1 | 3.6 | 1.8 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 3.6 | 1.8 |
| Endrin | | | | | | 0 / 1 | 3.6 | 1.8 |
| Endrin Aldehyde | | | | | | 0 / 1 | 3.6 | 1.8 |
| Endrin Ketone | | | | | | 0 / 1 | 3.6 | 1.8 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 1.8 | 0.90 |
| gamma-Chlordane | | | | | | 0 / 1 | 1.8 | 0.90 |
| Heptachlor | | | | | | 0 / 1 | 1.8 | 0.90 |

**TABLE 2-44**
**SEDIMENT DATA SUMMARY - STATION HB**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Heptachlor Epoxide | | | | | | 0 / 1 | 1.8 | 0.90 |
| Methoxychlor | | | | | | 0 / 1 | 18 | 9.0 |
| Toxaphene | | | | | | 0 / 1 | 180 | 90 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6150 | | 6150 | | SD-HB-00-TR | 1 / 1 | 9.14 | 6150 |
| Antimony | 0.77 | J | 0.77 | J | SD-HB-00-TR | 1 / 1 | 0.74 | 0.77 |
| Arsenic | 16.2 | | 16.2 | | SD-HB-00-TR | 1 / 1 | 1 | 16 |
| Barium | 59.4 | | 59.4 | | SD-HB-00-TR | 1 / 1 | 0.4 | 59 |
| Beryllium | 0.73 | J | 0.73 | J | SD-HB-00-TR | 1 / 1 | 0.2 | 0.73 |
| Cadmium | 2.9 | | 2.9 | | SD-HB-00-TR | 1 / 1 | 0.6 | 2.9 |
| Calcium | 9160 | | 9160 | | SD-HB-00-TR | 1 / 1 | 2.14 | 9160 |
| Chromium | 18.2 | | 18.2 | | SD-HB-00-TR | 1 / 1 | 1 | 18 |
| Cobalt | 12.2 | J | 12.2 | J | SD-HB-00-TR | 1 / 1 | 0.36 | 12 |
| Copper | 37.5 | | 37.5 | | SD-HB-00-TR | 1 / 1 | 0.44 | 38 |
| Iron | 23300 | | 23300 | | SD-HB-00-TR | 1 / 1 | 1.4 | 23300 |
| Lead | 233 | | 233 | | SD-HB-00-TR | 1 / 1 | 0.6 | 233 |
| Magnesium | 1910 | | 1910 | | SD-HB-00-TR | 1 / 1 | 15.18 | 1910 |
| Manganese | 58.1 | | 58.1 | | SD-HB-00-TR | 1 / 1 | 0.24 | 58 |
| Mercury | | | | | | 0 / 1 | 0.02 | 0.010 |
| Nickel | 27.3 | | 27.3 | | SD-HB-00-TR | 1 / 1 | 0.8 | 27 |
| Potassium | 395 | J | 395 | J | SD-HB-00-TR | 1 / 1 | 4.38 | 395 |
| Selenium | | | | | | 0 / 1 | 0.99 | 0.50 |
| Silver | | | | | | 0 / 1 | 0.99 | 0.50 |
| Sodium | 400 | | 400 | | SD-HB-00-TR | 1 / 1 | 98.04 | 400 |
| Thallium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Vanadium | 33.2 | | 33.2 | | SD-HB-00-TR | 1 / 1 | 0.64 | 33 |
| Zinc | 207 | J | 207 | J | SD-HB-00-TR | 1 / 1 | 1.7 | 207 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 1.6 | | 1.6 | | SD-HB-00-TR | 1 / 1 | N/A | 1.6 |
| Copper | 7.8 | | 7.8 | | SD-HB-00-TR | 1 / 1 | N/A | 7.8 |
| Lead | 139 | | 139 | | SD-HB-00-TR | 1 / 1 | N/A | 139 |
| Mercury | 0.020 | J | 0.020 | J | SD-HB-00-TR | 1 / 1 | N/A | 0.020 |
| Nickel | 5.9 | | 5.9 | | SD-HB-00-TR | 1 / 1 | N/A | 5.9 |
| SEM/AVS Ratio | 21 | | 21 | | SD-HB-00-TR | 1 / 1 | N/A | 21 |
| Sulfide | | | | | | 0 / 1 | 4.494 | 2.2 |
| Zinc | 136 | J | 136 | J | SD-HB-00-TR | 1 / 1 | N/A | 136 |
| | | | | | | | | |
| Total Organic Carbon | 250000 | | 250000 | | SD-HB-00-TR | 1 / 1 | 250 | 250000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-45**
**SEDIMENT DATA SUMMARY - STATION SA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 16 | 8 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 16 | 8 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 16 | 8 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 16 | 8 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 16 | 8 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 16 | 8 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 16 | 8 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 16 | 8 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 16 | 8 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 16 | 8 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 16 | 8 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 16 | 8 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 16 | 8 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 16 | 8 |
| 2-Butanone | | | | | | 0 / 1 | 16 | 8 |
| 2-Hexanone | | | | | | 0 / 1 | 16 | 8 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 16 | 8 |
| Acetone | | | | | | 0 / 1 | 180 | 90 |
| Benzene | | | | | | 0 / 1 | 16 | 8 |
| Bromodichloromethane | | | | | | 0 / 1 | 16 | 8 |
| Bromoform | | | | | | 0 / 1 | 16 | 8 |
| Bromomethane | | | | | | 0 / 1 | 16 | 8 |
| Carbon Disulfide | | | | | | 0 / 1 | 16 | 8 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 16 | 8 |
| Chlorobenzene | | | | | | 0 / 1 | 16 | 8 |
| Chloroethane | | | | | | 0 / 1 | 16 | 8 |
| Chloroform | | | | | | 0 / 1 | 16 | 8 |
| Chloromethane | | | | | | 0 / 1 | 16 | 8 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 16 | 8 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 16 | 8 |
| Cyclohexane | | | | | | 0 / 1 | 16 | 8 |
| Dibromochloromethane | | | | | | 0 / 1 | 16 | 8 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 16 | 8 |
| Ethylbenzene | | | | | | 0 / 1 | 16 | 8 |
| Isopropylbenzene | | | | | | 0 / 1 | 16 | 8 |
| Methyl Acetate | 24 | | 24 | | SD-SA-01-TR | 1 / 1 | N/A | 24 |
| Methyl tert-Butyl Ether | | | | | | 0 / 1 | 16 | 8 |
| Methylcyclohexane | | | | | | 0 / 1 | 16 | 8 |
| Methylene Chloride | | | | | | 0 / 1 | 49 | 25 |
| Styrene | | | | | | 0 / 1 | 16 | 8 |
| Tetrachloroethene | | | | | | 0 / 1 | 16 | 8 |
| Toluene | 13 | J | 13 | J | SD-SA-01-TR | 1 / 1 | N/A | 13 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 16 | 8 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 16 | 8 |
| Trichloroethene | | | | | | 0 / 1 | 16 | 8 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 16 | 8 |
| Vinyl Chloride | | | | | | 0 / 1 | 16 | 8 |
| Xylene, m/p- | | | | | | 0 / 1 | 16 | 8 |
| Xylene, o- | | | | | | 0 / 1 | 16 | 8 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 230 | 115 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 230 | 115 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 570 | 285 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 230 | 115 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 230 | 115 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 230 | 115 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 570 | 285 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 230 | 115 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 230 | 115 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 230 | 115 |
| 2-Chlorophenol | | | | | | 0 / 1 | 230 | 115 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 230 | 115 |
| 2-Methylphenol | | | | | | 0 / 1 | 230 | 115 |
| 2-Nitroaniline | | | | | | 0 / 1 | 570 | 285 |
| 2-Nitrophenol | | | | | | 0 / 1 | 230 | 115 |

**TABLE 2-45**
**SEDIMENT DATA SUMMARY - STATION SA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 230 | 115 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 230 | 115 |
| 3-Nitroaniline | | | | | | 0 / 1 | 230 | 115 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 570 | 285 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 230 | 115 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 230 | 115 |
| 4-Chloroaniline | | | | | | 0 / 1 | 230 | 115 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 230 | 115 |
| 4-Nitroaniline | | | | | | 0 / 1 | 570 | 285 |
| 4-Nitrophenol | | | | | | 0 / 1 | 570 | 285 |
| Acenaphthene | | | | | | 0 / 1 | 230 | 115 |
| Acenaphthylene | | | | | | 0 / 1 | 230 | 115 |
| Acetophenone | | | | | | 0 / 1 | 230 | 115 |
| Anthracene | | | | | | 0 / 1 | 230 | 115 |
| Atrazine | | | | | | 0 / 1 | 230 | 115 |
| Benzaldehyde | | | | | | 0 / 1 | 230 | 115 |
| Benzo(a)anthracene | 110 | J | 110 | J | SD-SA-01-TR | 1 / 1 | 230 | 110 |
| Benzo(a)pyrene | 130 | J | 130 | J | SD-SA-01-TR | 1 / 1 | 230 | 130 |
| Benzo(b)fluoranthene | 180 | J | 180 | J | SD-SA-01-TR | 1 / 1 | 230 | 180 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 230 | 115 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 230 | 115 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 230 | 115 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 230 | 115 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 230 | 115 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 230 | 115 |
| Caprolactam | | | | | | 0 / 1 | 230 | 115 |
| Carbazole | | | | | | 0 / 1 | 230 | 115 |
| Chrysene | 140 | J | 140 | J | SD-SA-01-TR | 1 / 1 | 230 | 140 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 230 | 115 |
| Dibenzofuran | | | | | | 0 / 1 | 230 | 115 |
| Diethylphthalate | | | | | | 0 / 1 | 230 | 115 |
| Dimethylphthalate | | | | | | 0 / 1 | 230 | 115 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 230 | 115 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 230 | 115 |
| Fluoranthene | 210 | J | 210 | J | SD-SA-01-TR | 1 / 1 | 230 | 210 |
| Fluorene | | | | | | 0 / 1 | 230 | 115 |
| Hexachlorobenzene | | | | | | 0 / 1 | 230 | 115 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 230 | 115 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 230 | 115 |
| Hexachloroethane | | | | | | 0 / 1 | 230 | 115 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 230 | 115 |
| Isophorone | | | | | | 0 / 1 | 230 | 115 |
| Naphthalene sv | | | | | | 0 / 1 | 230 | 115 |
| Nitrobenzene | | | | | | 0 / 1 | 230 | 115 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 230 | 115 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 230 | 115 |
| Pentachlorophenol | | | | | | 0 / 1 | 570 | 285 |
| Phenanthrene | 170 | J | 170 | J | SD-SA-01-TR | 1 / 1 | 570 | 170 |
| Phenol | | | | | | 0 / 1 | 230 | 115 |
| Pyrene | 280 | | 280 | | SD-SA-01-TR | 1 / 1 | 230 | 280 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4.5 | | 4.5 | | SD-SA-01-TR | 1 / 1 | 1.9 | 4.5 |
| 4,4'-DDE | 3.9 | | 3.9 | | SD-SA-01-TR | 1 / 1 | 1.9 | 3.9 |
| 4,4'-DDT | 2.2 | | 2.2 | | SD-SA-01-TR | 1 / 1 | 1.9 | 2.2 |
| Aldrin | | | | | | 0 / 1 | 0.93 | 0.47 |
| alpha-BHC | | | | | | 0 / 1 | 0.93 | 0.47 |

**TABLE 2-45**
**SEDIMENT DATA SUMMARY - STATION SA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| alpha-Chlordane | | | | | | 0 / 1 | 0.93 | 0.47 |
| Aroclor 1016 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1221 | | | | | | 0 / 1 | 37 | 19 |
| Aroclor 1232 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1242 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1248 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1254 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1260 | | | | | | 0 / 1 | 19 | 9.5 |
| beta-BHC | | | | | | 0 / 1 | 0.93 | 0.47 |
| delta-BHC | | | | | | 0 / 1 | 0.93 | 0.47 |
| Dieldrin | | | | | | 0 / 1 | 1.9 | 1.0 |
| Endosulfan I | | | | | | 0 / 1 | 0.93 | 0.47 |
| Endosulfan II | | | | | | 0 / 1 | 1.9 | 0.95 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 1.9 | 1.0 |
| Endrin | | | | | | 0 / 1 | 1.9 | 1.0 |
| Endrin Aldehyde | | | | | | 0 / 1 | 1.9 | 1.0 |
| Endrin Ketone | | | | | | 0 / 1 | 1.9 | 1.0 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.93 | 0.47 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.93 | 0.47 |
| Heptachlor | | | | | | 0 / 1 | 0.93 | 0.47 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.93 | 0.47 |
| Methoxychlor | | | | | | 0 / 1 | 9.3 | 4.7 |
| Toxaphene | | | | | | 0 / 1 | 93 | 47 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 14300 | | 14300 | | SD-SA-01-TR | 1 / 1 | 9.14 | 14300 |
| Antimony | 1.1 | J | 1.1 | J | SD-SA-01-TR | 1 / 1 | 0.74 | 1.1 |
| Arsenic | 27.2 | | 27.2 | | SD-SA-01-TR | 1 / 1 | 1 | 27 |
| Barium | 87.5 | | 87.5 | | SD-SA-01-TR | 1 / 1 | 0.4 | 88 |
| Beryllium | 1 | J | 1 | J | SD-SA-01-TR | 1 / 1 | 0.2 | 1.0 |
| Cadmium | 1.5 | | 1.5 | | SD-SA-01-TR | 1 / 1 | 0.6 | 1.5 |
| Calcium | 5500 | | 5500 | | SD-SA-01-TR | 1 / 1 | 2.14 | 5500 |
| Chromium | 42.3 | | 42.3 | | SD-SA-01-TR | 1 / 1 | 1 | 42 |
| Cobalt | 13.2 | J | 13.2 | J | SD-SA-01-TR | 1 / 1 | 0.36 | 13 |
| Copper | 57.6 | | 57.6 | | SD-SA-01-TR | 1 / 1 | 0.44 | 58 |
| Iron | 24200 | | 24200 | | SD-SA-01-TR | 1 / 1 | 1.4 | 24200 |
| Lead | 456 | | 456 | | SD-SA-01-TR | 1 / 1 | 0.6 | 456 |
| Magnesium | 4090 | | 4090 | | SD-SA-01-TR | 1 / 1 | 15.18 | 4090 |
| Manganese | 263 | | 263 | | SD-SA-01-TR | 1 / 1 | 0.24 | 263 |
| Mercury | 0.2 | J | 0.2 | J | SD-SA-01-TR | 1 / 1 | 0.02 | 0.20 |
| Nickel | 23.2 | | 23.2 | | SD-SA-01-TR | 1 / 1 | 0.8 | 23 |
| Potassium | 819 | J | 819 | J | SD-SA-01-TR | 1 / 1 | 4.38 | 819 |
| Selenium | | | | | | 0 / 1 | 1 | 0.50 |
| Silver | | | | | | 0 / 1 | 1 | 0.50 |
| Sodium | 262 | | 262 | | SD-SA-01-TR | 1 / 1 | 98.04 | 262 |
| Thallium | | | | | | 0 / 1 | 1.1 | 0.55 |
| Vanadium | 52.7 | | 52.7 | | SD-SA-01-TR | 1 / 1 | 0.64 | 53 |
| Zinc | 246 | J | 246 | J | SD-SA-01-TR | 1 / 1 | 1.7 | 246 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 1.0 | | 1.0 | | SD-SA-01-TR | 1 / 1 | N/A | 1.0 |
| Copper | 29 | | 29 | | SD-SA-01-TR | 1 / 1 | N/A | 29 |
| Lead | 264 | | 264 | | SD-SA-01-TR | 1 / 1 | N/A | 264 |
| Mercury | 0.060 | J | 0.060 | J | SD-SA-01-TR | 1 / 1 | N/A | 0.060 |
| Nickel | 10 | | 10 | | SD-SA-01-TR | 1 / 1 | N/A | 10 |
| SEM/AVS Ratio | 24 | | 24 | | SD-SA-01-TR | 1 / 1 | N/A | 24 |
| Sulfide | 5.1 | J | 5.1 | J | SD-SA-01-TR | 1 / 1 | N/A | 5.1 |
| Zinc | 129 | J | 129 | J | SD-SA-01-TR | 1 / 1 | N/A | 129 |
| Total Organic Carbon (mg/Kg) | 170000 | | 170000 | | SD-SA-01-TR | 1 / 1 | 250 | 170000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-46**
**SEDIMENT DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 5 - 9 | 3.5 |
| 1,1,1-Trichloroethane | 100 | J | 100 | J | SD-MC-03-TR | 1 / 26 | 7 - 69 | 14 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 24 | 7 - 46 | 8.2 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | 52 | J | 52 | J | SD-MC-03-TR | 1 / 5 | 10 - 60 | 24 |
| 1,1,2-Trichloroethane | | | | | | 0 / 24 | 7 - 46 | 8.2 |
| 1,1-Dichloroethane | | | | | | 0 / 24 | 7 - 69 | 9.7 |
| 1,1-Dichloroethene | | | | | | 0 / 24 | 7 - 69 | 9.7 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 3 | 16 - 46 | 13 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 3 | 16 - 46 | 13 |
| 1,2-Dibromoethane | | | | | | 0 / 3 | 16 - 46 | 13 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 16 - 46 | 13 |
| 1,2-Dichloroethane | | | | | | 0 / 24 | 7 - 69 | 9.7 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 14 | 13 - 19 | 7.5 |
| 1,2-Dichloropropane | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 16 - 46 | 13 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 16 - 46 | 13 |
| 2-Butanone | 17.5 | J | 680 | | SD-MC-02 | 4 / 22 | 10 - 46 | 52 |
| 2-Hexanone | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| 4-Methyl-2-pentanone | | | | | | 0 / 17 | 13 - 46 | 8.5 |
| Acetone | 23 | J | 2200 | J | SD-MC-02 | 12 / 24 | 10 - 220 | 185 |
| Benzene | 4 | J | 4 | J | SD-25-02-ME | 1 / 24 | 5 - 46 | 7.9 |
| Bromodichloromethane | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Bromoform | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Bromomethane | | | | | | 0 / 22 | 10 - 84 | 10 |
| Carbon Disulfide | 3 | J | 3 | J | SD-26-02-FW | 2 / 22 | 7 - 46 | 7.9 |
| Carbon Tetrachloride | | | | | | 0 / 22 | 7 - 46 | 8.7 |
| Chlorobenzene | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Chloroethane | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Chloroform | | | | | | 0 / 24 | 10 - 46 | 9.4 |
| Chloromethane | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| cis-1,2-Dichloroethene | | | | | | 0 / 10 | 7 - 46 | 9.3 |
| cis-1,3-Dichloropropene | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Cyclohexane | | | | | | 0 / 3 | 16 - 46 | 13 |
| Dibromochloromethane | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Dichlorodifluoromethane | | | | | | 0 / 3 | 16 - 46 | 13 |
| Ethylbenzene | | | | | | 0 / 24 | 5 - 46 | 7.8 |
| Isopropylbenzene | | | | | | 0 / 3 | 16 - 46 | 13 |
| Methyl Acetate | 24 | | 350 | J | SD-MC-03-TR | 5 / 5 | 10 - 60 | 136 |
| Methyl isobutyl ketone (MIBK) | | | | | | 0 / 5 | 7 - 25 | 7.2 |
| Methyl tert-Butyl Ether | | | | | | 0 / 3 | 16 - 46 | 13 |
| Methylcyclohexane | | | | | | 0 / 3 | 16 - 46 | 13 |
| Methylene chloride | | | | | | 0 / 26 | 7 - 160 | 16 |
| Naphthalene | | | | | | 0 / 2 | 36 - 69 | 26 |
| Styrene | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Tetrachloroethene | | | | | | 0 / 24 | 7 - 69 | 9.7 |
| Toluene | 7.9 | J | 73 | J | SD-MC-03-TR | 3 / 24 | 7 - 60 | 12 |
| trans-1,2-Dichloroethene | | | | | | 0 / 10 | 7 - 69 | 13 |
| trans-1,3-Dichloropropene | | | | | | 0 / 22 | 7 - 46 | 8.2 |
| Trichloroethene | | | | | | 0 / 24 | 7 - 46 | 8.2 |
| Trichlorofluoromethane | | | | | | 0 / 3 | 16 - 46 | 13 |
| Vinyl chloride | | | | | | 0 / 24 | 7 - 69 | 9.7 |
| Xylene, m/p- | | | | | | 0 / 10 | 12 - 50 | 13 |
| Xylene, o- | | | | | | 0 / 10 | 7 - 46 | 9.3 |
| | | | | | | 0 / 14 | 13 - 19 | 7.5 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 5 | 230 - 460 | 187 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 19 | 300 - 3100 | 353 |
| 1,2-Dichlorobenzene | | | | | | 0 / 19 | 300 - 3100 | 353 |
| 1,3-Dichlorobenzene | | | | | | 0 / 19 | 300 - 3100 | 353 |
| 1,4-Dichlorobenzene | | | | | | 0 / 19 | 300 - 3100 | 353 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 19 | 230 - 3100 | 341 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 24 | 570 - 7400 | 792 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2,4-Dichlorophenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2,4-Dimethylphenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2,4-Dinitrophenol | | | | | | 0 / 24 | 570 - 7400 | 792 |
| 2,4-Dinitrotoluene | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2,6-Dinitrotoluene | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2-Chloronaphthalene | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2-Chlorophenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2-Methylnaphthalene | 22 | J | 360 | J | SD-24-02-FW | 6 / 26 | 67 - 3100 | 257 |
| 2-Methylphenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 2-Nitroaniline | | | | | | 0 / 24 | 570 - 7400 | 792 |
| 2-Nitrophenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 3+4-Methylphenols | | | | | | 0 / 5 | 230 - 460 | 187 |
| 3-Nitroaniline | | | | | | 0 / 24 | 230 - 7400 | 659 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 24 | 570 - 7400 | 792 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 24 | 230 - 3100 | 319 |

**TABLE 2-46**
**SEDIMENT DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 24 | 230 - 3100 | 319 |
| 4-Methylphenol | 190 | J | 190 | J | SD-MC-01 | 1 / 19 | 320 - 3100 | 356 |
| 4-Nitroaniline | | | | | | 0 / 24 | 570 - 7400 | 792 |
| 4-Nitrophenol | | | | | | 0 / 24 | 570 - 7400 | 792 |
| Acenaphthene | 50 | J | 1400 | J | SD-24-02-FW | 8 / 26 | 67 - 3100 | 301 |
| Acenaphthylene | 22 | J | 800 | J | SD-24-02-FW | 10 / 26 | 67 - 3100 | 304 |
| Acetophenone | | | | | | 0 / 5 | 230 - 460 | 187 |
| Anthracene | 48 | J | 1900 | J | SD-24-02-FW | 13 / 26 | 67 - 3100 | 406 |
| Atrazine | | | | | | 0 / 5 | 230 - 460 | 187 |
| Benzaldehyde | | | | | | 0 / 5 | 230 - 460 | 187 |
| Benzo(a)anthracene | 110 | J | 5900 | | SD-24-02-FW | 18 / 26 | 67 - 1000 | 1151 |
| Benzo(a)pyrene | 130 | J | 5500 | | SD-24-02-FW | 18 / 26 | 67 - 1000 | 1117 |
| Benzo(b)fluoranthene | 150 | J | 10000 | | SD-24-02-FW | 23 / 26 | 67 - 1000 | 1534 |
| Benzo(g,h,i)perylene | 190 | J | 2200 | J | SD-25-02-FW | 11 / 26 | 67 - 1000 | 511 |
| Benzo(k)fluoranthene | 400 | | 9600 | | SD-24-02-FW | 16 / 26 | 67 - 1000 | 1420 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 24 | 230 - 3100 | 319 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 24 | 230 - 3100 | 319 |
| bis(2-chloroisopropyl)ether | | | | | | 0 / 5 | 300 - 1000 | 236 |
| bis(2-Ethylhexyl)phthalate | 94 | J | 1200 | | SD-MC-03 | 7 / 24 | 230 - 3100 | 369 |
| Butylbenzylphthalate | 47 | J | 87 | J | SD-24-03-FW | 2 / 24 | 230 - 3100 | 306 |
| Caprolactam | | | | | | 0 / 5 | 230 - 460 | 187 |
| Carbazole | 48 | J | 990 | J | SD-24-02-FW | 8 / 24 | 230 - 3100 | 327 |
| Chrysene | 140 | J | 7300 | | SD-24-02-FW | 18 / 26 | 67 - 1000 | 1389 |
| Dibenz(a,h)anthracene | 110 | J | 1100 | J | SD-25-02-FW | 11 / 26 | 67 - 1000 | 289 |
| Dibenzofuran | 120 | J | 1000 | J | SD-24-02-FW | 5 / 24 | 230 - 3100 | 309 |
| Diethylphthalate | 48 | J | 230 | J | SD-24-02-FW | 3 / 25 | 230 - 3100 | 273 |
| Dimethylphthalate | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Di-n-butylphthalate | 150 | J | 240 | J | SD-26-03-FW | 6 / 24 | 230 - 3100 | 301 |
| Di-n-octylphthalate | 220 | J | 220 | J | SD-26-02-FW | 1 / 24 | 230 - 3100 | 319 |
| Fluoranthene | 71 | J | 15000 | | SD-24-02-FW | 24 / 26 | 67 - 1000 | 2547 |
| Fluorene | 44 | J | 2800 | | SD-24-02-FW | 11 / 26 | 67 - 3100 | 378 |
| Hexachlorobenzene | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Hexachlorobutadiene sv | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Hexachlorocyclopentadiene | | | | | | 0 / 24 | 230 - 3100 | 394 |
| Hexachloroethane | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Indeno(1,2,3-cd)pyrene | 160 | J | 3700 | J | SD-25-02-FW | 14 / 26 | 67 - 1000 | 685 |
| Isophorone | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Naphthalene | 23 | J | 520 | J | SD-24-02-FW | 6 / 26 | 67 - 3100 | 272 |
| Nitrobenzene | | | | | | 0 / 24 | 230 - 3100 | 319 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 24 | 230 - 3100 | 319 |
| N-nitrosodiphenylamine | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Pentachlorophenol | | | | | | 0 / 24 | 570 - 7400 | 792 |
| Phenanthrene | 170 | J | 12000 | | SD-24-02-FW | 18 / 26 | 67 - 1000 | 1534 |
| Phenol | | | | | | 0 / 24 | 230 - 3100 | 319 |
| Pyrene | 81 | J | 11000 | | SD-24-02-FW | 19 / 26 | 67 - 1000 | 2067 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.32 - 3.2 | 0.88 |
| 4,4'-DDD | 1.1 | J | 390 | | SD-24-03-ME | 20 / 26 | 0.32 - 31 | 48 |
| 4,4'-DDE | 1.6 | J | 470 | J | SD-MC-01 | 19 / 26 | 0.32 - 31 | 30 |
| 4,4'-DDT | 2.1 | J | 180 | J | SD-MC-01 | 16 / 26 | 0.32 - 30 | 22 |
| Aldrin | 0.29 | J | 1.6 | J | SD-24-02-FW | 3 / 26 | 0.16 - 16 | 2.7 |
| alpha-BHC | 0.31 | J | 0.31 | J | SD-24-02-FW | 1 / 26 | 0.16 - 16 | 2.7 |
| alpha-Chlordane | 1.3 | J | 69 | J | SD-MC-03 | 6 / 26 | 0.16 - 15 | 6.6 |
| Aroclor 1016 | | | | | | 0 / 26 | 3 - 310 | 52 |
| Aroclor 1221 | | | | | | 0 / 26 | 3 - 620 | 105 |
| Aroclor 1232 | | | | | | 0 / 26 | 3 - 310 | 52 |
| Aroclor 1242 | | | | | | 0 / 26 | 3 - 310 | 52 |
| Aroclor 1248 | 56 | J | 290 | J | SD-24-03-ME | 2 / 26 | 3 - 310 | 65 |
| Aroclor 1254 | | | | | | 0 / 26 | 3 - 310 | 52 |
| Aroclor 1260 | 47 | | 200 | | SD-24-03-ME | 2 / 26 | 3 - 310 | 61 |
| beta-BHC | 0.4 | J | 0.75 | J | SD-23-01-FW | 2 / 26 | 0.16 - 16 | 2.7 |
| delta-BHC | | | | | | 0 / 26 | 0.16 - 16 | 2.8 |
| Dieldrin | 1.1 | J | 18 | | SD-24-02-FW | 6 / 26 | 0.32 - 30 | 4.9 |
| Endosulfan I | 0.22 | J | 66 | J | SD-25-02-FW | 8 / 26 | 0.16 - 14 | 6.3 |
| Endosulfan II | 0.33 | J | 9.4 | J | SD-25-02-FW | 5 / 26 | 0.32 - 30 | 5.1 |
| Endosulfan Sulfate | 6.6 | | 11 | J | SD-25-02-FW | 3 / 26 | 0.32 - 30 | 5.2 |
| Endrin | 0.3 | J | 5.1 | | SD-24-02-FW | 4 / 26 | 0.32 - 31 | 5.4 |
| Endrin Aldehyde | 1.1 | J | 5.9 | J | SD-24-03-ME | 3 / 21 | 0.32 - 31 | 6.8 |
| Endrin Ketone | 2.7 | J | 9.1 | J | SD-25-02-FW | 4 / 26 | 0.32 - 30 | 5.0 |
| gamma-BHC (Lindane) | 1.9 | J | 1.9 | J | SD-24-02-FW | 1 / 26 | 0.16 - 16 | 2.8 |
| gamma-Chlordane | 0.31 | J | 4.6 | | SD-24-03-FW | 6 / 26 | 0.16 - 16 | 2.9 |
| Heptachlor | 0.84 | J | 0.84 | J | SD-24-02-FW | 1 / 26 | 0.16 - 16 | 2.8 |
| Heptachlor Epoxide | 0.36 | J | 1.4 | J | SD-24-02-FW | 3 / 26 | 0.16 - 16 | 2.8 |
| Methoxychlor | | | | | | 0 / 26 | 16 - 160 | 27 |
| Toxaphene | | | | | | 0 / 26 | 76 - 1600 | 266 |

**TABLE 2-46**
**SEDIMENT DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1100 | | 20200 | | SD-MC-03-TR | 27 / 27 | 3.4 - 9.14 | 8581 |
| Antimony | 0.5 | J | 5.6 | | SD-MC-04-TR | 20 / 27 | 0.062 - 1.4 | 1.0 |
| Arsenic | 2.5 | | 44.5 | | SD-MC-04-TR | 27 / 27 | 0.21 - 1 | 17 |
| Barium | 5.7 | | 173 | | SD-MC-04-TR | 27 / 27 | 0.018 - 0.4 | 57 |
| Beryllium | 0.15 | | 1.3 | J | SD-MC-03-TR | 24 / 27 | 0.027 - 0.22 | 0.56 |
| Cadmium | 0.08699 | | 6.1 | | SD-MC-04 | 20 / 27 | 0.0044 - 0.6 | 1.3 |
| Calcium | 610 | | 10900 | | SD-MC-01-TR | 22 / 22 | 1.6 - 2.14 | 3448 |
| Chromium | 8.9 | | 512 | | SD-MC-04-TR | 27 / 27 | 0.053 - 1 | 89 |
| Cobalt | 0.76 | | 21.8 | J | SD-MC-04-TR | 27 / 27 | 0.36 - 0.37 | 8.5 |
| Copper | 1.9 | | 344 | | SD-MC-04-TR | 27 / 27 | 0.08 - 0.44 | 63 |
| Cyanide | | | | | | 0 / 14 | 0.52 - 1.4 | 0.39 |
| Iron | 2040 | | 51600 | | SD-MC-04-TR | 27 / 27 | 0.55 - 1.4 | 16345 |
| Lead | 5.6 | J | 755 | J | SD-25-02-FW | 27 / 27 | 0.26 - 0.6 | 194 |
| Magnesium | 324 | | 5810 | | SD-MC-03-TR | 22 / 22 | 0.8 - 15.18 | 2878 |
| Manganese | 12.6 | J | 1980 | | SD-MC-04-TR | 27 / 27 | 0.018 - 0.24 | 368 |
| Mercury | 0.021 | J | 0.71 | | SD-24-03-ME | 19 / 26 | 0.005 - 0.08 | 0.19 |
| Nickel | 1.1 | | 32.1 | | SD-MC-03-TR | 27 / 27 | 0.14 - 0.8 | 15 |
| Potassium | 126 | | 2410 | | SD-26-01-FW | 22 / 22 | 2.6 - 4.38 | 927 |
| Selenium | 0.88 | J | 3.2 | J | SD-25-02-FW | 9 / 27 | 0.049 - 1.1 | 0.81 |
| Silver | 0.085 | J | 2.9 | | SD-24-03-FW | 8 / 26 | 0.0088 - 1 | 0.50 |
| Sodium | 66.5 | | 5400 | | SD-MC-03-TR | 12 / 22 | 0.21 - 187 | 398 |
| Thallium | 1 | | 2.2 | | SD-25-02-FW | 2 / 26 | 0.038 - 2 | 0.50 |
| Vanadium | 2.5 | | 148 | | SD-24-03-FW | 27 / 27 | 0.071 - 0.64 | 35 |
| Zinc | 10.4 | J | 645 | J | SD-MC-03-TR | 27 / 27 | 0.16 - 1.7 | 195 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 2 | 3.745 | 1.9 |
| Cadmium | 0.11 | | 6.0 | | SD-MC-04 | 20 / 27 | 0.09 - 5.6 | 1.5 |
| Copper | 7.0 | | 279 | | SD-MC-04 | 15 / 27 | 0.96 - 70.5 | 36 |
| Lead | 11 | J | 704 | | SD-25-02-FW | 26 / 27 | 1.8 | 169 |
| Mercury | 0.0040 | | 0.10 | J | SD-MC-04-TR | 7 / 21 | 0.003 - 10.03 | 0.26 |
| Nickel | 2.9 | J | 22 | J | SD-24-03-ME | 7 / 27 | 1.2 - 233 | 27 |
| SEM/AVS Ratio | 0 | | 64 | | SD-MC-04-TR | 27 / 27 | N/A | 7.8 |
| Sulfide | 4.5 | J | 3852 | J | SD-MC-02 | 25 / 27 | 4.173 - 4.494 | 345 |
| Zinc | 11 | | 569 | J | SD-MC-02 | 24 / 27 | 4.3 - 43.8 | 142 |
| Total Combustible Organics - mg/Kg | 2810 | | 427000 | | SD-23-03-FW | 8 / 8 | 2000 | 109001 |
| Total Organic Carbon - mg/Kg | 7650 | | 370000 | J | SD-MC-02 | 19 / 19 | 250 | 129647 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-47**
**SEDIMENT DATA HITS TABLE - STATION 23**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-23-01-FW | SD-23-02-FW | SD-23-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| No Detections | | | |
| SVOCs (ug/Kg) | | | |
| 2-Methylnaphthalene | 600 U | 67 J | R |
| Acenaphthene | 600 U | 120 J | R |
| Acenaphthylene | 600 U | 450 J | R |
| Anthracene | 600 U | 530 | R |
| Benzo(a)anthracene | 600 U | 1800 | R |
| Benzo(a)pyrene | 600 U | 1700 | R |
| Benzo(b)fluoranthene | 600 U | 2300 | R |
| Benzo(k)fluoranthene | 600 U | 2100 | R |
| bis(2-Ethylhexyl)phthalate | 600 U | 120 J | R |
| Chrysene | 600 U | 2000 | R |
| Diethylphthalate | 600 U | 48 J | 170 J |
| Fluoranthene | 71 J | 3100 | R |
| Fluorene | 600 U | 340 J | R |
| Phenanthrene | 600 U | 3000 | R |
| Pyrene | 81 J | 3600 | R |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 60 | 84 J | R |
| 4,4'-DDE | 11 | 17 J | R |
| 4,4'-DDT | 6 U | 22 J | R |
| beta-BHC | 0.75 J | 2.4 U | R |
| Dieldrin | 1.1 J | 4.6 U | R |
| Endrin | 6 U | 1.6 J | R |
| gamma-Chlordane | 3.1 U | 0.31 J | R |
| Metals (mg/Kg) | | | |
| Aluminum | 1100 | 5110 | 5860 J |
| Antimony | 0.74 J | 0.45 UJ | 1.7 J |
| Arsenic | 5.2 | 17.8 | 14.8 J |
| Barium | 5.7 | 21.3 | 25.8 J |
| Beryllium | 0.19 U | 0.31 | 1 J |
| Cadmium | 0.08699 | 0.1 | 0.9 J |
| Calcium | 622 | 925 | 6410 J |
| Chromium | 29.1 J | 22.4 J | 13.7 J |
| Cobalt | 0.76 | 3.2 | 1.9 J |
| Copper | 1.9 | 9.5 | 9 J |
| Iron | 2040 | 9220 | 3500 J |
| Lead | 6.5 | 19.7 | 5.6 J |
| Magnesium | 324 | 2230 | 858 J |
| Manganese | 12.6 J | 91.1 J | 133 J |
| Mercury | 0.07 J | 0.068 J | R |
| Nickel | 1.1 | 8.3 | 3.6 J |
| Potassium | 126 | 780 | 173 J |
| Selenium | 0.89 U | 0.56 U | 3 J |
| Sodium | 66.5 | 123 | 264 J |
| Vanadium | 2.5 | 12.8 | 18 J |
| Zinc | 11.5 | 30.6 | 10.4 J |
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 0.14 U | 0.1 U | 0.33 |
| Copper | 0.96 U | 12.8 J | 21.7 U |
| Lead | 1.8 U | 11.1 J | 19.9 J |
| SEM/AVS Ratio | 0 | 0.058 | 0.33 |
| Sulfide | 29.532 | 140.598 | 9.63 |
| TOC/TCO (mg/Kg) | | | |
| Total Combustible Organics | 24300 | 4800 | 427000 |

# TABLE 2-48
## SEDIMENT DATA HITS TABLE - STATION 24
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-24-01-FW | SD-24-02-FW | SD-24-03-FW | SD-24-03-ME |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| No Detections | | | | |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 460 U | 360 J | 420 U | 23 J |
| Acenaphthene | 120 J | 1400 J | 420 U | 50 J |
| Acenaphthylene | 56 J | 800 J | 420 U | 44 J |
| Anthracene | 98 J | 1900 J | 48 J | 250 |
| Benzo(a)anthracene | 440 J | 5900 | 520 | 960 |
| Benzo(a)pyrene | 400 J | 5500 | 350 J | 790 J |
| Benzo(b)fluoranthene | 740 | 10000 | 1100 | 880 |
| Benzo(g,h,i)perylene | 460 U | 920 J | 210 J | 550 J |
| Benzo(k)fluoranthene | 690 | 9600 | 1100 | 400 |
| bis(2-Ethylhexyl)phthalate | 400 J | 2100 U | 430 J | NA |
| Butylbenzylphthalate | 47 J | 2100 U | 87 J | NA |
| Carbazole | 460 U | 990 J | 48 J | NA |
| Chrysene | 550 | 7300 | 520 | 920 |
| Dibenz(a,h)anthracene | 460 U | 500 J | 420 U | 120 J |
| Dibenzofuran | 460 U | 1000 J | 420 U | NA |
| Diethylphthalate | 460 U | 230 J | 420 U | NA |
| Fluoranthene | 880 | 15000 | 840 | 2600 |
| Fluorene | 91 J | 2800 | 44 J | 130 |
| Indeno(1,2,3-cd)pyrene | 460 U | 1700 J | 210 J | 620 J |
| Naphthalene | 460 U | 520 J | 420 U | 23 J |
| Phenanthrene | 460 | 12000 | 290 J | 1300 |
| Pyrene | 680 | 11000 | 870 | 2400 |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 35 | 98 | 39 | 390 |
| 4,4'-DDE | 5.8 | 10 | 17 | 37 |
| 4,4'-DDT | 20 | 130 | 27 J | 24 J |
| Aldrin | 0.54 J | 1.6 J | 0.29 J | 1.6 U |
| alpha-BHC | 2.4 U | 0.31 J | 2.2 U | 1.6 U |
| alpha-Chlordane | 2.4 U | 2.2 U | 5.3 | 2 J |
| Aroclor 1248 | 46 U | 43 U | 42 U | 290 J |
| Aroclor 1260 | 46 U | 43 U | 42 U | 200 |
| beta-BHC | 0.4 J | 2.2 U | 2.2 U | 1.6 U |
| Dieldrin | 1.5 J | 18 | 4.2 U | 3.2 U |
| Endosulfan I | 2.4 U | 2.2 U | 0.22 J | 1.6 U |
| Endosulfan II | 4.6 U | 7.1 | 2.3 J | 3.2 U |
| Endosulfan sulfate | 6.6 | 4.3 U | 4.2 U | 3.2 U |
| Endrin | 4.6 U | 5.1 | 0.3 J | 3.2 U |
| Endrin aldehyde | 4.6 U | 4.3 U | 1.1 J | 5.9 J |
| Endrin Ketone | 2.7 J | 4.3 | 4.2 U | 3.2 U |
| gamma-BHC (Lindane) | 2.4 U | 1.9 J | 2.2 U | 1.6 U |
| gamma-Chlordane | 2.4 U | 1.5 J | 4.6 | 4.2 |
| Heptachlor | 2.4 UJ | 0.84 J | 2.2 UJ | 1.6 U |
| Heptachlor epoxide | 2.4 U | 1.4 J | 0.48 J | 1.6 U |

# TABLE 2-48
# SEDIMENT DATA HITS TABLE - STATION 24
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-24-01-FW | SD-24-02-FW | SD-24-03-FW | SD-24-03-ME |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 2560 | 4020 | 13700 | 8440 J |
| Antimony | 0.48 UJ | 0.5 J | 1.4 UJ | 1.2 J |
| Arsenic | 3.8 | 4.8 | 40.6 | 30.7 |
| Barium | 13.3 | 16.2 | 67.3 | 43.6 |
| Beryllium | 0.19 U | 0.22 U | 1.2 | 0.8 J |
| Cadmium | 0.24 | 0.22 | 0.96 | 2 |
| Calcium | 610 | 1010 | 3030 | 2410 |
| Chromium | 10.3 J | 16.8 J | 277 J | 410 J |
| Cobalt | 1.9 | 2.6 | 8.2 | 12.1 J |
| Copper | 19.8 | 11.6 | 84.5 | 130 |
| Iron | 4790 | 6720 | 20900 | 13200 J |
| Lead | 81.3 | 73.9 | 581 | 566 J |
| Magnesium | 1140 | 1850 | 4370 | 2880 |
| Manganese | 50.4 J | 68.4 J | 230 J | 131 |
| Mercury | 0.033 J | 0.021 J | 0.7 J | 0.71 |
| Nickel | 6 | 7.2 | 26.1 | 23.7 J |
| Potassium | 424 | 592 | 822 | 1170 J |
| Selenium | 0.6 U | 0.48 U | 2.1 | 0.91 J |
| Silver | 0.3 U | 0.24 U | 2.9 | 2.5 J |
| Sodium | 102 | 106 | 382 | 516 |
| Vanadium | 7.1 | 12.7 | 148 | 80.3 |
| Zinc | 47.6 | 47 | 129 | 251 J |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | 0.13 | 6 | 1.1 | 5.6 U |
| Copper | 12.1 J | 7.2 J | 93.5 J | 3.175 UJ |
| Lead | 86.7 J | 81.1 J | 522 J | 370.888 J |
| Nickel | 34.8 U | 2.4 U | 109 U | 22.3022 J |
| SEM/AVS Ratio | 0.32 | 0.042 | 18 | 0.57 |
| Sulfide | 120.696 | 879.54 | 28.89 | 327.42 |
| Zinc | 38.4 J | 38.2 J | 147 J | 243.171 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 2810 | 17900 | 183000 | 153000 J |

**TABLE 2-49**
**SEDIMENT DATA HITS TABLE - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-25-01-FW | SD-25-02-FW | SD-25-02-ME | SD-25-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| Acetone | 23 J | 51 J | NA | 13 U |
| Benzene | 18 U | 19 U | 4 J | 13 U |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 600 UJ | 3100 UJ | 22 J | 420 UJ |
| Acenaphthene | 600 UJ | 3100 UJ | 69 J | 420 UJ |
| Acenaphthylene | 600 UJ | 3100 UJ | 22 J | 420 UJ |
| Anthracene | 600 UJ | 3100 UJ | 330 | 220 J |
| Benzo(a)anthracene | 510 J | 4900 J | 1300 | 990 J |
| Benzo(a)pyrene | 410 J | 5100 J | 1300 | 710 J |
| Benzo(b)fluoranthene | 480 J | 5800 J | 1500 J | 920 J |
| Benzo(g,h,i)perylene | 190 J | 2200 J | 650 | 210 J |
| Benzo(k)fluoranthene | 630 J | 6700 J | 740 J | 750 J |
| Carbazole | 600 UJ | 3100 UJ | NA | 200 J |
| Chrysene | 500 J | 5400 J | 1400 | 800 J |
| Di-n-butylphthalate | 180 J | 3100 UJ | NA | 150 J |
| Dibenz(a,h)anthracene | 600 UJ | 1100 J | 220 | 130 J |
| Fluoranthene | 1000 J | 11000 J | 2500 | 1900 J |
| Fluorene | 600 UJ | 3100 UJ | 120 | 420 UJ |
| Indeno(1,2,3-cd)pyrene | 270 J | 3700 J | 670 | 410 J |
| Naphthalene | 600 UJ | 3100 UJ | 32 J | 420 UJ |
| Phenanthrene | 450 J | 3100 J | 1600 | 1100 J |
| Pyrene | 750 UJ | 8100 J | 2300 | 1300 J |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 30 UJ | 31 UJ | 11 J | 21 UJ |
| 4,4'-DDE | 30 UJ | 31 UJ | 4.4 J | 21 UJ |
| 4,4'-DDT | 30 UJ | 5.8 J | 2.1 J | 21 UJ |
| alpha-Chlordane | 15 UJ | 8.4 J | 1.3 J | 11 UJ |
| Aroclor 1248 | 300 UJ | 310 UJ | 56 J | 210 UJ |
| Aroclor 1260 | 300 UJ | 310 UJ | 47 | 210 UJ |
| Dieldrin | 30 UJ | 6.3 J | 0.32 U | 21 UJ |
| Endosulfan I | 8.8 J | 66 J | 0.16 U | 7.2 J |
| Endosulfan II | 30 UJ | 9.4 J | 0.33 J | 21 UJ |
| Endosulfan sulfate | 30 UJ | 11 J | 0.32 U | 21 UJ |
| Endrin | 30 UJ | 31 UJ | 0.98 J | 21 UJ |
| Endrin aldehyde | 30 UJ | 31 UJ | 4.4 J | 21 UJ |
| Endrin ketone | 30 UJ | 9.1 J | 0.32 U | 21 UJ |
| gamma-Chlordane | 15 UJ | 16 UJ | 1.3 J | 11 UJ |
| Heptachlor epoxide | 15 UJ | 16 UJ | 0.36 J | 11 UJ |

**TABLE 2-49**
**SEDIMENT DATA HITS TABLE - STATION 25**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-25-01-FW | SD-25-02-FW | SD-25-02-ME | SD-25-03-FW |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 11600 | 13400 | 7190 | 8360 |
| Antimony | 0.84 UJ | 1.7 | 0.64 J | 0.84 |
| Arsenic | 6 | 16.2 | 5.4 | 2.5 |
| Barium | 27.1 | 50.5 | 48.5 | 18 |
| Beryllium | 0.35 | 0.52 | 0.37 | 0.23 |
| Cadmium | 0.07 U | 0.8 | 0.78 J | 0.048 U |
| Calcium | 3210 | 4680 | 2150 | 1180 |
| Chromium | 22.8 | 60.6 | 26.1 | 13.4 |
| Cobalt | 7.6 | 9.9 | 8.1 | 6.1 |
| Copper | 34.9 | 93.7 | 52.7 | 18.4 |
| Iron | 16400 | 19000 J | 14700 | 11200 J |
| Lead | 328 J | 755 J | 210 | 55 J |
| Magnesium | 3920 | 5350 | 3490 | 3000 |
| Manganese | 115 | 175 J | 190 | 87.1 J |
| Mercury | 0.2 | 0.55 J | 0.1 | 0.081 J |
| Nickel | 12.8 | 17.1 | 14.6 | 8.7 |
| Potassium | 964 | 1690 | 1210 | 804 |
| Selenium | 1.1 UJ | 3.2 J | 0.48 UJ | 0.59 U |
| Silver | 0.53 U | 0.68 U | 0.2 J | 0.24 U |
| Thallium | 1.2 U | 2.2 | 0.14 U | 1 |
| Vanadium | 29.1 | 39.5 | 29.7 J | 20.4 |
| Zinc | 62.6 | 307 | 178 | 35 |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | 0.13 U | 0.83 | 5.6 U | 0.1 U |
| Copper | 31.1 U | 70.5 U | 6.985 | 57.5 U |
| Lead | 306 | 704 | 186.48 | 37.5 |
| Mercury | 0.004 U | 0.01 U | R | 0.03 |
| Nickel | 94 U | 147 U | 2.9345 J | 151 U |
| SEM/AVS Ratio | 2.5 | 4.2 | 1.43 | 1.2 |
| Sulfide | 22.47 | 41.73 | 65.163 | 9.63 |
| Zinc | 16 | 137 | 121.256 J | 11.2 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 52600 | 71600 | NA | 12000 |
| Total Combustible Organics | NA | NA | 59200 J | NA |

**TABLE 2-50**
**SEDIMENT DATA HITS TABLE - STATION 26**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-26-01-FW | SD-26-02-FW | SD-26-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| 2-Butanone | 17 U | 17.5 J | 18 U |
| Acetone | 45 J | 130 J | 67 J |
| Carbon Disulfide | 17 U | 3 J | 18 U |
| SVOCs (ug/Kg) | | | |
| Benzo(b)fluoranthene | 190 J | 150 J | 180 J |
| Di-n-butylphthalate | 180 J | 170 J | 240 J |
| Di-n-octylphthalate | 560 UJ | 220 J | 590 UJ |
| Fluoranthene | 250 J | 190 J | 210 J |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 59 J | 16.5 J | 17 J |
| 4,4'-DDE | 51 J | 12.75 J | 9.5 J |
| 4,4'-DDT | 30 J | 17.85 J | 29 UJ |
| Endosulfan I | 14 UJ | 11 UJ | 6.9 J |
| gamma-Chlordane | 14 UJ | 1 J | 15 UJ |
| Metals (mg/Kg) | | | |
| Aluminum | 13500 | 8345 | 8380 |
| Antimony | 0.79 UJ | 0.81 J | 0.7 J |
| Arsenic | 9.4 | 4.75 | 5 |
| Barium | 73.1 | 44.4 | 35.7 |
| Beryllium | 0.51 | .255 | 0.33 |
| Calcium | 1860 | 1205 | 1300 |
| Chromium | 32.6 | 20.8 | 8.9 |
| Cobalt | 8 | 5.95 | 3.7 |
| Copper | 42.9 | 16.55 | 10 |
| Iron | 17100 | 12500 | 8810 |
| Lead | 103 J | 25.3 J | 42.5 J |
| Magnesium | 5100 | 4130 | 1430 |
| Manganese | 315 | 224 | 134 |
| Nickel | 18.9 | 12.7 | 5.9 |
| Potassium | 2410 | 2310 | 249 |
| Vanadium | 37.6 | 22.9 | 18.8 |
| Zinc | 82.8 | 44.1 | 44.9 |
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 0.2 | 0.11 | 0.22 |
| Lead | 81 | 31.05 | 65.4 |
| Mercury | 0.005 U | 0.004 | 0.005 U |
| SEM/AVS Ratio | 0.10 | 0.089 | 0.17 |
| Sulfide | 436.56 | 256.8 | 205.44 |
| Zinc | 63.3 | 36.75 | 50 |
| TOC/TCO (mg/Kg) | | | |
| Total Organic Carbon | 36800 | 12050 | 47200 |

**TABLE 2-51**
**SEDIMENT DATA HITS TABLE - STATION 27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-27-01-FW | SD-27-02-FW | SD-27-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| Acetone | 44 J | 13 U | 57 J |
| Carbon Disulfide | 14 U | 13 U | 3 J |
| SVOCs (ug/Kg) | | | |
| Acenaphthene | 290 J | 420 UJ | 430 UJ |
| Acenaphthylene | 470 UJ | 350 J | 430 UJ |
| Anthracene | 990 J | 300 J | 430 UJ |
| Benzo(a)anthracene | 2400 J | 1500 J | 520 J |
| Benzo(a)pyrene | 930 J | 830 J | 310 J |
| Benzo(b)fluoranthene | 1500 J | 950 J | 370 J |
| Benzo(k)fluoranthene | 1500 J | 1400 J | 540 J |
| Carbazole | 520 J | 130 J | 430 UJ |
| Chrysene | 2000 J | 1400 J | 510 J |
| Di-n-butylphthalate | 470 UJ | 160 J | 430 UJ |
| Dibenz(a,h)anthracene | 210 J | 210 J | 430 UJ |
| Dibenzofuran | 210 J | 420 UJ | 430 UJ |
| Fluoranthene | 5500 J | 3400 J | 1300 J |
| Fluorene | 620 J | 180 J | 430 UJ |
| Indeno(1,2,3-cd)pyrene | 450 J | 500 J | 160 J |
| Phenanthrene | 4500 J | 1500 J | 730 J |
| Pyrene | 3400 J | 2400 J | 890 UJ |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 5.7 J | 21 UJ | 6.2 J |
| 4,4'-DDE | 5.5 J | 3.5 J | 4.6 J |
| 4,4'-DDT | 15 J | 14 J | 5.6 J |
| Dieldrin | 24 UJ | 4.7 J | 2.2 J |
| Endosulfan I | 7.2 J | 35 J | 8.2 J |
| Endosulfan II | 24 UJ | 5.3 J | 22 UJ |
| Endosulfan sulfate | 24 UJ | 9.1 J | 22 UJ |
| Endrin ketone | 24 UJ | 6.1 J | 22 UJ |
| Metals (mg/Kg) | | | |
| Aluminum | 3690 | 4300 | 5050 |
| Antimony | 0.64 UJ | 0.43 UJ | 0.56 J |
| Arsenic | 6.8 | 5.1 | 4.1 |
| Barium | 30.9 | 16.6 | 21.8 |
| Beryllium | 0.21 | 0.2 | 0.15 |
| Cadmium | 0.4 | 0.053 UJ | 0.16 U |
| Calcium | 1310 | 1020 | 1160 |
| Chromium | 9 | 13.4 | 15.1 |
| Cobalt | 5.8 | 3.5 | 4.9 |
| Copper | 8.1 | 7.1 | 6.8 |
| Iron | 7640 | 7990 | 7710 |
| Lead | 17.9 J | 28 J | 21 J |
| Magnesium | 1500 | 2090 | 2390 |
| Manganese | 297 | 247 | 183 |
| Nickel | 6.6 | 8.8 | 10.3 |
| Potassium | 516 | 711 | 636 |
| Vanadium | 9.3 | 11.3 | 10.2 |
| Zinc | 59.8 | 33 | 112 |
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 0.39 | 0.09 U | 0.17 |
| Lead | 15.7 | 17.5 | 17.7 |
| SEM/AVS Ratio | 0.071 | 0.60 | 0.074 |
| Sulfide | 446.19 | 19.26 | 526.44 |
| Zinc | 59.3 | 17.9 | 73.8 |
| TOC/TCO (mg/Kg) | | | |
| Total Organic Carbon | 13400 | 7650 | 10000 |

**TABLE 2-52**
**SEDIMENT DATA HITS TABLE - STATION 01IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-01 | SD-MC-01-TR |
|---|---|---|
| VOCs (ug/Kg) | | |
| Acetone | 120 J | 220 UJ |
| Methyl Acetate | NA | 210 |
| Toluene | 10 U | 7.9 J |
| SVOCs (ug/Kg) | | |
| 4-Methylphenol | 190 J | NA |
| Acenaphthylene | 150 J | 380 U |
| Anthracene | 150 J | 380 U |
| Benzo(a)anthracene | 640 | 210 J |
| Benzo(a)pyrene | 810 | 250 J |
| Benzo(b)fluoranthene | 920 | 310 J |
| Benzo(g,h,i)perylene | 500 | 380 U |
| Benzo(k)fluoranthene | 840 | 380 UJ |
| bis(2-Ethylhexyl)phthalate | 94 J | 380 U |
| Chrysene | 1100 | 250 J |
| Dibenz(a,h)anthracene | 110 J | 380 U |
| Fluoranthene | 1500 | 400 |
| Indeno(1,2,3-cd)pyrene | 530 | 380 U |
| Phenanthrene | 850 | 220 J |
| Pyrene | 1700 | 440 |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 200 J | 5.7 |
| 4,4'-DDE | 470 J | 11 |
| 4,4'-DDT | 180 J | 3 J |
| alpha-Chlordane | 23 J | 1.6 U |
| Metals (mg/Kg) | | |
| Aluminum | 4740 | 8560 |
| Antimony | 0.81 J | 1.4 J |
| Arsenic | 12.2 | 27.8 |
| Barium | 59 | 95.7 |
| Beryllium | 0.39 J | 0.71 J |
| Cadmium | 0.5 | 2.2 |
| Calcium | NA | 10900 |
| Chromium | 12.2 J | 28.4 |
| Cobalt | 6.4 | 8.3 J |
| Copper | 31.6 | 70.8 |
| Iron | 11700 | 19400 |
| Lead | 188 | 252 |
| Magnesium | NA | 2570 |
| Manganese | 396 | 225 |
| Mercury | 0.31 | 0.03 J |
| Nickel | 9.2 | 16.6 |
| Potassium | NA | 547 J |
| Selenium | 0.94 J | 1 U |
| Silver | 0.085 J | 1 U |
| Sodium | NA | 334 |
| Vanadium | 20 | 38.2 |
| Zinc | 131 | 282 J |
| AVS-SEM (mg/Kg) | | |
| Cadmium | 1.008 | 1.12 |
| Copper | 12.065 | 32.28975 |
| Lead | 132.608 | 124.67224 |
| Mercury | NA | 0.04012 J |
| Nickel | 16.4332 U | 8.152041 |
| SEM/AVS Ratio | 0.35 J | 4.3 |
| Sulfide | 237.54 J | 25.68 J |
| Zinc | 117.72 | 143.86038 J |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | 160000 J | 270000 |

**TABLE 2-53**
**SEDIMENT DATA HITS TABLE - STATION 021P**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-02 |
|---|---|
| VOCs (ug/Kg) | |
| 2-Butanone | 680 |
| Acetone | 2200 J |
| SVOCs (ug/Kg) | |
| No Detections | |
| PCB/Pesticides (ug/Kg) | |
| 4,4'-DDD | 25 J |
| 4,4'-DDE | 13 |
| Metals (mg/Kg) | |
| Aluminum | 8620 |
| Antimony | 1.4 J |
| Arsenic | 29.9 |
| Barium | 80.7 |
| Beryllium | 1.1 |
| Cadmium | 2.9 |
| Chromium | 155 J |
| Cobalt | 12.1 |
| Copper | 65.7 |
| Iron | 25500 |
| Lead | 197 |
| Manganese | 837 |
| Mercury | 0.35 |
| Nickel | 19.6 |
| Selenium | 1.2 J |
| Silver | 0.47 |
| Vanadium | 51.5 |
| Zinc | 377 |
| AVS-SEM (mg/Kg) | |
| Cadmium | 4.256 |
| Copper | 8.89 |
| Lead | 248.64 |
| SEM/AVS Ratio | 0.09 J |
| Sulfide | 3852 J |
| Zinc | 568.98 J |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | 370000 J |

**TABLE 2-54**
**SEDIMENT DATA HITS TABLE - STATION 03IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-03 | SD-MC-03-TR |
|---|---|---|
| VOCs (ug/Kg) | | |
| 1,1,1-Trichloroethane | 7 UJ | 100 J |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | 52 J |
| 2-Butanone | 60 J | R |
| Acetone | 210 J | 400 J |
| Methyl Acetate | NA | 350 J |
| Toluene | 7 UJ | 73 J |
| SVOCs (ug/Kg) | | |
| 2-Methylnaphthalene | 93 J | 370 U |
| Acenaphthene | 110 J | 370 U |
| Acenaphthylene | 390 | 370 U |
| Anthracene | 440 | 370 U |
| Benzo(a)anthracene | 2100 | 370 U |
| Benzo(a)pyrene | 3300 | 370 U |
| Benzo(b)fluoranthene | 4900 | 180 J |
| Benzo(g,h,i)perylene | 1700 | 370 U |
| Benzo(k)fluoranthene | 3200 | 370 UJ |
| bis(2-Ethylhexyl)phthalate | 1200 | 370 U |
| Carbazole | 370 | 370 U |
| Chrysene | 4400 | 370 U |
| Dibenz(a,h)anthracene | 530 | 370 U |
| Dibenzofuran | 120 J | 370 U |
| Fluoranthene | 6400 | 220 J |
| Fluorene | 210 J | 370 U |
| Indeno(1,2,3-cd)pyrene | 2400 | 370 U |
| Naphthalene | 160 J | 370 U |
| Phenanthrene | 3300 | 370 U |
| Pyrene | 6100 | 230 J |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 97 J | 1.1 J |
| 4,4'-DDE | 43 J | 1.6 J |
| 4,4'-DDT | 26 J | 2.9 U |
| alpha-Chlordane | 69 J | 1.5 U |
| Metals (mg/Kg) | | |
| Aluminum | 15200 | 20200 |
| Antimony | 0.93 J | 1.5 |
| Arsenic | 21.4 | 34.4 |
| Barium | 89.6 | 155 |
| Beryllium | 0.95 | 1.3 J |
| Cadmium | 2.8 | 4.1 |
| Calcium | NA | 6570 |
| Chromium | 46.2 J | 71.1 |
| Cobalt | 13.2 | 19.2 J |
| Copper | 75 | 125 |
| Iron | 20300 | 27700 |
| Lead | 153 | 259 |
| Magnesium | NA | 5810 |
| Manganese | 383 | 423 |
| Mercury | 0.26 | 0.09 J |
| Nickel | 24.3 | 32.1 |
| Potassium | NA | 2330 J |
| Selenium | 0.88 J | 1 U |
| Silver | 0.9 | 1 U |
| Sodium | NA | 5400 |
| Vanadium | 43.5 | 56 |
| Zinc | 457 | 645 J |

**TABLE 2-54**
**SEDIMENT DATA HITS TABLE - STATION 03IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-03 | SD-MC-03-TR |
|---|---|---|
| AVS-SEM (mg/Kg) | | |
| Cadmium | 2.464 | 2.6656 |
| Copper | 44.45 | 70.74535 |
| Lead | 165.76 | 168.72296 |
| Mercury | NA | 0.08024 J |
| Nickel | 42.2568 U | 17.413323 |
| SEM/AVS Ratio | 0.16 J | 59.8 |
| Sulfide | 1444.5 J | 4.494 J |
| Zinc | 366.24 J | 400.15644 J |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | 110000 J | 330000 |

# TABLE 2-55
# SEDIMENT DATA HITS TABLE - STATION 04IP
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-MC-04 | SD-MC-04-TR |
|---|---|---|
| VOCs (ug/Kg) | | |
| Methyl Acetate | NA | 36 |
| SVOCs (ug/Kg) | | |
| Acenaphthylene | 200 J | 430 U |
| Anthracene | 320 J | 430 U |
| Benzo(a)anthracene | 1500 | 430 U |
| Benzo(a)pyrene | 2100 | 430 U |
| Benzo(b)fluoranthene | 3000 | 210 J |
| Benzo(g,h,i)perylene | 1400 | 430 U |
| Benzo(k)fluoranthene | 2200 | 430 UJ |
| bis(2-Ethylhexyl)phthalate | 180 J | 430 U |
| Carbazole | 220 J | 430 U |
| Chrysene | 2600 | 430 U |
| Dibenz(a,h)anthracene | 350 J | 430 U |
| Dibenzofuran | 120 J | 430 U |
| Fluoranthene | 3700 | 230 J |
| Fluorene | 160 J | 430 U |
| Indeno(1,2,3-cd)pyrene | 1800 | 430 U |
| Naphthalene | 110 J | 430 U |
| Phenanthrene | 1600 | 430 U |
| Pyrene | 3400 | 220 J |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 27 | 3.4 U |
| Metals (mg/Kg) | | |
| Aluminum | 10200 | 11600 |
| Antimony | 1.2 J | 5.6 |
| Arsenic | 32.7 | 44.5 |
| Barium | 108 | 173 |
| Beryllium | 0.71 | 0.87 J |
| Cadmium | 6.1 | 5.2 |
| Calcium | NA | 9640 |
| Chromium | 311 J | 512 |
| Cobalt | 21 | 21.8 J |
| Copper | 290 | 344 |
| Iron | 36400 | 51600 |
| Lead | 49 | 369 |
| Magnesium | NA | 2890 |
| Manganese | 1520 | 1980 |
| Mercury | 0.6 | 0.08 J |
| Nickel | 25.8 | 25.6 |
| Potassium | NA | 724 J |
| Selenium | 1.5 J | 1 U |
| Silver | 0.75 | 1 U |
| Sodium | NA | 402 |
| Vanadium | 50.2 | 53.8 |
| Zinc | 590 | 611 J |
| AVS-SEM (mg/Kg) | | |
| Cadmium | 6.048 | 2.8112 |
| Copper | 279.4 | 163.9951 |
| Lead | 372.96 | 193.40048 |
| Mercury | NA | 0.1003 J |
| Nickel | 39.3223 U | 9.983169 |
| SEM/AVS Ratio | 3.4 J | 64.4 |
| Sulfide | 138.03 J | 4.173 U |
| Zinc | 536.28 | 304.80978 J |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | 120000 J | 290000 |

**TABLE 2-56**
**SEDIMENT DATA HITS TABLE - STATION 12IP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-12 |
|---|---|
| VOCs (ug/Kg) | |
| 2-Butanone | 230 |
| Acetone | 670 J |
| SVOCs (ug/Kg) | |
| 2-Methylnaphthalene | 81 J |
| Acenaphthene | 81 J |
| Acenaphthylene | 190 J |
| Anthracene | 380 |
| Benzo(a)anthracene | 1400 |
| Benzo(a)pyrene | 1900 |
| Benzo(b)fluoranthene | 2100 |
| Benzo(g,h,i)perylene | 1100 |
| Benzo(k)fluoranthene | 2000 |
| bis(2-Ethylhexyl)phthalate | 100 J |
| Carbazole | 170 J |
| Chrysene | 2100 |
| Dibenz(a,h)anthracene | 320 |
| Dibenzofuran | 120 J |
| Fluoranthene | 3100 |
| Fluorene | 190 J |
| Indeno(1,2,3-cd)pyrene | 1400 |
| Naphthalene | 160 J |
| Phenanthrene | 1500 |
| Pyrene | 2900 |
| PCB/Pesticides (ug/Kg) | |
| 4,4'-DDD | 8 |
| Metals (mg/Kg) | |
| Aluminum | 7520 |
| Antimony | 0.71 J |
| Arsenic | 22.8 |
| Barium | 70.5 |
| Beryllium | 0.52 |
| Cadmium | 1.2 |
| Chromium | 198 J |
| Cobalt | 9.2 J |
| Copper | 36.3 |
| Iron | 17800 |
| Lead | 153 |
| Manganese | 1180 |
| Mercury | 0.42 |
| Nickel | 10.9 |
| Selenium | 1.2 J |
| Silver | 0.2 J |
| Vanadium | 23.7 |
| Zinc | 234 |
| AVS-SEM (mg/Kg) | |
| Cadmium | 2.576 |
| Copper | 34.925 |
| Lead | 188.552 |
| SEM/AVS Ratio | 3.8 J |
| Sulfide | 48.15 J |
| Zinc | 40.548 |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | 130000 J |

**TABLE 2-57**
**SEDIMENT DATA HITS TABLE - STATION HB**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-HB-00-TR |
|---|---|
| VOCs (ug/Kg) | |
| Methyl Acetate | 58 |
| Metals (mg/Kg) | |
| Aluminum | 6150 |
| Antimony | 0.77 J |
| Arsenic | 16.2 |
| Barium | 59.4 |
| Beryllium | 0.73 J |
| Cadmium | 2.9 |
| Calcium | 9160 |
| Chromium | 18.2 |
| Cobalt | 12.2 J |
| Copper | 37.5 |
| Iron | 23300 |
| Lead | 233 |
| Magnesium | 1910 |
| Manganese | 58.1 |
| Nickel | 27.3 |
| Potassium | 395 J |
| Sodium | 400 |
| Vanadium | 33.2 |
| Zinc | 207 J |
| AVS-SEM (mg/Kg) | |
| Cadmium | 1.6464 |
| Copper | 7.75335 |
| Lead | 138.67896 |
| Mercury | 0.02006 J |
| Nickel | 5.863131 |
| SEM/AVS Ratio | 21.3 |
| Zinc | 135.88812 J |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | 250000 |

**TABLE 2-58**
**SEDIMENT DATA HITS TABLE - STATION SA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-SA-01-TR |
|---|---|
| VOCs (ug/Kg) | |
| Methyl Acetate | 24 |
| Toluene | 13 J |
| SVOCs (ug/Kg) | |
| Benzo(a)anthracene | 110 J |
| Benzo(a)pyrene | 130 J |
| Benzo(b)fluoranthene | 180 J |
| Chrysene | 140 J |
| Fluoranthene | 210 J |
| Phenanthrene | 170 J |
| Pyrene | 280 |
| PCB/Pesticides (ug/Kg) | |
| 4,4'-DDD | 4.5 |
| 4,4'-DDE | 3.9 |
| 4,4'-DDT | 2.2 |
| Metals (mg/Kg) | |
| Aluminum | 14300 |
| Antimony | 1.1 J |
| Arsenic | 27.2 |
| Barium | 87.5 |
| Beryllium | 1 J |
| Cadmium | 1.5 |
| Calcium | 5500 |
| Chromium | 42.3 |
| Cobalt | 13.2 J |
| Copper | 57.6 |
| Iron | 24200 |
| Lead | 456 |
| Magnesium | 4090 |
| Manganese | 263 |
| Mercury | 0.2 J |
| Nickel | 23.2 |
| Potassium | 819 J |
| Sodium | 262 |
| Vanadium | 52.7 |
| Zinc | 246 J |
| AVS-SEM (mg/Kg) | |
| Cadmium | 1.0192 |
| Copper | 29.00045 |
| Lead | 264.0764 |
| Mercury | 0.06018 J |
| Nickel | 10.188584 |
| SEM/AVS Ratio | 24.3 |
| Sulfide | 5.136 J |
| Zinc | 128.79876 J |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | 170000 |

# TABLE 2-59
## SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-23-01-FW | SD-23-02-FW | SD-23-03-FW | SD-24-01-FW | SD-24-02-FW | SD-24-03-FW | SD-24-03-ME | SD-25-01-FW | SD-25-02-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 18 U | 14 U | R | 14 U | 13 U | 13 U | 69 U | 18 U | 19 U |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | 18 U | 14 U | R | 14 U | 13 U | 13 U | NA | 18 U | 19 U |
| Acetone | 33 UJ | 20 UJ | R | 14 UJ | 14 UJ | 13 U | NA | 23 J | 51 J |
| Benzene | 18 U | 14 U | R | 14 U | 13 U | 13 U | 9 UJ | 18 U | 19 U |
| Carbon Disulfide | 18 U | 14 U | R | 14 U | 13 U | 13 U | NA | 18 U | 19 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | 18 U | 14 U | R | 14 U | 13 U | 13 U | NA | 18 U | 19 U |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 600 U | 67 J | R | 460 U | 360 J | 420 U | 23 J | 600 UJ | 3100 UJ |
| 4-Methylphenol | 600 U | 460 U | R | 460 U | 2100 U | 420 U | NA | 600 UJ | 3100 UJ |
| Acenaphthene | 600 U | 120 J | R | 120 J | 1400 J | 420 U | 50 J | 600 UJ | 3100 UJ |
| Acenaphthylene | 600 U | 450 J | R | 56 J | 800 J | 420 U | 44 J | 600 UJ | 3100 UJ |
| Anthracene | 600 U | 530 | R | 98 J | 1900 J | 48 J | 250 | 600 UJ | 3100 UJ |
| Benzo(a)anthracene | 600 U | 1800 | R | 440 J | 5900 | 520 | 960 | 510 J | 4900 J |
| Benzo(a)pyrene | 600 U | 1700 | R | 400 J | 5500 | 350 J | 790 J | 410 J | 5100 J |
| Benzo(b)fluoranthene | 600 U | 2300 | R | 740 | 10000 | 1100 | 880 | 480 J | 5800 J |
| Benzo(g,h,i)perylene | 600 U | 460 U | R | 460 U | 920 J | 210 J | 550 J | 190 J | 2200 J |
| Benzo(k)fluoranthene | 600 U | 2100 | R | 690 | 9600 | 1100 | 400 | 630 J | 6700 J |
| bis(2-Ethylhexyl)phthalate | 600 U | 120 J | R | 400 J | 2100 U | 430 J | NA | 600 UJ | 3100 UJ |
| Butylbenzylphthalate | 600 U | 460 U | R | 47 J | 2100 U | 87 J | NA | 600 UJ | 3100 UJ |
| Carbazole | 600 U | 460 U | R | 460 U | 990 J | 48 J | NA | 600 UJ | 3100 UJ |
| Chrysene | 600 U | 2000 | R | 550 | 7300 | 520 | 920 | 500 J | 5400 J |
| Dibenz(a,h)anthracene | 600 U | 460 U | R | 460 U | 500 J | 420 U | 120 J | 600 UJ | 1100 J |
| Dibenzofuran | 600 U | 460 U | R | 460 U | 1000 J | 420 U | NA | 600 UJ | 3100 UJ |
| Diethylphthalate | 600 U | 48 J | 170 J | 460 U | 230 J | 420 U | NA | 600 UJ | 3100 UJ |
| Di-n-butylphthalate | 600 U | 460 U | R | 460 U | 2100 U | 420 U | NA | 180 J | 3100 UJ |
| Di-n-octylphthalate | 600 UJ | 460 UJ | R | 460 UJ | 2100 UJ | 420 U | NA | 600 UJ | 3100 UJ |
| Fluoranthene | 71 J | 3100 | R | 880 | 15000 | 840 | 2600 | 1000 J | 11000 J |
| Fluorene | 600 U | 340 J | R | 91 J | 2800 | 44 J | 130 | 600 UJ | 3100 UJ |
| Indeno(1,2,3-cd)pyrene | 600 U | 460 U | R | 460 U | 1700 J | 210 J | 620 J | 270 J | 3700 J |
| Naphthalene | 600 U | 460 U | NA | 460 U | 520 J | 420 U | 23 J | 600 UJ | 3100 UJ |
| Phenanthrene | 600 U | 3000 | R | 460 | 12000 | 290 J | 1300 | 450 J | 3100 J |
| Pyrene | 81 J | 3600 | R | 680 | 11000 | 870 | 2400 | 750 UJ | 8100 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 60 | 84 J | R | 35 | 98 | 39 | 390 | 30 UJ | 31 UJ |
| 4,4'-DDE | 11 | 17 J | R | 5.8 | 10 | 17 | 37 | 30 UJ | 31 UJ |
| 4,4'-DDT | 6 U | 22 J | R | 20 | 130 | 27 J | 24 J | 30 UJ | 5.8 J |
| Aldrin | 3.1 U | 2.4 U | R | 0.54 J | 1.6 J | 0.29 J | 1.6 U | 15 UJ | 16 UJ |
| alpha-BHC | 3.1 U | 2.4 U | R | 2.4 U | 0.31 J | 2.2 U | 1.6 U | 15 UJ | 16 UJ |
| alpha-Chlordane | 3.1 U | 4.6 UJ | R | 2.4 U | 2.2 U | 5.3 | 2 J | 15 UJ | 8.4 J |
| Aroclor 1248 | 60 U | 46 U | R | 46 U | 43 U | 42 U | 290 J | 300 UJ | 310 UJ |
| Aroclor 1260 | 60 U | 46 U | R | 46 U | 43 U | 42 U | 200 | 300 UJ | 310 UJ |
| beta-BHC | 0.75 J | 2.4 U | R | 0.4 J | 2.2 U | 2.2 U | 1.6 U | 15 UJ | 16 UJ |
| Dieldrin | 1.1 J | 4.6 U | R | 1.5 J | 18 | 4.2 U | 3.2 U | 30 UJ | 6.3 J |
| Endosulfan I | 3.1 U | 2.4 U | R | 2.4 U | 2.2 U | 0.22 J | 1.6 U | 8.8 J | 66 J |
| Endosulfan II | 6 U | 4.6 U | R | 4.6 U | 7.1 | 2.3 J | 3.2 U | 30 UJ | 9.4 J |
| Endosulfan Sulfate | 6 U | 4.6 U | R | 6.6 | 4.3 U | 4.2 U | 3.2 U | 30 UJ | 11 J |
| Endrin | 6 U | 1.6 J | R | 4.6 U | 5.1 | 0.3 J | 3.2 U | 30 UJ | 31 UJ |
| Endrin Aldehyde | 6 U | 4.6 U | R | 4.6 U | 4.3 U | 1.1 J | 5.9 J | 30 UJ | 31 UJ |
| Endrin Ketone | 6 U | 4.6 U | R | 2.7 J | 4.3 | 4.2 U | 3.2 U | 30 UJ | 9.1 J |
| gamma-BHC (Lindane) | 3.1 U | 2.4 U | R | 2.4 U | 1.9 J | 2.2 U | 1.6 U | 15 UJ | 16 UJ |
| gamma-Chlordane | 3.1 U | 0.31 J | R | 2.4 U | 1.5 J | 4.6 | 4.2 | 15 UJ | 16 UJ |
| Heptachlor | 3.1 UJ | 2.4 UJ | R | 2.4 UJ | 0.84 J | 2.2 UJ | 1.6 U | 15 UJ | 16 UJ |
| Heptachlor Epoxide | 3.1 U | 2.4 UJ | R | 2.4 U | 1.4 J | 0.48 J | 1.6 U | 15 UJ | 16 UJ |

**TABLE 2-59**
**SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-23-01-FW | SD-23-02-FW | SD-23-03-FW | SD-24-01-FW | SD-24-02-FW | SD-24-03-FW | SD-24-03-ME | SD-25-01-FW | SD-25-02-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 1100 | 5110 | 5860 J | 2560 | 4020 | 13700 | 8440 J | 11600 | 13400 |
| Antimony | 0.74 J | 0.45 UJ | 1.7 J | 0.48 UJ | 0.5 J | 1.4 UJ | 1.2 J | 0.84 UJ | 1.7 |
| Arsenic | 5.2 | 17.8 | 14.8 J | 3.8 | 4.8 | 40.6 | 30.7 | 6 | 16.2 |
| Barium | 5.7 | 21.3 | 25.8 J | 13.3 | 16.2 | 67.3 | 43.6 | 27.1 | 50.5 |
| Beryllium | 0.19 U | 0.31 | 1 J | 0.19 U | 0.22 U | 1.2 | 0.8 J | 0.35 | 0.52 |
| Cadmium | 0.08699 | 0.1 | 0.9 J | 0.24 | 0.22 | 0.96 | 2 | 0.07 U | 0.8 |
| Calcium | 622 | 925 | 6410 J | 610 | 1010 | 3030 | 2410 | 3210 | 4680 |
| Chromium | 29.1 J | 22.4 J | 13.7 J | 10.3 J | 16.8 J | 277 J | 410 J | 22.8 | 60.6 |
| Cobalt | 0.76 | 3.2 | 1.9 J | 1.9 | 2.6 | 8.2 | 12.1 J | 7.6 | 9.9 |
| Copper | 1.9 | 9.5 | 9 J | 19.8 | 11.6 | 84.5 | 130 | 34.9 | 93.7 |
| Iron | 2040 | 9220 | 3500 J | 4790 | 6720 | 20900 | 13200 J | 16400 | 19000 J |
| Lead | 6.5 | 19.7 | 5.6 J | 81.3 | 73.9 | 581 | 566 J | 328 J | 755 J |
| Magnesium | 324 | 2230 | 858 J | 1140 | 1850 | 4370 | 2880 | 3920 | 5350 |
| Manganese | 12.6 J | 91.1 J | 133 J | 50.4 J | 68.4 J | 230 J | 131 | 115 | 175 J |
| Mercury | 0.07 J | 0.068 J | R | 0.033 J | 0.021 J | 0.7 J | 0.71 | 0.2 | 0.55 J |
| Nickel | 1.1 | 8.3 | 3.6 J | 6 | 7.2 | 26.1 | 23.7 J | 12.8 | 17.1 |
| Potassium | 126 | 780 | 173 J | 424 | 592 | 822 | 1170 J | 964 | 1690 |
| Selenium | 0.89 U | 0.56 U | 3 J | 0.6 U | 0.48 U | 2.1 | 0.91 J | 1.1 UJ | 3.2 J |
| Silver | 0.44 U | 0.28 U | R | 0.3 U | 0.24 U | 2.9 | 2.5 J | 0.53 U | 0.68 U |
| Sodium | 66.5 | 123 | 264 J | 102 | 106 | 382 | 516 | 91.5 U | 118 U |
| Thallium | 1 U | 0.65 U | R | 0.7 U | 0.56 U | 2 U | 0.12 UJ | 1.2 U | 2.2 |
| Vanadium | 2.5 | 12.8 | 18 J | 7.1 | 12.7 | 148 | 80.3 | 29.1 | 39.5 |
| Zinc | 11.5 | 30.6 | 10.4 J | 47.6 | 47 | 129 | 251 J | 62.6 | 307 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Acid Volatile Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | 0.14 U | 0.1 U | 0.33 | 0.13 | 6 | 1.1 | 5.6 U | 0.13 U | 0.83 |
| Copper | 0.96 U | 12.8 J | 21.7 U | 12.1 J | 7.2 J | 93.5 J | 3.175 UJ | 31.1 U | 70.5 U |
| Lead | 1.8 U | 11.1 J | 19.9 J | 86.7 J | 81.1 J | 522 J | 370.888 J | 306 | 704 |
| Mercury | 0.004 U | 0.003 U | 0.01 U | 0.004 U | 0.003 U | 0.01 U | 10.03 U | 0.004 U | 0.01 U |
| Nickel | 1.2 U | 64.2 U | 233 U | 34.8 U | 2.4 U | 109 U | 22.3022 J | 94 U | 147 U |
| SEM/AVS | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | 0 | 1.3 | 10 | 0.63 | 0.24 | 18 | 0.57 | 2.5 | 9.9 |
| Simultaneously Extracted Metal | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | 29.532 | 140.598 | 9.63 | 120.696 | 879.54 | 28.89 | 327.42 | 22.47 | 41.73 |
| Zinc | 4.3 U | 17.5 U | 43.8 U | 38.4 J | 38.2 J | 147 J | 243.171 J | 16 | 137 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 24300 | 4800 | 427000 | 2810 | 17900 | 183000 | 153000 J | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | 52600 | 71600 |

**TABLE 2-59**
**SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-25-02-ME | SD-25-03-FW | SD-26-01-FW | SD-26-02-FW | SD-26-03-FW | SD-27-01-FW | SD-27-02-FW | SD-27-03-FW | SD-MC-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 36 UJ | 13 U | 17 U | 13 U | 18 U | 14 U | 13 U | 13 U | 10 U |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | 13 U | 17 U | 17.5 J | 18 U | 14 U | 13 U | 13 U | 10 U |
| Acetone | NA | 13 U | 45 J | 130 J | 67 J | 44 J | 13 U | 57 J | 120 J |
| Benzene | 4 J | 13 U | 17 U | 13 U | 18 U | 14 U | 13 U | 13 U | 10 U |
| Carbon Disulfide | NA | 13 U | 17 U | 3 J | 18 U | 14 U | 13 U | 3 J | 10 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | 13 U | 17 U | 13 U | 18 U | 14 U | 13 U | 13 U | 10 U |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 22 J | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 300 U |
| 4-Methylphenol | NA | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 190 J |
| Acenaphthene | 69 J | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 290 J | 420 UJ | 430 UJ | 300 U |
| Acenaphthylene | 22 J | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 350 J | 430 UJ | 150 J |
| Anthracene | 330 | 220 J | 560 UJ | 440 UJ | 590 UJ | 990 J | 300 J | 430 UJ | 150 J |
| Benzo(a)anthracene | 1300 | 990 J | 560 UJ | 440 UJ | 590 UJ | 2400 J | 1500 J | 520 J | 640 |
| Benzo(a)pyrene | 1300 | 710 J | 560 UJ | 440 UJ | 590 UJ | 930 J | 830 J | 310 J | 810 |
| Benzo(b)fluoranthene | 1500 J | 920 J | 190 J | 150 J | 180 J | 1500 J | 950 J | 370 J | 920 |
| Benzo(g,h,i)perylene | 650 | 210 J | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 500 |
| Benzo(k)fluoranthene | 740 J | 750 J | 560 UJ | 440 UJ | 590 UJ | 1500 J | 1400 J | 540 J | 840 |
| bis(2-Ethylhexyl)phthalate | NA | 420 UJ | 620 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 94 J |
| Butylbenzylphthalate | NA | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 300 U |
| Carbazole | NA | 200 J | 560 UJ | 440 UJ | 590 UJ | 520 J | 130 J | 430 UJ | 300 U |
| Chrysene | 1400 | 800 J | 560 UJ | 440 UJ | 590 UJ | 2000 J | 1400 J | 510 J | 1100 |
| Dibenz(a,h)anthracene | 220 | 130 J | 560 UJ | 440 UJ | 590 UJ | 210 J | 210 J | 430 UJ | 110 J |
| Dibenzofuran | NA | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 210 J | 420 UJ | 430 UJ | 300 U |
| Diethylphthalate | NA | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 300 U |
| Di-n-butylphthalate | NA | 150 J | 180 J | 170 J | 240 J | 470 UJ | 160 J | 430 UJ | 300 U |
| Di-n-octylphthalate | NA | 420 UJ | 560 UJ | 220 J | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 300 U |
| Fluoranthene | 2500 | 1900 J | 250 J | 190 J | 210 J | 5500 J | 3400 J | 1300 J | 1500 |
| Fluorene | 120 | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 620 J | 180 J | 430 UJ | 300 U |
| Indeno(1,2,3-cd)pyrene | 670 | 410 J | 560 UJ | 440 UJ | 590 UJ | 450 J | 500 J | 160 J | 530 |
| Naphthalene | 32 J | 420 UJ | 560 UJ | 440 UJ | 590 UJ | 470 UJ | 420 UJ | 430 UJ | 300 U |
| Phenanthrene | 1600 | 1100 J | 560 UJ | 440 UJ | 590 UJ | 4500 J | 1500 J | 730 J | 850 |
| Pyrene | 2300 | 1300 J | 560 UJ | 440 UJ | 590 UJ | 3400 J | 2400 J | 890 UJ | 1700 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 11 J | 21 UJ | 59 J | 16.5 J | 17 J | 5.7 J | 21 UJ | 6.2 J | 200 J |
| 4,4'-DDE | 4.4 J | 21 UJ | 51 J | 12.75 J | 9.5 J | 5.5 J | 3.5 J | 4.6 J | 470 J |
| 4,4'-DDT | 2.1 J | 21 UJ | 30 J | 17.85 J | 29 UJ | 15 J | 14 J | 5.6 J | 180 J |
| Aldrin | 0.16 U | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| alpha-BHC | 0.16 U | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| alpha-Chlordane | 1.3 J | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 23 J |
| Aroclor 1248 | 56 J | 210 UJ | 280 UJ | 220 UJ | 290 UJ | 240 UJ | 210 UJ | 220 UJ | 3 U |
| Aroclor 1260 | 47 | 210 UJ | 280 UJ | 220 UJ | 290 UJ | 240 UJ | 210 UJ | 220 UJ | 3 U |
| beta-BHC | 0.16 U | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| Dieldrin | 0.32 U | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 4.7 J | 2.2 J | 0.76 U |
| Endosulfan I | 0.16 U | 7.2 J | 14 UJ | 11 UJ | 6.9 J | 7.2 J | 35 J | 8.2 J | 0.76 U |
| Endosulfan II | 0.33 J | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 5.3 J | 22 UJ | 0.76 U |
| Endosulfan Sulfate | 0.32 U | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 9.1 J | 22 UJ | 0.76 U |
| Endrin | 0.98 J | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 21 UJ | 22 UJ | 0.76 U |
| Endrin Aldehyde | 4.4 J | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 21 UJ | 22 UJ | NA |
| Endrin Ketone | 0.32 U | 21 UJ | 28 UJ | 22 UJ | 29 UJ | 24 UJ | 6.1 J | 22 UJ | 0.76 U |
| gamma-BHC (Lindane) | 0.16 U | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| gamma-Chlordane | 1.3 J | 11 UJ | 14 UJ | 1 J | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| Heptachlor | 0.16 U | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |
| Heptachlor Epoxide | 0.36 J | 11 UJ | 14 UJ | 11 UJ | 15 UJ | 12 UJ | 11 UJ | 11 UJ | 0.76 U |

**TABLE 2-59**
**SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-25-02-ME | SD-25-03-FW | SD-26-01-FW | SD-26-02-FW | SD-26-03-FW | SD-27-01-FW | SD-27-02-FW | SD-27-03-FW | SD-MC-01 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7190 | 8360 | 13500 | 8345 | 8380 | 3690 | 4300 | 5050 | 4740 |
| Antimony | 0.64 J | 0.84 | 0.79 UJ | 0.81 J | 0.7 J | 0.64 UJ | 0.43 UJ | 0.56 J | 0.81 J |
| Arsenic | 5.4 | 2.5 | 9.4 | 4.75 | 5 | 6.8 | 5.1 | 4.1 | 12.2 |
| Barium | 48.5 | 18 | 73.1 | 44.4 | 35.7 | 30.9 | 16.6 | 21.8 | 59 |
| Beryllium | 0.37 | 0.23 | 0.51 | .255 | 0.33 | 0.21 | 0.2 | 0.15 | 0.39 J |
| Cadmium | 0.78 J | 0.048 U | 0.23 U | 0.04 U | 0.082 UJ | 0.4 | 0.053 UJ | 0.16 U | 0.5 |
| Calcium | 2150 | 1180 | 1860 | 1205 | 1300 | 1310 | 1020 | 1160 | NA |
| Chromium | 26.1 | 13.4 | 32.6 | 20.8 | 8.9 | 9 | 13.4 | 15.1 | 12.2 J |
| Cobalt | 8.1 | 6.1 | 8 | 5.95 | 3.7 | 5.8 | 3.5 | 4.9 | 6.4 |
| Copper | 52.7 | 18.4 | 42.9 | 16.55 | 10 | 8.1 | 7.1 | 6.8 | 31.6 |
| Iron | 14700 | 11200 J | 17100 | 12500 | 8810 | 7640 | 7990 | 7710 | 11700 |
| Lead | 210 | 55 J | 103 J | 25.3 J | 42.5 J | 17.9 J | 28 J | 21 J | 188 |
| Magnesium | 3490 | 3000 | 5100 | 4130 | 1430 | 1500 | 2090 | 2390 | NA |
| Manganese | 190 | 87.1 J | 315 | 224 | 134 | 297 | 247 | 183 | 396 |
| Mercury | 0.1 | 0.081 J | 0.018 UJ | 0.014 UJ | 0.08 U | 0.016 U | 0.0095 U | 0.011 U | 0.31 |
| Nickel | 14.6 | 8.7 | 18.9 | 12.7 | 5.9 | 6.6 | 8.8 | 10.3 | 9.2 |
| Potassium | 1210 | 804 | 2410 | 2310 | 249 | 516 | 711 | 636 | NA |
| Selenium | 0.48 UJ | 0.59 U | 0.99 UJ | 0.59 UJ | 0.8 UJ | 0.8 UJ | 0.53 UJ | 0.57 UJ | 0.94 J |
| Silver | 0.2 J | 0.24 U | 0.49 U | 0.3 U | 0.4 U | 0.4 U | 0.27 U | 0.29 U | 0.085 J |
| Sodium | 187 U | 41.5 U | 85.5 U | 51.4 U | 69.6 U | 69.3 U | 46.2 U | 49.5 U | NA |
| Thallium | 0.14 U | 1 | 1.2 U | 0.89 UJ | 0.93999 U | 0.93 U | 0.62 U | 0.67 U | 0.36 U |
| Vanadium | 29.7 J | 20.4 | 37.6 | 22.9 | 18.8 | 9.3 | 11.3 | 10.2 | 20 |
| Zinc | 178 | 35 | 82.8 | 44.1 | 44.9 | 59.8 | 33 | 112 | 131 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Acid Volatile Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | 5.6 U | 0.1 U | 0.2 | 0.11 | 0.22 | 0.39 | 0.09 U | 0.17 | 1.008 |
| Copper | 6.985 | 57.5 U | 28.7 U | 28.4 U | 16.6 U | 17.2 U | 40.2 U | 4.8 U | 12.065 |
| Lead | 186.48 | 37.5 | 81 | 31.05 | 65.4 | 15.7 | 17.5 | 17.7 | 132.608 |
| Mercury | R | 0.03 | 0.005 U | 0.004 | 0.005 U | 0.004 U | 0.003 U | 0.004 U | NA |
| Nickel | 2.9345 J | 151 U | 9.8 U | 92.8 U | 25.6 U | 50.9 U | 88.7 U | 3.4 U | 16.4332 U |
| SEM/AVS | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | 1.43 | 6.2 | 0.23 | .945 | 0.47 | 0.86 | 15 | 0.68 | 0.35 J |
| Simultaneously Extracted Metal | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | 65.163 | 9.63 | 436.56 | 256.8 | 205.44 | 446.19 | 19.26 | 526.44 | 237.54 J |
| Zinc | 121.256 J | 11.2 | 63.3 | 36.75 | 50 | 59.3 | 17.9 | 73.8 | 117.72 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 59200 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | 12000 | 36800 | 12050 | 47200 | 13400 | 7650 | 10000 | 160000 J |

**TABLE 2-59**
**SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-01-TR | SD-MC-02 | SD-MC-03 | SD-MC-03-TR | SD-MC-04 | SD-MC-04-TR | SD-MC-12 | SD-HB-00-TR | SD-SA-01-TR |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 55 U | 25 U | 7 UJ | 100 J | 13 U | 32 U | 17 U | 30 U | 16 UJ |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | 55 U | NA | NA | 52 J | NA | 32 UJ | NA | 30 U | 16 UJ |
| 2-Butanone | R | 680 | 60 J | R | 13 U | 32 U | 230 | 30 U | 16 UJ |
| Acetone | 220 UJ | 2200 J | 210 J | 400 J | 34 UJ | 180 U | 670 J | 120 U | 180 UJ |
| Benzene | R | 25 U | 7 UJ | R | 13 U | 32 U | 17 U | 30 U | 16 UJ |
| Carbon Disulfide | R | 25 U | 7 UJ | R | 13 U | 32 U | 17 U | 30 U | 16 UJ |
| Methyl Acetate | 210 | NA | NA | 350 J | NA | 36 | NA | 58 | 24 |
| Toluene | 7.9 J | 25 U | 7 UJ | 73 J | 34 U | 32 U | 17 U | 30 U | 13 J |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 380 U | 1000 U | 93 J | 370 U | 400 U | 430 U | 81 J | 460 U | 230 U |
| 4-Methylphenol | NA | 1000 U | 340 U | NA | 400 U | NA | 320 U | NA | NA |
| Acenaphthene | 380 U | 1000 U | 110 J | 370 U | 400 U | 430 U | 81 J | 460 U | 230 U |
| Acenaphthylene | 380 U | 1000 U | 390 | 370 U | 200 J | 430 U | 190 J | 460 U | 230 U |
| Anthracene | 380 U | 1000 U | 440 | 370 U | 320 J | 430 U | 380 | 460 U | 230 U |
| Benzo(a)anthracene | 210 J | 1000 U | 2100 | 370 U | 1500 | 430 U | 1400 | 460 U | 110 J |
| Benzo(a)pyrene | 250 J | 1000 U | 3300 | 370 U | 2100 | 430 U | 1900 | 460 U | 130 J |
| Benzo(b)fluoranthene | 310 J | 1000 U | 4900 | 180 J | 3000 | 210 J | 2100 | 460 U | 180 J |
| Benzo(g,h,i)perylene | 380 U | 1000 U | 1700 | 370 U | 1400 | 430 U | 1100 | 460 U | 230 U |
| Benzo(k)fluoranthene | 380 UJ | 1000 U | 3200 | 370 UJ | 2200 | 430 UJ | 2000 | 460 UJ | 230 UJ |
| bis(2-Ethylhexyl)phthalate | 380 U | 1000 U | 1200 | 370 U | 180 J | 430 U | 100 J | 460 U | 230 U |
| Butylbenzylphthalate | 380 U | 1000 U | 340 U | 370 U | 400 U | 430 U | 320 U | 460 U | 230 U |
| Carbazole | 380 U | 1000 U | 370 | 370 U | 220 J | 430 U | 170 J | 460 U | 230 U |
| Chrysene | 250 J | 1000 U | 4400 | 370 U | 2600 | 430 U | 2100 | 460 U | 140 J |
| Dibenz(a,h)anthracene | 380 U | 1000 U | 530 | 370 U | 350 J | 430 U | 320 | 460 U | 230 U |
| Dibenzofuran | 380 U | 1000 U | 120 J | 370 U | 120 J | 430 U | 120 J | 460 U | 230 U |
| Diethylphthalate | 380 U | 1000 U | 340 U | 370 U | 400 U | 430 U | 320 U | 460 U | 230 U |
| Di-n-butylphthalate | 380 U | 1000 U | 340 U | 370 U | 400 U | 430 U | 320 U | 460 U | 230 U |
| Di-n-octylphthalate | 380 U | 1000 U | 340 U | 370 U | 400 U | 430 U | 320 U | 460 U | 230 U |
| Fluoranthene | 400 | 1000 U | 6400 | 220 J | 3700 | 230 J | 3100 | 460 U | 210 J |
| Fluorene | 380 U | 1000 U | 210 J | 370 U | 160 J | 430 U | 190 J | 460 U | 230 U |
| Indeno(1,2,3-cd)pyrene | 380 U | 1000 U | 2400 | 370 U | 1800 | 430 U | 1400 | 460 U | 230 U |
| Naphthalene | 380 U | 1000 U | 160 J | 370 U | 110 J | 430 U | 160 J | 460 U | 230 U |
| Phenanthrene | 220 J | 1000 U | 3300 | 370 U | 1600 | 430 U | 1500 | 460 U | 170 J |
| Pyrene | 440 | 1000 U | 6100 | 230 J | 3400 | 220 J | 2900 | 460 U | 280 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 5.7 | 25 J | 97 J | 1.1 J | 27 | 3.4 U | 8 | 3.6 U | 4.5 |
| 4,4'-DDE | 11 | 13 | 43 J | 1.6 J | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 3.9 |
| 4,4'-DDT | 3 J | 2.6 U | 26 J | 2.9 U | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 2.2 |
| Aldrin | 1.6 U | 2.6 U | 0.85 UJ | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| alpha-BHC | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| alpha-Chlordane | 1.6 U | 2.6 U | 69 J | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| Aroclor 1248 | 31 U | 10.4 U | 3.4 U | 29 U | 3.9 U | 34 U | 3.2 U | 36 U | 19 U |
| Aroclor 1260 | 31 U | 10.4 U | 3.4 U | 29 U | 3.9 U | 34 U | 3.2 U | 36 U | 19 U |
| beta-BHC | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| Dieldrin | 3.1 U | 2.6 U | 0.85 U | 2.9 U | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 1.9 U |
| Endosulfan I | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| Endosulfan II | 3.1 U | 2.6 U | 0.85 U | 2.9 U | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 1.9 U |
| Endosulfan Sulfate | 3.1 U | 2.6 U | 0.85 U | 2.9 U | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 1.9 U |
| Endrin | 3.1 U | 2.6 U | 0.85 UJ | 2.9 U | 0.99 U | 3.4 U | 0.79 U | 3.6 U | 1.9 U |
| Endrin Aldehyde | 3.1 U | NA | NA | 2.9 U | NA | 3.4 U | NA | 3.6 U | 1.9 U |
| Endrin Ketone | 3.1 UJ | 2.6 U | 0.85 U | 2.9 UJ | 0.99 U | 3.4 UJ | 0.79 U | 3.6 UJ | 1.9 UJ |
| gamma-BHC (Lindane) | 1.6 U | 2.6 U | 0.85 UJ | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| gamma-Chlordane | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| Heptachlor | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |
| Heptachlor Epoxide | 1.6 U | 2.6 U | 0.85 U | 1.5 U | 0.99 U | 1.7 U | 0.79 U | 1.8 U | 0.93 U |

**TABLE 2-59**
**SEDIMENT DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MC-01-TR | SD-MC-02 | SD-MC-03 | SD-MC-03-TR | SD-MC-04 | SD-MC-04-TR | SD-MC-12 | SD-HB-00-TR | SD-SA-01-TR |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8560 | 8620 | 15200 | 20200 | 10200 | 11600 | 7520 | 6150 | 14300 |
| Antimony | 1.4 J | 1.4 J | 0.93 J | 1.5 | 1.2 J | 5.6 | 0.71 J | 0.77 J | 1.1 J |
| Arsenic | 27.8 | 29.9 | 21.4 | 34.4 | 32.7 | 44.5 | 22.8 | 16.2 | 27.2 |
| Barium | 95.7 | 80.7 | 89.6 | 155 | 108 | 173 | 70.5 | 59.4 | 87.5 |
| Beryllium | 0.71 J | 1.1 | 0.95 | 1.3 J | 0.71 | 0.87 J | 0.52 | 0.73 J | 1 J |
| Cadmium | 2.2 | 2.9 | 2.8 | 4.1 | 6.1 | 5.2 | 1.2 | 2.9 | 1.5 |
| Calcium | 10900 | NA | NA | 6570 | NA | 9640 | NA | 9160 | 5500 |
| Chromium | 28.4 | 155 J | 46.2 J | 71.1 | 311 J | 512 | 198 J | 18.2 | 42.3 |
| Cobalt | 8.3 J | 12.1 | 13.2 | 19.2 J | 21 | 21.8 J | 9.2 J | 12.2 J | 13.2 J |
| Copper | 70.8 | 65.7 | 75 | 125 | 290 | 344 | 36.3 | 37.5 | 57.6 |
| Iron | 19400 | 25500 | 20300 | 27700 | 36400 | 51600 | 17800 | 23300 | 24200 |
| Lead | 252 | 197 | 153 | 259 | 49 | 369 | 153 | 233 | 456 |
| Magnesium | 2570 | NA | NA | 5810 | NA | 2890 | NA | 1910 | 4090 |
| Manganese | 225 | 837 | 383 | 423 | 1520 | 1980 | 1180 | 58.1 | 263 |
| Mercury | 0.03 J | 0.35 | 0.26 | 0.09 J | 0.6 | 0.08 J | 0.42 | 0.02 UJ | 0.2 J |
| Nickel | 16.6 | 19.6 | 24.3 | 32.1 | 25.8 | 25.6 | 10.9 | 27.3 | 23.2 |
| Potassium | 547 J | NA | NA | 2330 J | NA | 724 J | NA | 395 J | 819 J |
| Selenium | 1 U | 1.2 J | 0.88 J | 1 U | 1.5 J | 1 U | 1.2 J | 0.99 U | 0.99 U |
| Silver | 1 U | 0.47 | 0.9 | 1 U | 0.75 | 1 U | 0.2 J | 0.99 U | 0.99 U |
| Sodium | 334 | NA | NA | 5400 | NA | 402 | NA | 400 | 262 |
| Thallium | 1.1 U | 0.45 U | 0.55 U | 1.1 U | 0.62 U | 1.1 U | 0.49 U | 1.1 U | 1.1 U |
| Vanadium | 38.2 | 51.5 | 43.5 | 56 | 50.2 | 53.8 | 23.7 | 33.2 | 52.7 |
| Zinc | 282 J | 377 | 457 | 645 J | 590 | 611 J | 234 | 207 J | 246 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Acid Volatile Sulfide | 0.8 J | NA | NA | 0.14 J | NA | 0.13 U | NA | 0.14 U | 0.16 J |
| Cadmium | 0.01 | 4.256 | 2.464 | 0.0238 | 6.048 | 0.0251 | 2.576 | 0.0147 | 0.0091 |
| Copper | 0.5085 | 8.89 | 44.45 | 1.1141 | 279.4 | 2.5826 | 34.925 | 0.1221 | 0.4567 |
| Lead | 0.6017 | 248.64 | 165.76 | 0.8143 | 372.96 | 0.9334 | 188.552 | 0.6693 | 1.2745 |
| Mercury | 0.0002 J | NA | NA | 0.0004 J | NA | 0.0005 J | NA | 0.0001 J | 0.0003 J |
| Nickel | 0.1389 | 64.559 U | 42.2568 U | 0.2967 | 39.3223 U | 0.1701 | 39.9092 U | 0.0999 | 0.1736 |
| SEM/AVS | 4.3 | NA | NA | 59.8 | NA | 64.4 | NA | 21.3 | 24.3 |
| SEM/AVS Ratio | NA | 0.09 J | 0.16 J | NA | 3.4 J | NA | 3.8 J | NA | NA |
| Simultaneously Extracted Metal | 3.459 | NA | NA | 8.3679 | NA | 8.3724 | NA | 2.9839 | 3.8836 |
| Sulfide | NA | 3852 J | 1444.5 J | NA | 138.03 J | NA | 48.15 J | NA | NA |
| Zinc | 2.1997 J | 568.98 J | 366.24 J | 6.1186 J | 536.28 | 4.6607 J | 40.548 | 2.0778 J | 1.9694 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 270000 | 370000 J | 110000 J | 330000 | 120000 J | 290000 | 130000 J | 250000 | 170000 |

**TABLE 2-60**
**SEDIMENT DATA SUMMARY - STATION 1**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 26 - 30 | 14 |
| 1,1,1-Trichloroethane | | | | | | 0 / 12 | 11 - 228 | 23 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 12 | 11 - 76 | 12 |
| 1,1,2-Trichloroethane | | | | | | 0 / 12 | 11 - 76 | 12 |
| 1,1-Dichloroethane | | | | | | 0 / 12 | 11 - 228 | 23 |
| 1,1-Dichloroethene | | | | | | 0 / 12 | 11 - 228 | 23 |
| 1,2-Dichloroethane | | | | | | 0 / 12 | 11 - 228 | 23 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| 1,2-Dichloropropane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| 2-Butanone | 12 | J | 20 | J | SD-01-04-FW | 2 / 10 | 11 - 26 | 8.9 |
| 2-Hexanone | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| 4-Methyl-2-pentanone | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Acetone | | | | | | 0 / 10 | 12 - 120 | 30 |
| Benzene | | | | | | 0 / 12 | 11 - 30 | 8.1 |
| Bromodichloromethane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Bromoform | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Bromomethane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Carbon Disulfide | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Carbon Tetrachloride | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Chlorobenzene | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Chloroethane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Chloroform | | | | | | 0 / 12 | 11 - 76 | 12 |
| Chloromethane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| cis-1,2-Dichloroethene | 58 | J | 62 | J | SD-01-06-ME | 2 / 2 | 66 - 76 | 60 |
| cis-1,3-Dichloropropene | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Dibromochloromethane | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Ethylbenzene | | | | | | 0 / 12 | 11 - 30 | 8.1 |
| Methylene chloride | | | | | | 0 / 12 | 11 - 228 | 33 |
| Naphthalene | | | | | | 0 / 2 | 197 - 228 | 106 |
| Styrene | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Tetrachloroethene | | | | | | 0 / 12 | 11 - 228 | 23 |
| Toluene | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 197 - 228 | 106 |
| trans-1,3-Dichloropropene | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| Trichloroethene | 37 | J | 37 | J | SD-01-06-ME | 1 / 12 | 11 - 76 | 12 |
| Vinyl chloride | | | | | | 0 / 12 | 11 - 228 | 23 |
| Xylene, m/p- | | | | | | 0 / 2 | 66 - 76 | 36 |
| Xylene, o- | | | | | | 0 / 2 | 66 - 76 | 36 |
| Xylenes (total) | | | | | | 0 / 10 | 11 - 26 | 6.9 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 10 | 370 - 870 | 230 |
| 1,2-Dichlorobenzene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 1,3-Dichlorobenzene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 1,4-Dichlorobenzene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 10 | 930 - 2200 | 582 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,4-Dichlorophenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,4-Dimethylphenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,4-Dinitrophenol | | | | | | 0 / 10 | 930 - 2200 | 582 |
| 2,4-Dinitrotoluene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2,6-Dinitrotoluene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2-Chloronaphthalene | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2-Chlorophenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2-Methylnaphthalene | 20 | J | 20 | J | SD-01-06-ME | 2 / 12 | 67 - 870 | 195 |
| 2-Methylphenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 2-Nitroaniline | | | | | | 0 / 10 | 930 - 2200 | 582 |
| 2-Nitrophenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 10 | 370 - 870 | 230 |
| 3-Nitroaniline | | | | | | 0 / 10 | 930 - 2200 | 582 |

**TABLE 2-60**
**SEDIMENT DATA SUMMARY - STATION 1**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 10 | 930 - 2200 | 582 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 10 | 370 - 870 | 230 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 4-Chloroaniline | | | | | | 0 / 10 | 370 - 870 | 230 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 10 | 370 - 870 | 230 |
| 4-Methylphenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| 4-Nitroaniline | | | | | | 0 / 10 | 930 - 2200 | 582 |
| 4-Nitrophenol | | | | | | 0 / 10 | 930 - 2200 | 582 |
| Acenaphthene | 32 | J | 65 | J | SD-01-03-FW | 3 / 12 | 67 - 870 | 186 |
| Acenaphthylene | 33 | J | 37 | J | SD-01-07-ME | 2 / 12 | 67 - 870 | 197 |
| Anthracene | 27 | J | 150 | J | SD-01-06-FW | 6 / 12 | 67 - 480 | 151 |
| Benzo(a)anthracene | 90 | J | 1100 | | SD-01-07-ME | 8 / 12 | 67 - 420 | 358 |
| Benzo(a)pyrene | 89 | J | 930 | | SD-01-06-ME | 8 / 12 | 67 - 420 | 358 |
| Benzo(b)fluoranthene | 90 | J | 1600 | | SD-01-07-ME | 8 / 12 | 67 - 420 | 479 |
| Benzo(g,h,i)perylene | 120 | J | 1000 | J | SD-01-06-FW | 6 / 12 | 67 - 420 | 313 |
| Benzo(k)fluoranthene | 94 | J | 840 | J | SD-01-06-FW | 8 / 12 | 67 - 420 | 326 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 10 | 370 - 870 | 230 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 10 | 370 - 870 | 230 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Butylbenzylphthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Carbazole | 74 | J | 74 | J | SD-01-03-FW | 1 / 10 | 370 - 870 | 218 |
| Chrysene | 130 | J | 1100 | J | SD-01-06-FW | 8 / 12 | 67 - 420 | 402 |
| Di-n-butylphthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Di-n-octylphthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Dibenz(a,h)anthracene | 110 | | 120 | | SD-01-06-ME | 2 / 12 | 67 - 870 | 210 |
| Dibenzofuran | | | | | | 0 / 10 | 370 - 870 | 230 |
| Diethylphthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Dimethylphthalate | | | | | | 0 / 10 | 370 - 870 | 230 |
| Fluoranthene | 110 | J | 2200 | | SD-01-07-ME | 9 / 12 | 67 - 420 | 684 |
| Fluorene | 54 | J | 89 | | SD-01-06-ME | 3 / 12 | 67 - 870 | 195 |
| Hexachlorobenzene | | | | | | 0 / 10 | 370 - 870 | 230 |
| Hexachlorobutadiene sv | | | | | | 0 / 10 | 370 - 870 | 230 |
| Hexachlorocyclopentadiene | | | | | | 0 / 10 | 370 - 870 | 230 |
| Hexachloroethane | | | | | | 0 / 10 | 370 - 870 | 230 |
| Indeno(1,2,3-cd)pyrene | 120 | J | 880 | J | SD-01-06-FW | 6 / 12 | 67 - 420 | 318 |
| Isophorone | | | | | | 0 / 10 | 370 - 870 | 230 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 10 | 370 - 870 | 230 |
| N-nitrosodiphenylamine | | | | | | 0 / 10 | 370 - 870 | 230 |
| Naphthalene | 23 | J | 24 | J | SD-01-06-ME | 2 / 12 | 67 - 870 | 195 |
| Nitrobenzene | | | | | | 0 / 10 | 370 - 870 | 230 |
| Pentachlorophenol | | | | | | 0 / 10 | 930 - 2200 | 582 |
| Phenanthrene | 74 | J | 900 | | SD-01-07-ME | 9 / 12 | 67 - 420 | 356 |
| Phenol | | | | | | 0 / 10 | 370 - 870 | 230 |
| Pyrene | 130 | J | 1900 | | SD-01-06-ME | 9 / 12 | 67 - 420 | 655 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.31 | 0.16 |
| 4,4'-DDD | 16 | J | 18 | J | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 6.8 |
| 4,4'-DDE | 7.9 | J | 28 | | SD-01-07-ME | 3 / 12 | 0.31 - 43 | 8.8 |
| 4,4'-DDT | 2.5 | J | 3.2 | J | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 4.5 |
| Aldrin | 0.21 | J | 0.21 | J | SD-01-07-ME | 1 / 12 | 0.16 - 22 | 2.1 |
| alpha-BHC | 0.17 | J | 0.17 | J | SD-01-07-ME | 1 / 12 | 0.16 - 22 | 2.1 |
| alpha-Chlordane | 9.3 | J | 10 | J | SD-01-07-ME | 2 / 12 | 0.16 - 22 | 3.7 |
| Aroclor 1016 | | | | | | 0 / 12 | 3.1 - 430 | 40 |
| Aroclor 1221 | | | | | | 0 / 12 | 6.2 - 880 | 81 |
| Aroclor 1232 | | | | | | 0 / 12 | 3.1 - 430 | 40 |
| Aroclor 1242 | | | | | | 0 / 12 | 3.1 - 430 | 40 |
| Aroclor 1248 | 46 | J | 70 | J | SD-01-07-ME | 2 / 12 | 3.1 - 430 | 49 |
| Aroclor 1254 | | | | | | 0 / 12 | 3.1 - 430 | 40 |
| Aroclor 1260 | 47 | | 69 | J | SD-01-07-ME | 2 / 12 | 3.1 - 430 | 49 |
| beta-BHC | | | | | | 0 / 12 | 0.16 - 22 | 2.1 |

**TABLE 2-60**
**SEDIMENT DATA SUMMARY - STATION 1**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 0.19 | J | 0.19 | J | SD-01-06-ME | 1 / 12 | 0.16 - 22 | 2.1 |
| Dieldrin | 0.5 | J | 0.61 | J | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 4.1 |
| Endosulfan I | | | | | | 0 / 12 | 0.16 - 22 | 2.1 |
| Endosulfan II | 0.41 | | 0.66 | | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 4.1 |
| Endosulfan Sulfate | 0.67 | J | 0.78 | J | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 4.1 |
| Endrin | 1.2 | J | 1.8 | J | SD-01-07-ME | 2 / 12 | 0.31 - 43 | 4.2 |
| Endrin Aldehyde | 3.2 | J | 3.4 | J | SD-01-06-ME | 2 / 12 | 0.31 - 43 | 4.5 |
| Endrin Ketone | | | | | | 0 / 12 | 0.31 - 43 | 4.0 |
| gamma-BHC (Lindane) | | | | | | 0 / 12 | 0.16 - 22 | 2.1 |
| gamma-Chlordane | 6.4 | J | 6.8 | J | SD-01-07-ME | 2 / 12 | 0.16 - 22 | 3.1 |
| Heptachlor | | | | | | 0 / 12 | 0.16 - 22 | 2.1 |
| Heptachlor Epoxide | | | | | | 0 / 12 | 0.16 - 22 | 2.1 |
| Methoxychlor | | | | | | 0 / 12 | 1.6 - 220 | 21 |
| Toxaphene | | | | | | 0 / 12 | 16 - 2200 | 206 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2970 | | 19000 | | SD-01-06-FW | 12 / 12 | 3.5 | 6722 |
| Antimony | 0.53 | J | 2.2 | J | SD-01-06-FW | 6 / 12 | 0.27 - 0.63 | 0.77 |
| Arsenic | 2.4 | | 171 | | SD-01-06-FW | 12 / 12 | 0.22 | 39 |
| Barium | 8.1 | | 95.1 | | SD-01-07-ME | 12 / 12 | 0.018 | 30 |
| Beryllium | 0.87 | J | 1 | | SD-01-06-FW | 3 / 12 | 0.028 - 0.3 | 0.28 |
| Cadmium | 0.045 | | 37.7 | | SD-01-06-FW | 10 / 12 | 0.041 - 0.35 | 5.0 |
| Calcium | 493 | | 7510 | | SD-01-07-ME | 12 / 12 | 1.6 | 2129 |
| Chromium | 6.9 | | 192 | J | SD-01-07-ME | 12 / 12 | 0.055 | 44 |
| Cobalt | 2.6 | | 38.9 | | SD-01-06-FW | 12 / 12 | 0.38 | 12 |
| Copper | 5.8 | | 1250 | | SD-01-06-FW | 12 / 12 | 0.083 | 195 |
| Cyanide | | | | | | 0 / 10 | 0.41 - 1.4 | 0.31 |
| Iron | 3830 | | 32500 | J | SD-01-07-ME | 12 / 12 | 0.57 | 12112 |
| Lead | 7.9 | J | 477 | J | SD-01-07-ME | 12 / 12 | 0.27 | 129 |
| Magnesium | 913 | | 3520 | | SD-01-06-FW | 12 / 12 | 3.5 | 2068 |
| Manganese | 48.5 | | 595 | | SD-01-07-ME | 12 / 12 | 0.018 | 180 |
| Mercury | 0.2 | | 1.1 | | SD-01-07-ME | 4 / 12 | 0.005 - 0.095 | 0.25 |
| Nickel | 4.8 | | 41.3 | J | SD-01-07-ME | 12 / 12 | 0.15 | 14 |
| Potassium | 224 | J | 1190 | J | SD-01-06-ME | 12 / 12 | 2.7 | 668 |
| Selenium | 1.4 | J | 5.1 | J | SD-01-06-ME | 2 / 12 | 0.053 - 2.2 | 0.86 |
| Silver | 0.51 | | 0.75 | J | SD-01-06-ME | 3 / 12 | 0.01 - 0.7 | 0.30 |
| Sodium | 165 | | 1080 | | SD-01-06-FW | 4 / 12 | 0.22 - 68.2 | 221 |
| Thallium | 0.54 | | 2.9 | | SD-01-06-FW | 3 / 12 | 0.038 - 0.92 | 0.63 |
| Vanadium | 6.5 | | 56.4 | | SD-01-06-ME | 12 / 12 | 0.073 | 20 |
| Zinc | 46.1 | | 7670 | | SD-01-10-FW | 12 / 12 | 0.17 | 1806 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 4.5 | J | 8.2 | J | SD-01-07-ME | 2 / 2 | N/A | 6.4 |
| Cadmium | 0.74 | | 34 | | SD-01-06-FW | 6 / 12 | 0.14 - 8.96 | 5.1 |
| Copper | 5.1 | J | 635 | J | SD-01-06-FW | 2 / 12 | 2.7 - 93.9 | 65 |
| Lead | 6.9 | | 441 | J | SD-01-07-ME | 12 / 12 | N/A | 120 |
| Mercury | 0.010 | | 0.14 | | SD-01-04-FW | 4 / 12 | 0.003 - 10.03 | 0.85 |
| Nickel | 13 | J | 50 | J | SD-01-06-ME | 2 / 12 | 1.5 - 88.4 | 15 |
| SEM/AVS Ratio | 0.12 | | 3.8 | | SD-01-08-FW | 12 / 12 | N/A | 1.4 |
| Sulfide | 9.3 | J | 7094 | J | SD-01-06-FW | 12 / 12 | N/A | 1245 |
| Zinc | 36 | | 6430 | | SD-01-06-FW | 12 / 12 | N/A | 1126 |
| Total Combustible Organics (mg/Kg) | 152000 | J | 230000 | J | SD-01-06-ME | 2 / 2 | 2000 | 191000 |
| Total Organic Carbon (mg/Kg) | 830 | | 65700 | | SD-01-06-FW | 7 / 10 | 114 - 116 | 10831 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-61**
**SEDIMENT DATA SUMMARY - STATION 2**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 10 - 21 | 7.8 |
| 1,1,1-Trichloroethane | | | | | | 0 / 5 | 12 - 159 | 27 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 5 | 12 - 53 | 12 |
| 1,1,2-Trichloroethane | | | | | | 0 / 5 | 12 - 53 | 12 |
| 1,1-Dichloroethane | | | | | | 0 / 5 | 12 - 159 | 27 |
| 1,1-Dichloroethene | | | | | | 0 / 5 | 12 - 159 | 27 |
| 1,2-Dichloroethane | | | | | | 0 / 5 | 12 - 159 | 27 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 12 | 6.0 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 12 | 6.0 |
| 2-Butanone | 9 | J | 9 | J | SD-02-01-FW | 1 / 3 | 12 | 7.0 |
| 2-Hexanone | | | | | | 0 / 3 | 12 | 6.0 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 12 | 6.0 |
| Acetone | | | | | | 0 / 3 | 16 - 52 | 17 |
| Benzene | | | | | | 0 / 5 | 10 - 21 | 6.7 |
| Bromodichloromethane | | | | | | 0 / 3 | 12 | 6.0 |
| Bromoform | | | | | | 0 / 3 | 12 | 6.0 |
| Bromomethane | | | | | | 0 / 3 | 12 | 6.0 |
| Carbon Disulfide | | | | | | 0 / 3 | 12 | 6.0 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 12 | 6.0 |
| Chlorobenzene | | | | | | 0 / 3 | 12 | 6.0 |
| Chloroethane | | | | | | 0 / 3 | 12 | 6.0 |
| Chloroform | | | | | | 0 / 5 | 12 - 53 | 12 |
| Chloromethane | | | | | | 0 / 3 | 12 | 6.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 2 | 26 - 53 | 20 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 12 | 6.0 |
| Dibromochloromethane | | | | | | 0 / 3 | 12 | 6.0 |
| Ethylbenzene | | | | | | 0 / 5 | 10 - 21 | 6.7 |
| Methylene chloride | | | | | | 0 / 5 | 12 - 159 | 30 |
| Naphthalene | | | | | | 0 / 2 | 77 - 159 | 59 |
| Styrene | | | | | | 0 / 3 | 12 | 6.0 |
| Tetrachloroethene | | | | | | 0 / 5 | 12 - 159 | 27 |
| Toluene | | | | | | 0 / 3 | 12 | 6.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 77 - 159 | 59 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 12 | 6.0 |
| Trichloroethene | | | | | | 0 / 5 | 12 - 53 | 12 |
| Vinyl chloride | | | | | | 0 / 5 | 12 - 159 | 27 |
| Xylene, m/p- | | | | | | 0 / 2 | 26 - 53 | 20 |
| Xylene, o- | | | | | | 0 / 2 | 26 - 53 | 20 |
| Xylenes (total) | | | | | | 0 / 3 | 12 | 6.0 |
| Xylenes (total) | | | | | | 0 / 14 | 13 - 19 | 7.5 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 410 | 205 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 410 | 205 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 410 | 205 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 410 | 205 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 410 | 205 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1000 | 500 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 410 | 205 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 410 | 205 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 410 | 205 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1000 | 500 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 410 | 205 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 410 | 205 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 410 | 205 |
| 2-Chlorophenol | | | | | | 0 / 3 | 410 | 205 |
| 2-Methylnaphthalene | 12 | J | 20 | J | SD-02-02-ME | 2 / 5 | 1 - 410 | 129 |
| 2-Methylphenol | | | | | | 0 / 3 | 410 | 205 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1000 | 500 |
| 2-Nitrophenol | | | | | | 0 / 3 | 410 | 205 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 410 | 205 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1000 | 500 |

**TABLE 2-61**
**SEDIMENT DATA SUMMARY - STATION 2**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1000 | 500 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 410 | 205 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 410 | 205 |
| 4-Chloroaniline | | | | | | 0 / 3 | 410 | 205 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 410 | 205 |
| 4-Methylphenol | | | | | | 0 / 3 | 410 | 205 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1000 | 500 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1000 | 500 |
| Acenaphthene | 11 | J | 30 | J | SD-02-02-ME | 2 / 5 | 1 - 410 | 131 |
| Acenaphthylene | 22 | J | 57 | J | SD-02-02-ME | 2 / 5 | 1 - 410 | 139 |
| Anthracene | 62 | J | 140 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 137 |
| Benzo(a)anthracene | 168 | J | 1500 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 534 |
| Benzo(a)pyrene | 190 | J | 1400 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 524 |
| Benzo(b)fluoranthene | 180 | J | 1700 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 602 |
| Benzo(g,h,i)perylene | 155 | J | 640 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 307 |
| Benzo(k)fluoranthene | 160 | J | 710 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 324 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 410 | 205 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 410 | 205 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 410 | 205 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 410 | 205 |
| Carbazole | | | | | | 0 / 3 | 410 | 205 |
| Chrysene | 275 | J | 1400 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 549 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 410 | 205 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 410 | 205 |
| Dibenz(a,h)anthracene | 69 | J | 150 | | SD-02-02-ME | 2 / 5 | 2 - 410 | 167 |
| Dibenzofuran | | | | | | 0 / 3 | 410 | 205 |
| Diethylphthalate | | | | | | 0 / 3 | 410 | 205 |
| Dimethylphthalate | | | | | | 0 / 3 | 410 | 205 |
| Fluoranthene | 315 | J | 3000 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 985 |
| Fluorene | 44 | J | 97 | | SD-02-02-ME | 2 / 5 | 67 - 410 | 151 |
| Hexachlorobenzene | | | | | | 0 / 3 | 410 | 205 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 410 | 205 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 410 | 205 |
| Hexachloroethane | | | | | | 0 / 3 | 410 | 205 |
| Indeno(1,2,3-cd)pyrene | 130.5 | J | 860 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 364 |
| Isophorone | | | | | | 0 / 3 | 410 | 205 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 410 | 205 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 410 | 205 |
| Naphthalene | 13 | J | 24 | J | SD-02-02-ME | 2 / 5 | 67 - 410 | 130 |
| Nitrobenzene | | | | | | 0 / 3 | 410 | 205 |
| Pentachlorophenol | | | | | | 0 / 3 | 1000 | 500 |
| Phenanthrene | 210 | J | 970 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 396 |
| Phenol | | | | | | 0 / 3 | 410 | 205 |
| Pyrene | 420 | J | 2500 | | SD-02-02-ME | 3 / 5 | 67 - 410 | 886 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.32 - 0.33 | 0.16 |
| 4,4'-DDD | 3.875 | J | 25 | J | SD-02-02-ME | 3 / 5 | 0.32 - 4.1 | 11 |
| 4,4'-DDE | 10.35 | J | 30 | | SD-02-02-ME | 3 / 5 | 0.32 - 4.1 | 14 |
| 4,4'-DDT | 1.8 | J | 2.4 | J | SD-02-02-ME | 2 / 5 | 0.32 - 4.1 | 2.1 |
| Aldrin | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| alpha-BHC | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| alpha-Chlordane | 11 | J | 16 | | SD-02-02-ME | 2 / 5 | 0.16 - 2.1 | 6.0 |
| Aroclor 1016 | | | | | | 0 / 5 | 3.2 - 41 | 13 |
| Aroclor 1221 | | | | | | 0 / 5 | 6.4 - 84 | 26 |
| Aroclor 1232 | | | | | | 0 / 5 | 3.2 - 41 | 13 |
| Aroclor 1242 | | | | | | 0 / 5 | 3.2 - 41 | 13 |
| Aroclor 1248 | 160 | J | 180 | J | SD-02-02-ME | 2 / 5 | 3.2 - 41 | 80 |
| Aroclor 1254 | | | | | | 0 / 5 | 3.2 - 41 | 13 |
| Aroclor 1260 | 140 | | 170 | | SD-02-02-ME | 2 / 5 | 3.2 - 41 | 74 |
| beta-BHC | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |

**TABLE 2-61**
**SEDIMENT DATA SUMMARY - STATION 2**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 1.3 | J | 1.3 | J | SD-02-01-ME | 1 / 5 | 0.16 - 2.1 | 0.91 |
| Dieldrin | 0.45 | J | 0.47 | | SD-02-02-ME | 2 / 5 | 0.32 - 4.1 | 1.4 |
| Endosulfan I | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| Endosulfan II | 0.21 | J | 0.28 | | SD-02-02-ME | 2 / 5 | 0.32 - 4.1 | 1.3 |
| Endosulfan Sulfate | 0.47 | J | 0.47 | J | SD-02-01-ME | 1 / 5 | 0.32 - 4.1 | 1.4 |
| Endrin | 1.3 | J | 1.9 | | SD-02-02-ME | 2 / 5 | 0.32 - 4.1 | 1.9 |
| Endrin Aldehyde | 1.6 | J | 1.9 | J | SD-02-02-ME | 2 / 5 | 0.32 - 4.1 | 1.9 |
| Endrin Ketone | | | | | | 0 / 5 | 0.32 - 4.1 | 1.3 |
| gamma-BHC (Lindane) | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| gamma-Chlordane | 8 | J | 11 | J | SD-02-02-ME | 2 / 5 | 0.16 - 2.1 | 4.4 |
| Heptachlor | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| Heptachlor Epoxide | | | | | | 0 / 5 | 0.16 - 2.1 | 0.66 |
| Methoxychlor | | | | | | 0 / 5 | 1.6 - 21 | 6.6 |
| Toxaphene | | | | | | 0 / 5 | 16 - 210 | 66 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3220 | | 11200 | J | SD-02-02-ME | 5 / 5 | 3.5 | 6382 |
| Antimony | 0.325 | J | 2.1 | J | SD-02-02-ME | 4 / 5 | 0.067 - 0.42 | 1.0 |
| Arsenic | 3.6 | | 105 | | SD-02-02-ME | 5 / 5 | 0.22 | 36 |
| Barium | 14 | | 81.2 | | SD-02-02-ME | 5 / 5 | 0.018 | 41 |
| Beryllium | 0.47 | J | 0.91 | J | SD-02-02-ME | 2 / 5 | 0.027 - 0.14 | 0.31 |
| Cadmium | 0.23 | | 16.1 | | SD-02-02-ME | 4 / 5 | 0.035 - 0.35 | 4.1 |
| Calcium | 739 | | 4600 | | SD-02-02-ME | 5 / 5 | 1.6 | 2137 |
| Chromium | 7.5 | | 190 | J | SD-02-02-ME | 5 / 5 | 0.055 | 68 |
| Cobalt | 4 | | 33 | J | SD-02-02-ME | 5 / 5 | 0.37 - 0.38 | 13 |
| Copper | 10.3 | | 381 | | SD-02-02-ME | 5 / 5 | 0.082 | 112 |
| Cyanide | | | | | | 0 / 3 | 0.59 - 0.68 | 0.31 |
| Iron | 5200 | | 26000 | J | SD-02-02-ME | 5 / 5 | 0.57 | 13073 |
| Lead | 5.7 | J | 449 | J | SD-02-02-ME | 5 / 5 | 0.26 - 0.27 | 212 |
| Magnesium | 1560 | | 2650 | | SD-02-02-FW | 5 / 5 | 3.5 | 2263 |
| Manganese | 70.4 | | 390 | | SD-02-02-ME | 5 / 5 | 0.018 | 175 |
| Mercury | 0.063 | | 1.1 | | SD-02-02-ME | 3 / 5 | 0.005 - 0.031 | 0.31 |
| Nickel | 6.2 | | 31 | J | SD-02-02-ME | 5 / 5 | 0.15 | 15 |
| Potassium | 390 | J | 862 | J | SD-02-02-FW | 5 / 5 | 2.7 | 645 |
| Selenium | 1.6 | J | 2 | J | SD-02-02-ME | 2 / 5 | 0.053 - 0.67 | 0.88 |
| Silver | 0.4 | J | 0.91 | J | SD-02-02-ME | 2 / 5 | 0.01 - 0.33 | 0.34 |
| Sodium | 197 | | 382 | | SD-02-02-ME | 2 / 5 | 0.22 - 57.7 | 130 |
| Thallium | 0.469995 | J | 0.82 | | SD-02-02-FW | 2 / 5 | 0.038 - 0.78 | 0.44 |
| Vanadium | 9.7 | | 46.1 | | SD-02-02-ME | 5 / 5 | 0.073 | 24 |
| Zinc | 34.8 | | 5170 | J | SD-02-02-ME | 5 / 5 | 0.16 | 1307 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 3.7 | J | 3.7 | J | SD-02-02-ME | 1 / 2 | 3.745 | 2.8 |
| Cadmium | 0.89 | | 17 | J | SD-02-02-ME | 2 / 5 | 0.1 - 5.6 | 4.2 |
| Copper | | | | | | 0 / 5 | 3.175 - 85 | 12 |
| Lead | 7.4 | | 390 | J | SD-02-02-ME | 5 / 5 | N/A | 164 |
| Mercury | 0.020 | | 0.020 | | SD-02-03-FW | 1 / 5 | 0.003 - 10.03 | 2.0 |
| Nickel | 8.2 | J | 29 | J | SD-02-02-ME | 2 / 5 | 2.3 - 38.4 | 14 |
| SEM/AVS Ratio | 0.091 | | 17 | | SD-02-01-FW | 5 / 5 | N/A | 3.7 |
| Sulfide | 20 | J | 4141 | | SD-02-02-ME | 5 / 5 | N/A | 1191 |
| Zinc | 26 | | 2419 | J | SD-02-02-ME | 5 / 5 | N/A | 716 |
| Total Combustible Organics (mg/Kg) | 125000 | J | 160000 | J | SD-02-02-ME | 2 / 2 | 2000 | 142500 |
| Total Organic Carbon (mg/Kg) | 2690 | | 9420 | | SD-02-02-FW | 3 / 3 | N/A | 6212 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-62
## SEDIMENT DATA SUMMARY - STATION 3
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 18 | 9.0 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 12 - 132 | 23 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 12 - 44 | 12 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 12 - 44 | 12 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 12 - 132 | 23 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 12 - 132 | 23 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 12 - 132 | 23 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| 2-Butanone | 70 | | 70 | | SD-03-02-FW | 1 / 3 | 12 | 27 |
| 2-Hexanone | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Acetone | | | | | | 0 / 3 | 12 - 310 | 59 |
| Benzene | 9 | J | 9 | J | SD-03-02-ME | 1 / 4 | 12 - 24 | 8.3 |
| Bromodichloromethane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Bromoform | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Bromomethane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Carbon Disulfide | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Chlorobenzene | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Chloroethane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Chloroform | | | | | | 0 / 4 | 12 - 44 | 12 |
| Chloromethane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| cis-1,2-Dichloroethene | 28 | J | 28 | J | SD-03-02-ME | 1 / 1 | 44 | 28 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Dibromochloromethane | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Ethylbenzene | | | | | | 0 / 4 | 12 - 24 | 8.3 |
| Methylene chloride | | | | | | 0 / 4 | 12 - 132 | 23 |
| Naphthalene | | | | | | 0 / 1 | 132 | 66 |
| Styrene | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| Tetrachloroethene | | | | | | 0 / 4 | 12 - 132 | 23 |
| Toluene | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 132 | 66 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 24 | 8 |
| Trichloroethene | | | | | | 0 / 4 | 12 - 44 | 12 |
| Vinyl chloride | | | | | | 0 / 4 | 12 - 132 | 23 |
| Xylene, m/p- | | | | | | 0 / 1 | 44 | 22 |
| Xylene, o- | | | | | | 0 / 1 | 44 | 22 |
| Xylenes (total) | | | | | | 0 / 3 | 12 - 24 | 8.0 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 390 - 800 | 265 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 990 - 2000 | 665 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 990 - 2000 | 665 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2-Chlorophenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2-Methylnaphthalene | 16 | J | 16 | J | SD-03-02-ME | 1 / 4 | 67 - 800 | 203 |
| 2-Methylphenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 2-Nitroaniline | | | | | | 0 / 3 | 990 - 2000 | 665 |
| 2-Nitrophenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 390 - 800 | 265 |
| 3-Nitroaniline | | | | | | 0 / 3 | 990 - 2000 | 665 |

**TABLE 2-62**
**SEDIMENT DATA SUMMARY - STATION 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 990 - 2000 | 665 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 390 - 800 | 265 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 4-Chloroaniline | | | | | | 0 / 3 | 390 - 800 | 265 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 390 - 800 | 265 |
| 4-Methylphenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| 4-Nitroaniline | | | | | | 0 / 3 | 990 - 2000 | 665 |
| 4-Nitrophenol | | | | | | 0 / 3 | 990 - 2000 | 665 |
| Acenaphthene | 45 | J | 45 | J | SD-03-02-ME | 1 / 4 | 67 - 800 | 210 |
| Acenaphthylene | 39 | J | 39 | J | SD-03-02-ME | 1 / 4 | 67 - 800 | 209 |
| Anthracene | 81 | J | 120 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 149 |
| Benzo(a)anthracene | 320 | J | 1300 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 504 |
| Benzo(a)pyrene | 420 | J | 1000 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 454 |
| Benzo(b)fluoranthene | 1400 | | 1400 | | SD-03-02-ME | 1 / 4 | 67 - 800 | 549 |
| Benzo(g,h,i)perylene | 350 | J | 570 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 329 |
| Benzo(k)fluoranthene | 640 | | 640 | | SD-03-02-ME | 1 / 4 | 67 - 800 | 359 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 390 - 800 | 265 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 390 - 800 | 265 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Carbazole | | | | | | 0 / 3 | 390 - 800 | 265 |
| Chrysene | 590 | J | 1300 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 571 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Dibenz(a,h)anthracene | 110 | | 110 | | SD-03-02-ME | 1 / 4 | 67 - 800 | 226 |
| Dibenzofuran | | | | | | 0 / 3 | 390 - 800 | 265 |
| Diethylphthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Dimethylphthalate | | | | | | 0 / 3 | 390 - 800 | 265 |
| Fluoranthene | 740 | J | 2600 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 934 |
| Fluorene | 150 | | 150 | | SD-03-02-ME | 1 / 4 | 67 - 800 | 236 |
| Hexachlorobenzene | | | | | | 0 / 3 | 390 - 800 | 265 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 390 - 800 | 265 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 390 - 800 | 265 |
| Hexachloroethane | | | | | | 0 / 3 | 390 - 800 | 265 |
| Indeno(1,2,3-cd)pyrene | 330 | J | 620 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 336 |
| Isophorone | | | | | | 0 / 3 | 390 - 800 | 265 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 390 - 800 | 265 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 390 - 800 | 265 |
| Naphthalene | 18 | J | 18 | J | SD-03-02-ME | 1 / 4 | 67 - 800 | 203 |
| Nitrobenzene | | | | | | 0 / 3 | 390 - 800 | 265 |
| Pentachlorophenol | | | | | | 0 / 3 | 990 - 2000 | 665 |
| Phenanthrene | 370 | J | 1000 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 441 |
| Phenol | | | | | | 0 / 3 | 390 - 800 | 265 |
| Pyrene | 880 | J | 2600 | | SD-03-02-ME | 2 / 4 | 67 - 400 | 969 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 3.2 | 1.6 |
| 4,4'-DDD | 21 | | 94 | | SD-03-02-ME | 2 / 4 | 3.2 - 4 | 30 |
| 4,4'-DDE | 18 | J | 29 | | SD-03-02-ME | 2 / 4 | 3.2 - 4 | 13 |
| 4,4'-DDT | 5.8 | J | 5.8 | J | SD-03-02-ME | 1 / 4 | 3.2 - 8 | 3.4 |
| Aldrin | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| alpha-BHC | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| alpha-Chlordane | 5.2 | J | 11 | J | SD-03-02-ME | 2 / 4 | 1.6 - 2.1 | 4.6 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.2 - 80 | 20 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.3 - 160 | 41 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.2 - 80 | 20 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.2 - 80 | 20 |
| Aroclor 1248 | 160 | J | 160 | J | SD-03-02-ME | 1 / 4 | 3.2 - 80 | 60 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.2 - 80 | 20 |
| Aroclor 1260 | 110 | | 110 | | SD-03-02-ME | 1 / 4 | 3.2 - 80 | 47 |
| beta-BHC | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |

**TABLE 2-62**
**SEDIMENT DATA SUMMARY - STATION 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 2.3 | J | 2.3 | J | SD-03-02-ME | 1 / 4 | 1.6 - 4.1 | 1.6 |
| Dieldrin | | | | | | 0 / 4 | 3.2 - 8 | 2.4 |
| Endosulfan I | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| Endosulfan II | | | | | | 0 / 4 | 3.2 - 8 | 2.4 |
| Endosulfan Sulfate | | | | | | 0 / 4 | 3.2 - 8 | 2.4 |
| Endrin | | | | | | 0 / 4 | 3.2 - 8 | 2.4 |
| Endrin Aldehyde | 8.7 | J | 8.7 | J | SD-03-02-FW | 1 / 4 | 3.2 - 4 | 3.6 |
| Endrin Ketone | | | | | | 0 / 4 | 3.2 - 8 | 2.4 |
| gamma-BHC (Lindane) | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| gamma-Chlordane | 9.3 | J | 9.3 | J | SD-03-02-ME | 1 / 4 | 1.6 - 4.1 | 3.4 |
| Heptachlor | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| Heptachlor Epoxide | | | | | | 0 / 4 | 1.6 - 4.1 | 1.2 |
| Methoxychlor | | | | | | 0 / 4 | 16 - 41 | 12 |
| Toxaphene | | | | | | 0 / 4 | 160 - 410 | 123 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2730 | | 6720 | J | SD-03-02-ME | 4 / 4 | 3.5 | 4760 |
| Antimony | 0.41 | J | 1.7 | J | SD-03-02-ME | 3 / 4 | 0.27 - 0.55 | 0.92 |
| Arsenic | 5.4 | | 86.5 | | SD-03-02-ME | 4 / 4 | 0.22 | 35 |
| Barium | 9 | | 84.6 | | SD-03-02-ME | 4 / 4 | 0.018 | 34 |
| Beryllium | 0.42 | | 0.59 | J | SD-03-02-ME | 2 / 4 | 0.028 - 0.15 | 0.29 |
| Cadmium | 3.3 | | 5.2 | | SD-03-02-ME | 2 / 4 | 0.028 - 0.35 | 2.1 |
| Calcium | 1380 | | 4410 | | SD-03-02-ME | 4 / 4 | 1.6 | 2828 |
| Chromium | 9.6 | | 200 | J | SD-03-02-ME | 4 / 4 | 0.055 | 75 |
| Cobalt | 4 | | 21.4 | J | SD-03-02-ME | 4 / 4 | 0.38 | 11 |
| Copper | 6.4 | | 171 | | SD-03-02-ME | 4 / 4 | 0.083 | 75 |
| Cyanide | | | | | | 0 / 3 | 0.63 - 1.5 | 0.46 |
| Iron | 4450 | | 21900 | J | SD-03-02-ME | 4 / 4 | 0.57 | 11005 |
| Lead | 10.1 | | 345 | J | SD-03-02-ME | 4 / 4 | 0.27 | 125 |
| Magnesium | 1330 | | 1790 | | SD-03-02-ME | 4 / 4 | 3.5 | 1645 |
| Manganese | 69.1 | | 503 | | SD-03-02-ME | 4 / 4 | 0.018 | 234 |
| Mercury | 0.06 | J | 0.71 | | SD-03-02-ME | 3 / 4 | 0.0051 - 0.04 | 0.26 |
| Nickel | 4.9 | | 26.7 | J | SD-03-02-ME | 4 / 4 | 0.15 | 12 |
| Potassium | 519 | J | 630 | J | SD-03-02-FW | 4 / 4 | 2.7 | 571 |
| Selenium | 4.2 | J | 4.2 | J | SD-03-02-ME | 1 / 4 | 0.053 - 2 | 1.4 |
| Silver | 0.69 | J | 0.69 | J | SD-03-02-ME | 1 / 4 | 0.01 - 0.54 | 0.31 |
| Sodium | 279 | | 321 | | SD-03-02-ME | 2 / 4 | 0.22 - 59.1 | 162 |
| Thallium | | | | | | 0 / 4 | 0.039 - 1.3 | 0.38 |
| Vanadium | 7.9 | | 49.2 | | SD-03-02-ME | 4 / 4 | 0.074 | 22 |
| Zinc | 60.4 | | 1420 | J | SD-03-02-ME | 4 / 4 | 0.17 | 725 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 1 | 3.745 | 1.9 |
| Cadmium | 4.4 | | 4.4 | | SD-03-02-FW | 1 / 4 | 0.24 - 8.96 | 2.3 |
| Copper | | | | | | 0 / 4 | 3.175 - 62.3 | 10 |
| Lead | 12 | | 350 | J | SD-03-02-ME | 4 / 4 | N/A | 124 |
| Mercury | 0.020 | | 0.020 | | SD-03-01-FW | 1 / 4 | 0.003 - 10.03 | 1.3 |
| Nickel | 58 | J | 58 | J | SD-03-02-ME | 1 / 4 | 7.2 - 67.4 | 25 |
| SEM/AVS Ratio | 0.32 | | 0.61 | | SD-03-03-FW | 4 / 4 | N/A | 0.43 |
| Sulfide | 56 | J | 2825 | | SD-03-02-ME | 4 / 4 | N/A | 1250 |
| Zinc | 66 | | 1648 | J | SD-03-02-ME | 4 / 4 | N/A | 826 |
| Total Combustible Organics (mg/Kg) | 195000 | J | 195000 | J | SD-03-02-ME | 1 / 1 | 2000 | 195000 |
| Total Organic Carbon (mg/Kg) | 602 | | 55000 | | SD-03-02-FW | 3 / 3 | N/A | 18924 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-63**
**SEDIMENT DATA SUMMARY - STATION 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 24 - 29 | 13 |
| 1,1,1-Trichloroethane | | | | | | 0 / 6 | 15 - 221 | 43 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 5 | 15 - 74 | 20 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 50 | 25 |
| 1,1,2-Trichloroethane | | | | | | 0 / 5 | 15 - 74 | 20 |
| 1,1-Dichloroethane | | | | | | 0 / 5 | 15 - 221 | 47 |
| 1,1-Dichloroethene | | | | | | 0 / 5 | 15 - 221 | 47 |
| 1,2-Dichloroethane | | | | | | 0 / 5 | 15 - 221 | 47 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 15 - 26 | 11 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 15 - 26 | 11 |
| 2-Butanone | 82 | J | 99 | J | SD-AO-03-TR | 2 / 4 | 15 - 50 | 50 |
| 2-Hexanone | | | | | | 0 / 3 | 15 - 26 | 11 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 15 - 26 | 11 |
| Acetone | 340 | J | 340 | J | SD-AO-03-TR | 1 / 4 | 48 - 340 | 142 |
| Benzene | | | | | | 0 / 5 | 15 - 32 | 12 |
| Bromodichloromethane | | | | | | 0 / 3 | 15 - 26 | 11 |
| Bromoform | | | | | | 0 / 3 | 15 - 26 | 11 |
| Bromomethane | | | | | | 0 / 3 | 15 - 26 | 11 |
| Carbon Disulfide | | | | | | 0 / 3 | 15 - 26 | 11 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 15 - 26 | 11 |
| Chlorobenzene | | | | | | 0 / 3 | 15 - 26 | 11 |
| Chloroethane | | | | | | 0 / 3 | 15 - 26 | 11 |
| Chloroform | | | | | | 0 / 5 | 15 - 224 | 35 |
| Chloromethane | | | | | | 0 / 3 | 15 - 26 | 11 |
| cis-1,2-Dichloroethene | | | | | | 0 / 2 | 60 - 74 | 34 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 15 - 26 | 11 |
| Dibromochloromethane | | | | | | 0 / 3 | 15 - 26 | 11 |
| Ethylbenzene | | | | | | 0 / 5 | 15 - 29 | 12 |
| Methyl Acetate | 140 | J | 140 | J | SD-AO-03-TR | 1 / 1 | 50 | 140 |
| Methylene Chloride | | | | | | 0 / 6 | 23 - 221 | 45 |
| Naphthalene | | | | | | 0 / 2 | 180 - 221 | 100 |
| Styrene | | | | | | 0 / 3 | 15 - 26 | 11 |
| Tetrachloroethene | | | | | | 0 / 5 | 15 - 221 | 47 |
| Toluene | 17 | J | 17 | J | SD-AO-03-TR | 1 / 4 | 15 - 50 | 12 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 180 - 221 | 100 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 15 - 26 | 11 |
| Trichloroethene | | | | | | 0 / 5 | 15 - 74 | 20 |
| Vinyl Chloride | | | | | | 0 / 5 | 15 - 221 | 47 |
| Xylene, m/p- | | | | | | 0 / 2 | 60 - 74 | 34 |
| Xylene, o- | | | | | | 0 / 2 | 60 - 74 | 34 |
| Xylenes (total) | | | | | | 0 / 3 | 15 - 26 | 11 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 350 | 175 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 510 - 870 | 355 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 510 - 870 | 355 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 510 - 870 | 355 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 510 - 870 | 355 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 4 | 870 - 2200 | 784 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2,4-Dichlorophenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2,4-Dimethylphenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2,4-Dinitrophenol | | | | | | 0 / 4 | 870 - 2200 | 784 |
| 2,4-Dinitrotoluene | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2,6-Dinitrotoluene | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2-Chloronaphthalene | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2-Chlorophenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2-Methylnaphthalene | 41 | J | 70 | | SD-04-03-ME | 2 / 6 | 67 - 870 | 225 |
| 2-Methylphenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 2-Nitroaniline | | | | | | 0 / 4 | 870 - 2200 | 784 |
| 2-Nitrophenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 4 | 350 - 870 | 310 |

**TABLE 2-63**
**SEDIMENT DATA SUMMARY - STATION 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3+4-Methylphenols | | | | | | 0 / 1 | 350 | 175 |
| 3-Nitroaniline | | | | | | 0 / 4 | 350 - 2200 | 719 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 4 | 870 - 2200 | 784 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 4 | 350 - 870 | 310 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| 4-Chloroaniline | | | | | | 0 / 4 | 350 - 870 | 310 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 4 | 350 - 870 | 310 |
| 4-Methylphenol | | | | | | 0 / 3 | 510 - 870 | 355 |
| 4-Nitroaniline | | | | | | 0 / 4 | 870 - 2200 | 784 |
| 4-Nitrophenol | | | | | | 0 / 4 | 870 - 2200 | 784 |
| Acenaphthene | 110 | J | 340 | J | SD-04-03-FW | 4 / 6 | 67 - 510 | 198 |
| Acenaphthylene | 160 | | 350 | J | SD-04-03-FW | 3 / 6 | 67 - 750 | 248 |
| Acetophenone | | | | | | 0 / 1 | 350 | 175 |
| Anthracene | 180 | J | 960 | J | SD-04-03-FW | 5 / 6 | 67 - 350 | 489 |
| Atrazine | | | | | | 0 / 1 | 350 | 175 |
| Benzaldehyde | | | | | | 0 / 1 | 350 | 175 |
| Benzo(a)anthracene | 240 | J | 3900 | J | SD-04-03-FW | 6 / 6 | 67 - 350 | 2175 |
| Benzo(a)pyrene | 290 | J | 4200 | J | SD-04-03-FW | 6 / 6 | 67 - 350 | 2448 |
| Benzo(b)fluoranthene | 520 | | 6000 | | SD-04-03-ME | 6 / 6 | 67 - 350 | 3137 |
| Benzo(g,h,i)perylene | 460 | J | 2300 | J | SD-04-03-FW | 5 / 6 | 67 - 350 | 1356 |
| Benzo(k)fluoranthene | 490 | J | 3800 | | SD-04-03-ME | 5 / 6 | 67 - 350 | 1994 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 4 | 350 - 870 | 310 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 4 | 350 - 870 | 310 |
| bis(2-Ethylhexyl)phthalate | 230 | J | 230 | J | SD-AO-03-TR | 1 / 4 | 350 - 930 | 331 |
| Butylbenzylphthalate | | | | | | 0 / 4 | 350 - 870 | 310 |
| Caprolactam | | | | | | 0 / 1 | 350 | 175 |
| Carbazole | 130 | J | 400 | J | SD-04-03-FW | 2 / 4 | 350 - 510 | 240 |
| Chrysene | 290 | J | 5900 | J | SD-04-03-FW | 6 / 6 | 67 - 350 | 2857 |
| Dibenz(a,h)anthracene | 150 | J | 1100 | J | SD-04-03-FW | 5 / 6 | 67 - 350 | 588 |
| Dibenzofuran | 170 | J | 170 | J | SD-04-03-FW | 1 / 4 | 350 - 750 | 244 |
| Diethylphthalate | | | | | | 0 / 4 | 350 - 870 | 310 |
| Dimethylphthalate | | | | | | 0 / 4 | 350 - 870 | 310 |
| Di-n-butylphthalate | | | | | | 0 / 4 | 350 - 870 | 310 |
| Di-n-octylphthalate | | | | | | 0 / 4 | 350 - 870 | 310 |
| Fluoranthene | 540 | | 8500 | | SD-04-03-ME | 6 / 6 | 67 - 350 | 5007 |
| Fluorene | 180 | J | 490 | | SD-04-03-ME | 4 / 6 | 67 - 510 | 310 |
| Hexachlorobenzene | | | | | | 0 / 4 | 350 - 870 | 310 |
| Hexachlorobutadiene sv | | | | | | 0 / 4 | 350 - 870 | 310 |
| Hexachlorocyclopentadiene | | | | | | 0 / 4 | 350 - 870 | 310 |
| Hexachloroethane | | | | | | 0 / 4 | 350 - 870 | 310 |
| Indeno(1,2,3-cd)pyrene | 380 | J | 2600 | | SD-04-02-ME | 5 / 6 | 67 - 350 | 1476 |
| Isophorone | | | | | | 0 / 4 | 350 - 870 | 310 |
| Naphthalene | 56 | J | 160 | J | SD-04-03-FW | 3 / 6 | 67 - 750 | 186 |
| Nitrobenzene | | | | | | 0 / 4 | 350 - 870 | 310 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 4 | 350 - 870 | 310 |
| N-nitrosodiphenylamine | | | | | | 0 / 4 | 350 - 870 | 310 |
| Pentachlorophenol | | | | | | 0 / 4 | 870 - 2200 | 784 |
| Phenanthrene | 200 | J | 4600 | J | SD-04-03-FW | 6 / 6 | 67 - 350 | 2367 |
| Phenol | | | | | | 0 / 4 | 350 - 870 | 310 |
| Pyrene | 500 | | 7000 | J | SD-04-03-FW | 6 / 6 | 67 - 350 | 4233 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.33 - 3.9 | 1.1 |
| 4,4'-DDD | 37 | J | 160 | | SD-04-02-ME | 3 / 6 | 0.33 - 37 | 62 |
| 4,4'-DDE | 2.4 | J | 91 | | SD-04-02-ME | 4 / 6 | 0.33 - 37 | 33 |
| 4,4'-DDT | 4.4 | J | 21 | J | SD-04-02-ME | 2 / 5 | 0.33 - 37 | 12 |
| Aldrin | 0.3 | J | 0.3 | J | SD-04-03-ME | 1 / 5 | 0.16 - 19 | 3.6 |
| alpha-BHC | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| alpha-Chlordane | 21 | | 29 | J | SD-04-03-ME | 2 / 5 | 0.16 - 19 | 13 |
| Aroclor 1016 | | | | | | 0 / 5 | 2.6 - 370 | 65 |
| Aroclor 1221 | | | | | | 0 / 5 | 5.2 - 760 | 135 |
| Aroclor 1232 | | | | | | 0 / 5 | 2.6 - 370 | 65 |

**TABLE 2-63**
**SEDIMENT DATA SUMMARY - STATION 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1242 | | | | | | 0 / 5 | 2.6 - 370 | 65 |
| Aroclor 1248 | 44 | J | 200 | J | SD-04-02-ME | 2 / 5 | 2.6 - 370 | 114 |
| Aroclor 1254 | | | | | | 0 / 5 | 2.6 - 370 | 65 |
| Aroclor 1260 | 94 | | 160 | | SD-04-03-ME | 2 / 5 | 2.6 - 370 | 116 |
| beta-BHC | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| delta-BHC | 1.3 | J | 1.3 | J | SD-04-03-ME | 1 / 5 | 0.16 - 19 | 3.8 |
| Dieldrin | 0.73 | J | 0.73 | J | SD-04-03-ME | 1 / 5 | 0.33 - 37 | 7.0 |
| Endosulfan I | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| Endosulfan II | 0.49 | | 0.49 | | SD-04-03-ME | 1 / 5 | 0.33 - 37 | 7.0 |
| Endosulfan sulfate | 0.33 | J | 0.33 | J | SD-04-03-ME | 1 / 5 | 0.33 - 37 | 6.9 |
| Endrin | 3.2 | J | 5 | J | SD-04-02-ME | 2 / 5 | 0.33 - 37 | 8.1 |
| Endrin aldehyde | 4.9 | J | 11 | J | SD-04-02-ME | 2 / 5 | 0.33 - 37 | 10 |
| Endrin ketone | | | | | | 0 / 5 | 0.33 - 37 | 6.9 |
| gamma-BHC (Lindane) | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| gamma-Chlordane | 16 | J | 22 | J | SD-04-03-ME | 2 / 5 | 0.16 - 19 | 11 |
| Heptachlor | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| Heptachlor epoxide | | | | | | 0 / 5 | 0.16 - 19 | 3.5 |
| Methoxychlor | | | | | | 0 / 5 | 1.6 - 190 | 35 |
| Toxaphene | | | | | | 0 / 5 | 16 - 1900 | 355 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3190 | | 21100 | | SD-AO-05 | 11 / 11 | 3.4632 - 370 | 15529 |
| Antimony | 1 | J | 11.1 | J | SD-04-02-ME | 5 / 6 | 0.27 - 103 | 3.7 |
| Arsenic | 16.5 | | 1570 | | SD-04-02-ME | 11 / 11 | 0.22 - 406 | 233 |
| Barium | 11.6 | | 215 | | SD-AO-05 | 11 / 11 | 0.018 - 35.9 | 138 |
| Beryllium | 0.4 | | 1.7 | J | SD-04-02-ME | 10 / 11 | 0.028 - 4.75 | 0.94 |
| Cadmium | 0.8 | | 19.1 | | SD-04-02-ME | 11 / 11 | 0.1385 - 22.7 | 9.3 |
| Calcium | 1300 | | 9840 | | SD-AO-03-TR | 11 / 11 | 1.7 - 677 | 6152 |
| Chromium | 27 | | 3000 | J | SD-04-02-ME | 11 / 11 | 0.055 - 63.7 | 505 |
| Cobalt | 6.8 | | 42.7 | J | SD-04-02-ME | 11 / 11 | 0.3463 - 100 | 25 |
| Copper | 54.8 | | 1080 | | SD-04-02-ME | 11 / 11 | 0.083 - 45 | 415 |
| Cyanide | 0.52 | J | 1.8 | | SD-AO-03 | 5 / 8 | 0.2296 - 1.6 | 0.98 |
| Iron | 6650 | | 86200 | J | SD-04-02-ME | 11 / 11 | 0.57 - 2406 | 38346 |
| Lead | 75.7 | | 662 | | SD-AO-03 | 11 / 11 | 0.2078 - 75 | 474 |
| Magnesium | 1170 | | 6495 | | SD-AO-02 | 11 / 11 | 3.5 - 855 | 4365 |
| Manganese | 51.9 | | 2370 | | SD-AO-05 | 11 / 11 | 0.018 - 12.7 | 925 |
| Mercury | 0.06 | J | 13.6 | | SD-04-02-ME | 11 / 11 | 0.0051 - 100 | 2.2 |
| Nickel | 5.8 | | 46.6 | | SD-AO-05 | 11 / 11 | 0.15 - 63 | 33 |
| Potassium | 476 | J | 1840 | J | SD-AO-03-TR | 9 / 11 | 2.7 - 4930 | 1170 |
| Selenium | 1.6 | J | 3.4 | J | SD-AO-05 | 7 / 11 | 0.053 - 498 | 1.8 |
| Silver | 0.38 | J | 0.91 | J | SD-04-03-ME | 6 / 11 | 0.01 - 41.7 | 0.44 |
| Sodium | 103 | | 837 | | SD-04-02-FW | 11 / 11 | 0.22 - 733 | 530 |
| Thallium | 0.6 | J | 1.6 | | SD-04-03-FW | 6 / 11 | 0.039 - 400 | 0.65 |
| Vanadium | 12.3 | | 84.1 | J | SD-AO-05 | 11 / 11 | 0.074 - 87 | 58 |
| Zinc | 415 | | 4330 | J | SD-04-02-ME | 11 / 11 | 0.17 - 75.9 | 2038 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 6.0 | J | 6.7 | J | SD-04-02-ME | 2 / 2 | N/A | 6.4 |
| Cadmium | 2.1 | | 7.5 | | SD-04-02-FW | 4 / 6 | 6.72 - 8.96 | 5.0 |
| Copper | 200 | J | 209 | | SD-AO-03-TR | 2 / 6 | 3.175 - 54.5 | 77 |
| Lead | 163 | | 466 | | SD-04-03-FW | 6 / 6 | N/A | 314 |
| Mercury | 0.11 | J | 0.11 | J | SD-AO-03-TR | 1 / 6 | 0.01 - 10.03 | 1.7 |
| Nickel | 14 | J | 101 | J | SD-04-02-FW | 5 / 6 | 48 | 46 |
| SEM/AVS Ratio | 0.30 | | 179 | | SD-AO-03-TR | 6 / 6 | N/A | 30 |
| Sulfide | 4.1 | J | 4077 | J | SD-04-02-FW | 6 / 6 | N/A | 1338 |
| Zinc | 689 | | 2310 | | SD-04-02-FW | 6 / 6 | N/A | 1286 |
| | | | | | | | | |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 1 | 9.878 | 4.9 |
| pH | 6.23 | | 6.23 | | SD-AO-02 | 1 / 1 | N/A | 6.2 |
| Redox Potential | -45 | | -45 | | SD-AO-02 | 1 / 1 | N/A | -45 |
| Sulfide | 2840 | J | 2840 | J | SD-AO-02 | 1 / 1 | 7.87 | 2840 |
| | | | | | | | | |
| Total Combustible Organics (mg/Kg) | 21500 | | 255000 | J | SD-04-03-ME | 5 / 5 | 2000 | 123460 |
| Total Organic Carbon (mg/Kg) | 210000 | | 210000 | | SD-AO-03-TR | 1 / 1 | 250 | 210000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-64
## SEDIMENT DATA SUMMARY - STATION 5
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 4 | 2.0 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 9 - 20 | 6.6 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 9 - 20 | 6.6 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| 1,2-Dichloroethene(total) | 9 | J | 9 | J | SD-05-03-FW | 1 / 3 | 12 | 7.0 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| 2-Butanone | 39 | J | 39 | J | SD-05-03-FW | 1 / 3 | 12 | 17 |
| 2-Hexanone | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Acetone | | | | | | 0 / 3 | 12 - 180 | 34 |
| Benzene | 6 | J | 6 | J | SD-05-03-ME | 1 / 4 | 4 - 20 | 7.0 |
| Bromodichloromethane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Bromoform | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Bromomethane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Carbon Disulfide | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Chlorobenzene | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Chloroethane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Chloroform | | | | | | 0 / 4 | 9 - 20 | 6.6 |
| Chloromethane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| cis-1,2-Dichloroethene | 7 | J | 7 | J | SD-05-03-ME | 1 / 1 | 9 | 7.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Dibromochloromethane | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Ethylbenzene | 5 | J | 5 | J | SD-05-03-ME | 1 / 4 | 4 - 20 | 6.8 |
| Methylene Chloride | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| Naphthalene | 17 | J | 17 | J | SD-05-03-ME | 1 / 1 | 28 | 17 |
| Styrene | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Tetrachloroethene | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| Toluene | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 28 | 14 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| Trichloroethene | 6 | J | 6 | J | SD-05-03-ME | 1 / 4 | 9 - 20 | 7.0 |
| Vinyl Chloride | | | | | | 0 / 4 | 12 - 28 | 9.0 |
| Xylene, m/p- | 10 | J | 10 | J | SD-05-03-ME | 1 / 1 | 9 | 10 |
| Xylene, o- | | | | | | 0 / 1 | 9 | 4.5 |
| Xylenes (total) | | | | | | 0 / 3 | 12 - 20 | 7.3 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 390 - 650 | 242 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 980 - 1600 | 597 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 980 - 1600 | 597 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2-Chlorophenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2-Methylnaphthalene | 55.5 | J | 55.5 | J | SD-05-03-ME | 1 / 4 | 67 - 650 | 195 |
| 2-Methylphenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 2-Nitroaniline | | | | | | 0 / 3 | 980 - 1600 | 597 |
| 2-Nitrophenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 390 - 650 | 242 |
| 3-Nitroaniline | | | | | | 0 / 3 | 980 - 1600 | 597 |

**TABLE 2-64**
**SEDIMENT DATA SUMMARY - STATION 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 980 - 1600 | 597 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 390 - 650 | 242 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 4-Chloroaniline | | | | | | 0 / 3 | 390 - 650 | 242 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 390 - 650 | 242 |
| 4-Methylphenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| 4-Nitroaniline | | | | | | 0 / 3 | 980 - 1600 | 597 |
| 4-Nitrophenol | | | | | | 0 / 3 | 980 - 1600 | 597 |
| Acenaphthene | 100 | J | 102 | J | SD-05-03-ME | 2 / 4 | 67 - 410 | 151 |
| Acenaphthylene | 36 | J | 250 | J | SD-05-03-FW | 2 / 4 | 67 - 410 | 172 |
| Anthracene | 245 | | 520 | J | SD-05-03-FW | 2 / 4 | 67 - 410 | 291 |
| Benzo(a)anthracene | 130 | J | 2300 | J | SD-05-03-FW | 4 / 4 | 67 | 899 |
| Benzo(a)pyrene | 130 | J | 2500 | J | SD-05-03-FW | 4 / 4 | 67 | 884 |
| Benzo(b)fluoranthene | 130 | J | 3000 | J | SD-05-03-FW | 3 / 4 | 67 - 390 | 1015 |
| Benzo(g,h,i)perylene | 120 | J | 1200 | J | SD-05-03-FW | 3 / 4 | 67 - 410 | 458 |
| Benzo(k)fluoranthene | 120 | J | 1900 | J | SD-05-03-FW | 3 / 4 | 67 - 390 | 665 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 390 - 650 | 242 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 390 - 650 | 242 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Carbazole | 220 | J | 220 | J | SD-05-03-FW | 1 / 3 | 390 - 410 | 207 |
| Chrysene | 160 | J | 2900 | J | SD-05-03-FW | 4 / 4 | 67 | 1054 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Dibenz(a,h)anthracene | 112.5 | | 112.5 | | SD-05-03-ME | 1 / 4 | 67 - 650 | 209 |
| Dibenzofuran | 87 | J | 87 | J | SD-05-03-FW | 1 / 3 | 390 - 410 | 162 |
| Diethylphthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Dimethylphthalate | | | | | | 0 / 3 | 390 - 650 | 242 |
| Fluoranthene | 260 | J | 4400 | J | SD-05-03-FW | 4 / 4 | 67 | 1813 |
| Fluorene | 225 | J | 230 | J | SD-05-03-FW | 2 / 4 | 67 - 410 | 214 |
| Hexachlorobenzene | | | | | | 0 / 3 | 390 - 650 | 242 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 390 - 650 | 242 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 390 - 650 | 242 |
| Hexachloroethane | | | | | | 0 / 3 | 390 - 650 | 242 |
| Indeno(1,2,3-cd)pyrene | 64 | J | 1200 | J | SD-05-03-FW | 4 / 4 | 67 | 430 |
| Isophorone | | | | | | 0 / 3 | 390 - 650 | 242 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 390 - 650 | 242 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 390 - 650 | 242 |
| Naphthalene | 34.5 | J | 83 | J | SD-05-03-FW | 2 / 4 | 67 - 410 | 129 |
| Nitrobenzene | | | | | | 0 / 3 | 390 - 650 | 242 |
| Pentachlorophenol | | | | | | 0 / 3 | 980 - 1600 | 597 |
| Phenanthrene | 110 | J | 2200 | J | SD-05-03-FW | 4 / 4 | 67 | 1063 |
| Phenol | | | | | | 0 / 3 | 390 - 650 | 242 |
| Pyrene | 250 | J | 4100 | J | SD-05-03-FW | 4 / 4 | 67 | 1690 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 3.3 | 1.7 |
| 4,4'-DDD | 180 | | 180 | | SD-05-03-ME | 1 / 2 | 3.3 - 21 | 95 |
| 4,4'-DDE | 35.5 | | 35.5 | | SD-05-03-ME | 1 / 2 | 3.3 - 21 | 23 |
| 4,4'-DDT | 9.25 | J | 9.25 | J | SD-05-03-ME | 1 / 2 | 3.3 - 21 | 10 |
| Aldrin | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| alpha-BHC | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| alpha-Chlordane | 13.05 | J | 13.05 | J | SD-05-03-ME | 1 / 2 | 1.7 - 11 | 9.3 |
| Aroclor 1016 | | | | | | 0 / 2 | 3.3 - 210 | 53 |
| Aroclor 1221 | | | | | | 0 / 2 | 6.6 - 420 | 107 |
| Aroclor 1232 | | | | | | 0 / 2 | 3.3 - 210 | 53 |
| Aroclor 1242 | | | | | | 0 / 2 | 3.3 - 210 | 53 |
| Aroclor 1248 | 120 | J | 120 | J | SD-05-03-ME | 1 / 2 | 3.3 - 210 | 113 |
| Aroclor 1254 | | | | | | 0 / 2 | 3.3 - 210 | 53 |
| Aroclor 1260 | 74.5 | | 74.5 | | SD-05-03-ME | 1 / 2 | 3.3 - 210 | 90 |
| beta-BHC | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |

**TABLE 2-64**
**SEDIMENT DATA SUMMARY - STATION 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 3.65 | J | 3.65 | J | SD-05-03-ME | 1 / 2 | 1.7 - 11 | 4.6 |
| Dieldrin | 2.925 | J | 2.925 | J | SD-05-03-ME | 1 / 2 | 3.3 - 21 | 6.7 |
| Endosulfan I | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| Endosulfan II | | | | | | 0 / 2 | 3.3 - 21 | 6.1 |
| Endosulfan sulfate | | | | | | 0 / 2 | 3.3 - 21 | 6.1 |
| Endrin | | | | | | 0 / 2 | 3.3 - 21 | 6.1 |
| Endrin aldehyde | | | | | | 0 / 2 | 3.3 - 21 | 6.1 |
| Endrin ketone | | | | | | 0 / 2 | 3.3 - 21 | 6.1 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| gamma-Chlordane | 11.65 | J | 11.65 | J | SD-05-03-ME | 1 / 2 | 1.7 - 11 | 8.6 |
| Heptachlor | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| Heptachlor epoxide | | | | | | 0 / 2 | 1.7 - 11 | 3.2 |
| Methoxychlor | | | | | | 0 / 2 | 17 - 110 | 32 |
| Toxaphene | | | | | | 0 / 2 | 170 - 1100 | 318 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4470 | | 6470 | | SD-05-02-FW | 4 / 4 | 3.7 | 5073 |
| Antimony | 0.44 | J | 1.8 | J | SD-05-03-FW | 4 / 4 | 0.28 | 1.2 |
| Arsenic | 5.1 | | 24.8 | | SD-05-03-FW | 4 / 4 | 0.23 | 12 |
| Barium | 21.3 | | 43.2 | | SD-05-02-FW | 4 / 4 | 0.019 | 32 |
| Beryllium | 0.18 | | 0.3 | | SD-05-03-FW | 4 / 4 | 0.029 | 0.26 |
| Cadmium | 0.62 | | 1.6 | | SD-05-03-FW | 2 / 4 | 0.0048 - 0.043 | 0.56 |
| Calcium | 1340 | | 1850 | | SD-05-02-FW | 4 / 4 | 1.7 | 1528 |
| Chromium | 15 | | 149 | | SD-05-03-FW | 4 / 4 | 0.058 | 62 |
| Cobalt | 5 | J | 16 | | SD-05-03-FW | 4 / 4 | 0.39 | 8.5 |
| Copper | 10.9 | | 80.3 | | SD-05-03-FW | 4 / 4 | 0.086 | 39 |
| Cyanide | | | | | | 0 / 3 | 0.6 - 0.98 | 0.37 |
| Iron | 7990 | | 14200 | | SD-05-01-FW | 4 / 4 | 0.59 | 11163 |
| Lead | 39.3 | | 655 | J | SD-05-03-ME | 4 / 4 | 0.28 | 236 |
| Magnesium | 1400 | | 4440 | | SD-05-02-FW | 4 / 4 | 3.7 | 2566 |
| Manganese | 97.45 | | 952 | | SD-05-02-FW | 4 / 4 | 0.019 | 349 |
| Mercury | 0.225 | | 1.2 | J | SD-05-03-FW | 2 / 4 | 0.005 - 0.05 | 0.37 |
| Nickel | 6.8 | | 11 | J | SD-05-03-ME | 4 / 4 | 0.15 | 9.3 |
| Potassium | 535.5 | J | 755 | J | SD-05-01-FW | 3 / 4 | 2.8 - 487 | 542 |
| Selenium | | | | | | 0 / 4 | 0.053 - 2.1 | 0.47 |
| Silver | 0.455 | J | 0.455 | J | SD-05-03-ME | 1 / 4 | 0.01 - 0.54 | 0.25 |
| Sodium | 94.15 | | 216 | | SD-05-03-FW | 2 / 4 | 0.23 - 55.9 | 89 |
| Thallium | 0.85 | | 0.97 | | SD-05-02-FW | 2 / 4 | 0.038 - 1.3 | 0.62 |
| Vanadium | 12.5 | | 23.55 | | SD-05-03-ME | 4 / 4 | 0.077 | 17 |
| Zinc | 111 | | 571 | | SD-05-03-FW | 4 / 4 | 0.17 | 234 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 1 | 3.745 | 1.9 |
| Cadmium | 0.21 | J | 4.9 | | SD-05-03-FW | 3 / 4 | 5.6 | 2.0 |
| Copper | 15 | J | 195 | | SD-05-03-FW | 2 / 4 | 11.9 - 13.3 | 56 |
| Lead | 21 | | 334 | | SD-05-03-FW | 4 / 4 | N/A | 148 |
| Mercury | | | | | | 0 / 4 | 0.01 - 10.03 | 1.3 |
| Nickel | 4.7 | J | 4.7 | J | SD-05-03-ME | 1 / 4 | 2.2 - 49.8 | 12 |
| SEM/AVS Ratio | 0.22 | | 5.5 | | SD-05-01-FW | 4 / 4 | N/A | 2.5 |
| Sulfide | 7.7 | J | 1528 | J | SD-05-03-FW | 4 / 4 | N/A | 548 |
| Zinc | 75 | | 1460 | | SD-05-03-FW | 4 / 4 | N/A | 455 |
| Total Combustible Organics (mg/Kg) | 1840 | | 59100 | J | SD-05-03-ME | 4 / 4 | 2000 | 30195 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-65**
**SEDIMENT DATA SUMMARY - STATION 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 13 | 6.5 |
| 1,1,1-Trichloroethane | | | | | | 0 / 5 | 20 - 96 | 19 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 20 - 32 | 13 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 26 | 13 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 20 - 32 | 13 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 20 - 96 | 21 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 20 - 96 | 21 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 20 - 96 | 21 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 20 - 29 | 12 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 20 - 29 | 12 |
| 2-Butanone | 45 | | 62 | | SD-06-01-FW | 3 / 3 | N/A | 51 |
| 2-Hexanone | | | | | | 0 / 3 | 20 - 29 | 12 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 20 - 29 | 12 |
| Acetone | | | | | | 0 / 4 | 26 - 280 | 105 |
| Benzene | 17 | J | 17 | J | SD-06-03-ME | 1 / 4 | 13 - 29 | 13 |
| Bromodichloromethane | | | | | | 0 / 3 | 20 - 29 | 12 |
| Bromoform | | | | | | 0 / 3 | 20 - 29 | 12 |
| Bromomethane | | | | | | 0 / 3 | 20 - 29 | 12 |
| Carbon Disulfide | | | | | | 0 / 3 | 20 - 29 | 12 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 20 - 29 | 12 |
| Chlorobenzene | | | | | | 0 / 3 | 20 - 29 | 12 |
| Chloroethane | | | | | | 0 / 3 | 20 - 29 | 12 |
| Chloroform | | | | | | 0 / 4 | 20 - 32 | 13 |
| Chloromethane | | | | | | 0 / 3 | 20 - 29 | 12 |
| cis-1,2-Dichloroethene | 38 | J | 38 | J | SD-06-03-ME | 1 / 1 | 32 | 38 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 20 - 29 | 12 |
| Dibromochloromethane | | | | | | 0 / 3 | 20 - 29 | 12 |
| Ethylbenzene | 9 | J | 9 | J | SD-06-03-ME | 1 / 4 | 13 - 29 | 11 |
| Methyl Acetate | 35 | J | 35 | J | SD-06-03-TR | 1 / 1 | 26 | 35 |
| Methylene Chloride | | | | | | 0 / 5 | 20 - 96 | 23 |
| Naphthalene | 70 | J | 70 | J | SD-06-03-ME | 1 / 1 | 96 | 70 |
| Styrene | | | | | | 0 / 3 | 20 - 29 | 12 |
| Tetrachloroethene | | | | | | 0 / 4 | 20 - 96 | 21 |
| Toluene | | | | | | 0 / 3 | 20 - 29 | 12 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 96 | 48 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 20 - 29 | 12 |
| Trichloroethene | 52 | J | 52 | J | SD-06-03-ME | 1 / 4 | 20 - 32 | 22 |
| Vinyl Chloride | | | | | | 0 / 4 | 20 - 96 | 21 |
| Xylene, m/p- | 25 | J | 25 | J | SD-06-03-ME | 1 / 1 | 32 | 25 |
| Xylene, o- | | | | | | 0 / 1 | 32 | 16 |
| Xylenes (total) | | | | | | 0 / 3 | 20 - 29 | 12 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 630 | 315 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 650 - 2900 | 713 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 650 - 2900 | 713 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 650 - 2900 | 713 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 650 - 2900 | 713 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2,4-Dichlorophenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2,4-Dimethylphenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2,4-Dinitrophenol | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 2,4-Dinitrotoluene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2,6-Dinitrotoluene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2-Chloronaphthalene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2-Chlorophenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2-Methylnaphthalene | 40 | J | 40 | J | SD-06-03-ME | 1 / 5 | 67 - 2900 | 499 |
| 2-Methylphenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 2-Nitroaniline | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 2-Nitrophenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 4 | 630 - 2900 | 614 |

**TABLE 2-65**
**SEDIMENT DATA SUMMARY - STATION 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3+4-Methylphenols | | | | | | 0 / 1 | 630 | 315 |
| 3-Nitroaniline | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 4-Chloroaniline | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 4 | 630 - 2900 | 614 |
| 4-Methylphenol | | | | | | 0 / 3 | 650 - 2900 | 713 |
| 4-Nitroaniline | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| 4-Nitrophenol | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| Acenaphthene | 130 | J | 130 | J | SD-06-03-ME | 1 / 5 | 67 - 2900 | 517 |
| Acenaphthylene | 110 | J | 130 | J | SD-06-01-FW | 3 / 5 | 67 - 2900 | 425 |
| Acetophenone | | | | | | 0 / 1 | 630 | 315 |
| Anthracene | 64 | J | 1300 | J | SD-06-03-FW | 5 / 5 | 67 - 630 | 477 |
| Atrazine | | | | | | 0 / 1 | 630 | 315 |
| Benzaldehyde | | | | | | 0 / 1 | 630 | 315 |
| Benzo(a)anthracene | 310 | J | 4200 | J | SD-06-03-ME | 5 / 5 | 67 - 630 | 1788 |
| Benzo(a)pyrene | 370 | J | 5100 | J | SD-06-03-ME | 5 / 5 | 67 - 630 | 1910 |
| Benzo(b)fluoranthene | 610 | J | 6100 | J | SD-06-03-ME | 4 / 5 | 67 - 730 | 2087 |
| Benzo(g,h,i)perylene | 150 | J | 1900 | J | SD-06-03-ME | 5 / 5 | 10 - 67 | 954 |
| Benzo(k)fluoranthene | 160 | J | 2400 | J | SD-06-03-FW | 4 / 5 | 67 - 730 | 983 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 4 | 630 - 2900 | 614 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 4 | 630 - 2900 | 614 |
| bis(2-Ethylhexyl)phthalate | 430 | J | 3000 | | SD-06-02-FW | 2 / 4 | 630 - 3300 | 1620 |
| Butylbenzylphthalate | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Caprolactam | | | | | | 0 / 1 | 630 | 315 |
| Carbazole | 98 | J | 98 | J | SD-06-01-FW | 1 / 4 | 630 - 2900 | 547 |
| Chrysene | 450 | J | 6900 | J | SD-06-03-ME | 5 / 5 | 67 - 630 | 2690 |
| Dibenz(a,h)anthracene | 720 | J | 720 | J | SD-06-03-ME | 1 / 5 | 67 - 2900 | 635 |
| Dibenzofuran | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Diethylphthalate | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Dimethylphthalate | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Di-n-butylphthalate | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Di-n-octylphthalate | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Fluoranthene | 780 | | 11000 | | SD-06-03-FW | 5 / 5 | 67 - 630 | 5016 |
| Fluorene | 110 | J | 430 | J | SD-06-03-FW | 3 / 5 | 67 - 650 | 316 |
| Hexachlorobenzene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Hexachlorobutadiene sv | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Hexachlorocyclopentadiene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Hexachloroethane | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Indeno(1,2,3-cd)pyrene | 150 | J | 2400 | J | SD-06-03-ME | 5 / 5 | 67 - 630 | 968 |
| Isophorone | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Naphthalene | 53 | J | 53 | J | SD-06-03-ME | 1 / 5 | 67 - 2900 | 502 |
| Nitrobenzene | | | | | | 0 / 4 | 630 - 2900 | 614 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 4 | 630 - 2900 | 614 |
| N-nitrosodiphenylamine | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Pentachlorophenol | | | | | | 0 / 4 | 1600 - 7300 | 1538 |
| Phenanthrene | 340 | J | 6300 | | SD-06-03-FW | 5 / 5 | 67 - 630 | 2666 |
| Phenol | | | | | | 0 / 4 | 630 - 2900 | 614 |
| Pyrene | 600 | J | 7500 | | SD-06-03-ME | 5 / 5 | 67 - 630 | 3380 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 3.2 | 1.6 |
| 4,4'-DDD | 2.2 | | 94 | J | SD-06-01-FW | 5 / 5 | 1.3 - 3.2 | 71 |
| 4,4'-DDE | 2.6 | | 100 | J | SD-06-03-FW | 5 / 5 | 1.3 - 3.2 | 71 |
| 4,4'-DDT | 15 | J | 32 | J | SD-06-01-FW | 2 / 4 | 1.3 - 49 | 18 |
| Aldrin | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| alpha-BHC | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| alpha-Chlordane | 27 | J | 80 | | SD-06-03-ME | 4 / 5 | 0.63 - 1.6 | 34 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.2 - 490 | 110 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.4 - 990 | 220 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.2 - 490 | 110 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.2 - 490 | 110 |
| Aroclor 1248 | 120 | J | 120 | J | SD-06-03-ME | 1 / 4 | 3.2 - 490 | 139 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.2 - 490 | 110 |
| Aroclor 1260 | 82 | | 82 | | SD-06-03-ME | 1 / 4 | 3.2 - 490 | 130 |
| beta-BHC | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| delta-BHC | 25 | J | 25 | J | SD-06-03-ME | 1 / 4 | 0.63 - 25 | 12 |
| Dieldrin | 5 | J | 5 | J | SD-06-03-ME | 1 / 4 | 1.3 - 49 | 12 |
| Endosulfan I | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| Endosulfan II | | | | | | 0 / 4 | 1.3 - 49 | 11 |
| Endosulfan sulfate | | | | | | 0 / 4 | 1.3 - 49 | 11 |

**TABLE 2-65**
**SEDIMENT DATA SUMMARY - STATION 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Endrin | 17 | J | 17 | J | SD-06-03-ME | 1 / 4 | 1.3 - 49 | 15 |
| Endrin aldehyde | | | | | | 0 / 4 | 1.3 - 49 | 11 |
| Endrin ketone | | | | | | 0 / 4 | 1.3 - 49 | 11 |
| gamma-BHC (Lindane) | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| gamma-Chlordane | 48 | J | 48 | J | SD-06-03-ME | 1 / 4 | 0.63 - 25 | 18 |
| Heptachlor | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| Heptachlor epoxide | | | | | | 0 / 4 | 0.63 - 25 | 5.8 |
| Methoxychlor | | | | | | 0 / 4 | 6.3 - 250 | 58 |
| Toxaphene | | | | | | 0 / 4 | 63 - 2500 | 578 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4780 | | 15700 | | SD-JP-01 | 6 / 6 | 3.5 - 9.14 | 9907 |
| Antimony | 1.2 | J | 2.8 | J | SD-06-03-FW | 6 / 6 | 0.26 - 0.74 | 2.3 |
| Arsenic | 21.8 | | 135 | | SD-06-03-ME | 6 / 6 | 0.22 - 1 | 74 |
| Barium | 28.9 | | 130 | | SD-06-03-ME | 6 / 6 | 0.018 - 0.4439 | 77 |
| Beryllium | 0.28 | | 1 | | SD-06-03-ME | 6 / 6 | 0.027 - 0.2 | 0.61 |
| Cadmium | 1.5 | | 9.8 | | SD-JP-01 | 6 / 6 | 0.037 - 0.6 | 5.0 |
| Calcium | 1740 | | 5850 | J | SD-JP-01 | 6 / 6 | 1.6 - 8.8771 | 3800 |
| Chromium | 172 | | 442 | | SD-06-03-FW | 6 / 6 | 0.055 - 1 | 306 |
| Cobalt | 6 | | 20.9 | | SD-06-03-ME | 6 / 6 | 0.36 - 0.4439 | 14 |
| Copper | 83.9 | | 435 | | SD-JP-01 | 6 / 6 | 0.082 - 0.4439 | 238 |
| Cyanide | 2.2 | | 3 | J | SD-JP-01 | 2 / 4 | 0.4085 - 1.5 | 1.6 |
| Iron | 9930 | | 40600 | | SD-06-03-ME | 6 / 6 | 0.57 - 1.7754 | 22738 |
| Lead | 193 | | 455 | | SD-06-03-ME | 6 / 6 | 0.26 - 0.6 | 366 |
| Magnesium | 1610 | | 4840 | | SD-JP-01 | 6 / 6 | 0.82 - 15.18 | 3042 |
| Manganese | 296 | | 1630 | | SD-06-03-ME | 6 / 6 | 0.018 - 0.4439 | 679 |
| Mercury | 0.4 | J | 3.2 | | SD-JP-01 | 6 / 6 | 0.005 - 0.1235 | 1.4 |
| Nickel | 10.7 | | 35.5 | J | SD-JP-01 | 6 / 6 | 0.15 - 0.8 | 22 |
| Potassium | 551 | J | 1380 | | SD-06-03-ME | 6 / 6 | 2.7 - 17.754 | 941 |
| Selenium | 1.6 | J | 3.4 | J | SD-06-03-ME | 2 / 6 | 0.4 - 2.1 | 1.3 |
| Silver | 0.18 | J | 0.18 | J | SD-06-03-ME | 1 / 6 | 0.01 - 1 | 0.27 |
| Sodium | 214 | | 755 | | SD-06-03-FW | 5 / 6 | 0.22 - 617 | 497 |
| Thallium | 0.92 | J | 1.2 | | SD-06-03-FW | 2 / 6 | 0.043 - 1.2 | 0.68 |
| Vanadium | 24.5 | | 60.2 | | SD-06-03-ME | 6 / 6 | 0.073 - 0.64 | 41 |
| Zinc | 384 | | 1920 | | SD-JP-01 | 6 / 6 | 0.16 - 1.7 | 1068 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 13 | J | 13 | J | SD-06-03-ME | 1 / 1 | N/A | 13 |
| Cadmium | 2.9 | | 6.7 | | SD-06-03-ME | 5 / 5 | N/A | 4.6 |
| Copper | 5.1 | | 166 | J | SD-06-02-FW | 5 / 5 | N/A | 126 |
| Lead | 248 | | 455 | | SD-06-02-FW | 5 / 5 | N/A | 342 |
| Mercury | 0.10 | J | 0.10 | J | SD-06-03-TR | 1 / 4 | 0.01 | 0.029 |
| Nickel | 12 | | 120 | J | SD-06-01-FW | 5 / 5 | N/A | 70 |
| SEM/AVS Ratio | 0.054 | | 22 | | SD-06-03-TR | 5 / 5 | N/A | 4.9 |
| Sulfide | 21 | J | 13322 | J | SD-06-03-FW | 5 / 5 | N/A | 4849 |
| Zinc | 606 | | 1070 | | SD-06-03-FW | 5 / 5 | N/A | 749 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 1 | 6.41 | 3 |
| pH | 6.84 | | 6.84 | | SD-JP-01 | 1 / 1 | N/A | 7 |
| Redox Potential | -56 | | -56 | | SD-JP-01 | 1 / 1 | N/A | -56 |
| Sulfide | 356 | J | 356 | J | SD-JP-01 | 1 / 1 | 10.19 | 356 |
| Total Combustible Organics (mg/Kg) | 41600 | | 197000 | J | SD-06-03-ME | 4 / 4 | 2000 | 88800 |
| Total Organic Carbon (mg/Kg) | 100000 | | 100000 | | SD-06-03-TR | 1 / 1 | 250 | 100000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-66
## SEDIMENT DATA SUMMARY - STATION 7
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 3 | 10 - 13 | 5.7 |
| 1,1,1-Trichloroethane | | | | | | 0 / 12 | 13 - 101 | 19 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 12 | 13 - 34 | 12 |
| 1,1,2-Trichloroethane | | | | | | 0 / 12 | 13 - 34 | 12 |
| 1,1-Dichloroethane | | | | | | 0 / 12 | 13 - 101 | 19 |
| 1,1-Dichloroethene | | | | | | 0 / 12 | 13 - 101 | 19 |
| 1,2-Dichloroethane | | | | | | 0 / 12 | 13 - 101 | 19 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 9 | 13 - 28 | 11 |
| 1,2-Dichloropropane | | | | | | 0 / 9 | 13 - 28 | 11 |
| 2-Butanone | 10.25 | J | 89 | | SD-07-04-FW | 3 / 10 | 13 - 28 | 23 |
| 2-Hexanone | | | | | | 0 / 9 | 13 - 28 | 11 |
| 4-Methyl-2-pentanone | | | | | | 0 / 9 | 13 - 28 | 11 |
| Acetone | | | | | | 0 / 9 | 21 - 280 | 46 |
| Benzene | | | | | | 0 / 12 | 10 - 28 | 9.8 |
| Bromodichloromethane | | | | | | 0 / 9 | 13 - 28 | 11 |
| Bromoform | | | | | | 0 / 9 | 13 - 28 | 11 |
| Bromomethane | | | | | | 0 / 9 | 13 - 28 | 11 |
| Carbon Disulfide | | | | | | 0 / 9 | 13 - 28 | 11 |
| Carbon Tetrachloride | | | | | | 0 / 9 | 13 - 28 | 11 |
| Chlorobenzene | | | | | | 0 / 9 | 13 - 28 | 11 |
| Chloroethane | | | | | | 0 / 9 | 13 - 28 | 11 |
| Chloroform | | | | | | 0 / 12 | 13 - 34 | 12 |
| Chloromethane | | | | | | 0 / 9 | 13 - 28 | 11 |
| cis-1,2-Dichloroethene | 18 | J | 24 | J | SD-07-10-ME | 3 / 3 | 25 - 34 | 21 |
| cis-1,3-Dichloropropene | | | | | | 0 / 9 | 13 - 28 | 11 |
| Dibromochloromethane | | | | | | 0 / 9 | 13 - 28 | 11 |
| Ethylbenzene | 5 | J | 5 | J | SD-07-02-ME | 1 / 12 | 10 - 28 | 9.8 |
| Methylene chloride | | | | | | 0 / 12 | 14 - 180 | 36 |
| Naphthalene | | | | | | 0 / 3 | 74 - 101 | 42 |
| Styrene | | | | | | 0 / 9 | 13 - 28 | 11 |
| Tetrachloroethene | | | | | | 0 / 12 | 13 - 101 | 19 |
| Toluene | | | | | | 0 / 9 | 13 - 28 | 11 |
| trans-1,2-Dichloroethene | | | | | | 0 / 3 | 74 - 101 | 42 |
| trans-1,3-Dichloropropene | | | | | | 0 / 9 | 13 - 28 | 11 |
| Trichloroethene | 16 | J | 35 | J | SD-07-10-ME | 3 / 12 | 13 - 34 | 15 |
| Vinyl chloride | | | | | | 0 / 12 | 13 - 101 | 19 |
| Xylene, m/p- | | | | | | 0 / 3 | 25 - 34 | 14 |
| Xylene, o- | | | | | | 0 / 3 | 25 - 34 | 14 |
| Xylenes (total) | | | | | | 0 / 9 | 13 - 28 | 11 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 1,2-Dichlorobenzene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 1,3-Dichlorobenzene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 1,4-Dichlorobenzene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,4-Dichlorophenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,4-Dimethylphenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,4-Dinitrophenol | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| 2,4-Dinitrotoluene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2,6-Dinitrotoluene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2-Chloronaphthalene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2-Chlorophenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2-Methylnaphthalene | 44 | J | 130 | J | SD-07-10-FW | 6 / 12 | 67 - 2700 | 371 |
| 2-Methylphenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 2-Nitroaniline | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| 2-Nitrophenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 3-Nitroaniline | | | | | | 0 / 9 | 1000 - 6800 | 1400 |

**TABLE 2-66**
**SEDIMENT DATA SUMMARY - STATION 7**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 4-Chloroaniline | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 4-Methylphenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| 4-Nitroaniline | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| 4-Nitrophenol | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| Acenaphthene | 110 | J | 390 | J | SD-07-09-FW | 11 / 13 | 67 - 540 | 239 |
| Acenaphthylene | 67 | J | 480 | J | SD-07-10-FW | 8 / 12 | 67 - 2700 | 367 |
| Anthracene | 131 | J | 1100 | J | SD-07-09-FW | 13 / 13 | 67 | 605 |
| Benzo(a)anthracene | 415 | J | 9600 | | SD-07-10-ME | 13 / 13 | 67 | 3993 |
| Benzo(a)pyrene | 490 | J | 10000 | | SD-07-10-ME | 13 / 13 | 67 | 3891 |
| Benzo(b)fluoranthene | 555 | | 16000 | J | SD-07-10-ME | 13 / 13 | 67 | 6812 |
| Benzo(g,h,i)perylene | 270 | J | 5300 | | SD-07-10-ME | 12 / 13 | 67 - 890 | 1778 |
| Benzo(k)fluoranthene | 480 | J | 14000 | J | SD-07-05-FW | 13 / 13 | 67 | 5291 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 9 | 420 - 2700 | 559 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 9 | 420 - 2700 | 559 |
| bis(2-Ethylhexyl)phthalate | 390 | J | 13000 | J | SD-07-05-FW | 9 / 10 | 790 | 4919 |
| Butylbenzylphthalate | 160 | J | 620 | J | SD-07-05-FW | 6 / 10 | 420 - 870 | 344 |
| Carbazole | 83 | J | 680 | J | SD-07-09-FW | 10 / 10 | N/A | 338 |
| Chrysene | 670 | J | 10000 | | SD-07-10-ME | 13 / 13 | 67 | 4996 |
| Di-n-butylphthalate | | | | | | 0 / 9 | 420 - 2700 | 632 |
| Di-n-octylphthalate | 140 | J | 430 | J | SD-07-05-FW | 3 / 10 | 420 - 2700 | 459 |
| Dibenz(a,h)anthracene | 82 | J | 2000 | | SD-07-10-ME | 11 / 13 | 67 - 890 | 573 |
| Dibenzofuran | 96 | J | 190 | J | SD-07-06-FW | 4 / 9 | 430 - 2700 | 407 |
| Diethylphthalate | 240 | J | 240 | J | SD-07-04-FW | 1 / 9 | 420 - 2700 | 537 |
| Dimethylphthalate | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Fluoranthene | 1000 | | 23000 | | SD-07-10-ME | 13 / 13 | 67 | 9142 |
| Fluorene | 100 | J | 640 | | SD-07-02-ME | 12 / 13 | 67 - 430 | 391 |
| Hexachlorobenzene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Hexachlorobutadiene sv | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Hexachlorocyclopentadiene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Hexachloroethane | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Indeno(1,2,3-cd)pyrene | 220 | J | 6900 | | SD-07-10-ME | 12 / 13 | 67 - 890 | 2028 |
| Isophorone | | | | | | 0 / 9 | 420 - 2700 | 559 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 9 | 420 - 2700 | 559 |
| N-nitrosodiphenylamine | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Naphthalene | 52 | J | 130 | J | SD-07-10-FW | 6 / 12 | 67 - 2700 | 367 |
| Nitrobenzene | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Pentachlorophenol | | | | | | 0 / 9 | 1000 - 6800 | 1400 |
| Phenanthrene | 400 | J | 12000 | | SD-07-10-ME | 13 / 13 | 67 | 4138 |
| Phenol | | | | | | 0 / 9 | 420 - 2700 | 559 |
| Pyrene | 840 | J | 15000 | | SD-07-10-ME | 13 / 13 | 67 | 7080 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 3 | 3.2 - 3.3 | 1.6 |
| 4,4'-DDD | 18 | | 76 | | SD-07-10-FW | 12 / 13 | 3.2 - 21 | 39 |
| 4,4'-DDE | 12 | J | 69 | | SD-07-10-FW | 12 / 13 | 3.2 - 21 | 32 |
| 4,4'-DDT | 3.8 | J | 47 | | SD-07-10-FW | 12 / 13 | 3.2 - 21 | 22 |
| Aldrin | 0.24 | J | 5.7 | | SD-07-09-FW | 6 / 12 | 1.6 - 11 | 2.6 |
| alpha-BHC | 0.31 | J | 2.7 | J | SD-07-02-FW | 6 / 13 | 1.6 - 11 | 1.6 |
| alpha-Chlordane | 9.25 | J | 80 | | SD-07-10-ME | 13 / 13 | 1.6 | 35 |
| Aroclor 1016 | | | | | | 0 / 12 | 3.2 - 210 | 35 |
| Aroclor 1221 | | | | | | 0 / 12 | 6.4 - 440 | 72 |
| Aroclor 1232 | | | | | | 0 / 12 | 3.2 - 210 | 35 |
| Aroclor 1242 | | | | | | 0 / 12 | 3.2 - 210 | 35 |
| Aroclor 1248 | 29 | J | 67 | J | SD-07-10-ME | 3 / 12 | 3.2 - 210 | 46 |
| Aroclor 1254 | | | | | | 0 / 12 | 3.2 - 210 | 35 |
| Aroclor 1260 | 50 | | 95 | | SD-07-02-ME | 3 / 12 | 3.2 - 210 | 53 |
| beta-BHC | 1.5 | J | 6.6 | | SD-07-07-FW | 7 / 13 | 1.6 - 11 | 3.2 |

**TABLE 2-66**
**SEDIMENT DATA SUMMARY - STATION 7**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 0.33 | J | 24 | J | SD-07-05-ME | 7 / 13 | 1.6 - 11 | 4.5 |
| Dieldrin | 0.59 | J | 7 | J | SD-07-06-FW | 9 / 13 | 3.2 - 21 | 3.6 |
| Endosulfan I | | | | | | 0 / 12 | 1.6 - 11 | 2.0 |
| Endosulfan II | 1.3 | J | 8.4 | J | SD-07-09-FW | 7 / 13 | 3.2 - 21 | 4.1 |
| Endosulfan Sulfate | 2.1 | J | 3.9 | J | SD-07-04-FW | 2 / 13 | 3.2 - 21 | 3.7 |
| Endrin | 0.6 | J | 17 | J | SD-07-05-ME | 7 / 12 | 3.2 - 21 | 6.5 |
| Endrin Aldehyde | 0.94 | J | 27 | J | SD-07-02-ME | 7 / 12 | 3.2 - 21 | 5.5 |
| Endrin Ketone | 1.8 | J | 2.7 | J | SD-07-08-FW | 3 / 12 | 3.2 - 21 | 3.5 |
| gamma-BHC (Lindane) | 1.4 | J | 1.4 | J | SD-07-02-FW | 2 / 12 | 1.6 - 11 | 1.9 |
| gamma-Chlordane | 8.8 | | 53 | J | SD-07-04-FW | 12 / 13 | 1.6 - 11 | 26 |
| Heptachlor | 0.18 | J | 1.6 | J | SD-07-06-ME | 6 / 13 | 1.6 - 11 | 1.4 |
| Heptachlor Epoxide | 0.45 | J | 3.7 | J | SD-07-05-FW | 8 / 13 | 1.6 - 11 | 2.1 |
| Methoxychlor | 6.3 | J | 12 | J | SD-07-10-FW | 3 / 12 | 16 - 110 | 17 |
| Toxaphene | | | | | | 0 / 12 | 160 - 1100 | 199 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4890 | J | 22600 | J | SD-07-10-FW | 13 / 13 | 3.5 - 3.6 | 10171 |
| Antimony | 0.72 | | 3.1 | | SD-07-10-FW | 13 / 13 | 0.26 - 0.27 | 2.0 |
| Arsenic | 10.3 | J | 129 | J | SD-07-10-FW | 13 / 13 | 0.22 | 62 |
| Barium | 21.35 | | 118 | | SD-07-05-ME | 13 / 13 | 0.018 - 0.019 | 67 |
| Beryllium | 0.23 | | 1.3 | | SD-07-10-FW | 10 / 13 | 0.027 - 0.32 | 0.56 |
| Cadmium | 0.645 | | 10.3 | | SD-07-10-FW | 7 / 13 | 0.037 - 6.1 | 3.4 |
| Calcium | 1630 | | 6630 | | SD-07-05-ME | 13 / 13 | 1.6 - 1.7 | 3840 |
| Chromium | 31.9 | J | 442 | J | SD-07-10-FW | 13 / 13 | 0.055 - 0.056 | 184 |
| Cobalt | 6.1 | | 32.6 | | SD-07-10-FW | 13 / 13 | 0.37 - 0.38 | 14 |
| Copper | 23.4 | J | 380 | J | SD-07-10-FW | 13 / 13 | 0.082 - 0.084 | 175 |
| Cyanide | 1.4 | | 1.8 | | SD-07-05-FW | 2 / 10 | 0.54 - 1.4 | 0.72 |
| Iron | 9490 | J | 35400 | | SD-07-05-ME | 13 / 13 | 0.57 - 0.58 | 20693 |
| Lead | 41.2 | | 480 | | SD-07-04-FW | 13 / 13 | 0.26 - 0.27 | 267 |
| Magnesium | 1620 | J | 5860 | J | SD-07-08-FW | 13 / 13 | 0.82 - 0.84 | 3574 |
| Manganese | 108.55 | | 595 | J | SD-07-04-FW | 13 / 13 | 0.018 - 0.019 | 337 |
| Mercury | 0.28 | J | 5.7 | J | SD-07-10-FW | 12 / 13 | 0.005 - 0.11 | 1.4 |
| Nickel | 8.2 | | 37.5 | | SD-07-05-ME | 13 / 13 | 0.15 | 23 |
| Potassium | 574 | J | 1900 | J | SD-07-08-FW | 12 / 13 | 2.7 - 610 | 1072 |
| Selenium | 1.9 | | 2.4 | J | SD-07-10-ME | 4 / 13 | 0.052 - 3.2 | 1.2 |
| Silver | 0.78 | J | 1.1 | | SD-07-04-FW | 4 / 13 | 0.0095 - 0.79 | 0.46 |
| Sodium | 30.85 | J | 342 | | SD-07-04-FW | 2 / 13 | 0.22 - 519 | 151 |
| Thallium | 0.815 | | 3.8 | | SD-07-10-FW | 9 / 13 | 0.043 - 1.6 | 1.6 |
| Vanadium | 17.2 | | 79.2 | | SD-07-10-FW | 13 / 13 | 0.073 - 0.075 | 40 |
| Zinc | 106 | J | 2490 | J | SD-07-10-FW | 13 / 13 | 0.16 - 0.17 | 974 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 7.5 | J | 14 | J | SD-07-02-ME | 3 / 3 | N/A | 11 |
| Cadmium | 1.1 | | 8.0 | J | SD-07-05-FW | 7 / 13 | 0.37 - 5.6 | 3.5 |
| Copper | 12 | | 262 | | SD-07-05-FW | 10 / 13 | 3.175 - 25.6 | 89 |
| Lead | 36 | | 652 | | SD-07-02-FW | 13 / 13 | N/A | 282 |
| Mercury | | | | | | 0 / 10 | 0.003 - 0.01 | 0.0041 |
| Nickel | 13 | J | 156 | J | SD-07-10-FW | 10 / 13 | 2.9 - 82.9 | 41 |
| SEM/AVS Ratio | 0.079 | | 4.0 | | SD-07-06-FW | 13 / 13 | N/A | 0.77 |
| Sulfide | 168 | | 13482 | J | SD-07-05-FW | 13 / 13 | N/A | 2308 |
| Zinc | 111 | | 1740 | | SD-07-05-FW | 13 / 13 | N/A | 852 |
| Total Combustible Organics (mg/Kg) | 13800 | | 218000 | J | SD-07-10-ME | 13 / 13 | 2000 | 95865 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-67**
**SEDIMENT DATA SUMMARY - STATION 8**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 2-Butanone | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 2-Hexanone | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Acetone | | | | | | 0 / 3 | 12 - 24 | 9.2 |
| Benzene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Bromodichloromethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Bromoform | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Bromomethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Carbon Disulfide | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Chlorobenzene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Chloroethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Chloroform | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Chloromethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Dibromochloromethane | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Ethylbenzene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Methylene Chloride | | | | | | 0 / 3 | 22 - 39 | 15 |
| Styrene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Tetrachloroethene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Toluene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Trichloroethene | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Vinyl Chloride | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| Xylenes (total) | | | | | | 0 / 3 | 12 - 15 | 6.7 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 400 - 490 | 218 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2-Chlorophenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2-Methylnaphthalene | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2-Methylphenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 2-Nitrophenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 400 - 490 | 218 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 400 - 490 | 218 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 4-Chloroaniline | | | | | | 0 / 3 | 400 - 490 | 218 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 400 - 490 | 218 |

**TABLE 2-67**
**SEDIMENT DATA SUMMARY - STATION 8**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| Acenaphthene | | | | | | 0 / 3 | 400 - 490 | 218 |
| Acenaphthylene | 81 | J | 120 | J | SD-08-02-FW | 2 / 3 | 400 | 134 |
| Anthracene | 56 | J | 120 | J | SD-08-02-FW | 3 / 3 | N/A | 99 |
| Benzo(a)anthracene | 290 | J | 680 | | SD-08-02-FW | 3 / 3 | N/A | 483 |
| Benzo(a)pyrene | 450 | | 940 | | SD-08-02-FW | 3 / 3 | N/A | 627 |
| Benzo(b)fluoranthene | 950 | | 1900 | | SD-08-02-FW | 3 / 3 | N/A | 1283 |
| Benzo(g,h,i)perylene | 260 | J | 700 | | SD-08-02-FW | 3 / 3 | N/A | 413 |
| Benzo(k)fluoranthene | 960 | | 2000 | | SD-08-02-FW | 3 / 3 | N/A | 1353 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 400 - 490 | 218 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 400 - 490 | 218 |
| bis(2-Ethylhexyl)phthalate | 84 | J | 260 | J | SD-08-03-FW | 3 / 3 | N/A | 165 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 400 - 490 | 218 |
| Carbazole | 63 | J | 110 | J | SD-08-02-FW | 2 / 3 | 420 | 128 |
| Chrysene | 450 | | 1000 | | SD-08-02-FW | 3 / 3 | N/A | 677 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 400 - 490 | 218 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 400 - 490 | 218 |
| Dibenz(a,h)anthracene | 60 | J | 160 | J | SD-08-02-FW | 3 / 3 | N/A | 93 |
| Dibenzofuran | 56 | J | 56 | J | SD-08-02-FW | 1 / 3 | 400 - 420 | 155 |
| Diethylphthalate | | | | | | 0 / 3 | 400 - 490 | 218 |
| Dimethylphthalate | | | | | | 0 / 3 | 400 - 490 | 218 |
| Fluoranthene | 520 | | 1400 | | SD-08-02-FW | 3 / 3 | N/A | 897 |
| Fluorene | 50 | J | 100 | J | SD-08-02-FW | 3 / 3 | N/A | 73 |
| Hexachlorobenzene | | | | | | 0 / 3 | 400 - 490 | 218 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 400 - 490 | 218 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 400 - 490 | 218 |
| Hexachloroethane | | | | | | 0 / 3 | 400 - 490 | 218 |
| Indeno(1,2,3-cd)pyrene | 240 | J | 680 | | SD-08-02-FW | 3 / 3 | N/A | 400 |
| Isophorone | | | | | | 0 / 3 | 400 - 490 | 218 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 400 - 490 | 218 |
| N-nitrosodiphenylamine | 58 | J | 58 | J | SD-08-01-FW | 1 / 3 | 400 - 490 | 168 |
| Naphthalene | 41 | J | 200 | J | SD-08-02-FW | 3 / 3 | N/A | 98 |
| Nitrobenzene | | | | | | 0 / 3 | 400 - 490 | 218 |
| Pentachlorophenol | | | | | | 0 / 3 | 1000 - 1200 | 533 |
| Phenanthrene | 280 | J | 610 | | SD-08-02-FW | 3 / 3 | N/A | 477 |
| Phenol | | | | | | 0 / 3 | 400 - 490 | 218 |
| Pyrene | 640 | J | 2000 | | SD-08-02-FW | 3 / 3 | N/A | 1150 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 3.3 | J | 9.8 | | SD-08-01-FW | 3 / 3 | N/A | 6.6 |
| 4,4'-DDE | 3.5 | J | 4.2 | J | SD-08-03-FW | 3 / 3 | N/A | 3.9 |
| 4,4'-DDT | 0.87 | J | 3 | J | SD-08-01-FW | 2 / 2 | N/A | 1.9 |
| Aldrin | | | | | | 0 / 2 | 2.1 - 2.5 | 1.2 |
| alpha-BHC | 0.26 | J | 0.26 | J | SD-08-02-FW | 1 / 2 | 2.1 | 0.66 |
| alpha-Chlordane | 1.5 | J | 1.5 | J | SD-08-03-FW | 1 / 3 | 2.1 - 2.5 | 1.3 |
| Aroclor 1016 | | | | | | 0 / 2 | 41 - 49 | 23 |
| Aroclor 1221 | | | | | | 0 / 2 | 84 - 100 | 46 |
| Aroclor 1232 | | | | | | 0 / 2 | 41 - 49 | 23 |
| Aroclor 1242 | | | | | | 0 / 2 | 41 - 49 | 23 |
| Aroclor 1248 | | | | | | 0 / 2 | 41 - 49 | 23 |
| Aroclor 1254 | | | | | | 0 / 2 | 41 - 49 | 23 |
| Aroclor 1260 | | | | | | 0 / 2 | 41 - 49 | 23 |
| beta-BHC | | | | | | 0 / 2 | 2.1 - 2.5 | 1.2 |
| delta-BHC | 0.32 | J | 0.32 | J | SD-08-03-FW | 1 / 3 | 2.1 - 2.5 | 0.87 |

**TABLE 2-67**
**SEDIMENT DATA SUMMARY - STATION 8**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 0.19 | J | 0.19 | J | SD-08-02-FW | 1 / 2 | 4.1 | 1.1 |
| Endosulfan I | | | | | | 0 / 2 | 2.1 - 2.5 | 1.2 |
| Endosulfan II | 0.29 | J | 1.1 | J | SD-08-02-FW | 2 / 2 | N/A | 0.70 |
| Endosulfan sulfate | | | | | | 0 / 2 | 4.1 - 4.9 | 2.3 |
| Endrin | 2.3 | J | 2.3 | J | SD-08-02-FW | 1 / 2 | 4.1 | 2.2 |
| Endrin aldehyde | 0.47 | J | 0.47 | J | SD-08-02-FW | 1 / 2 | 4.1 | 1.3 |
| Endrin ketone | 2.9 | J | 2.9 | J | SD-08-02-FW | 1 / 2 | 4.1 | 2.5 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 2.1 - 2.5 | 1.2 |
| gamma-Chlordane | 0.25 | J | 1.4 | J | SD-08-03-FW | 3 / 3 | N/A | 0.78 |
| Heptachlor | 0.13 | J | 0.13 | J | SD-08-02-FW | 1 / 2 | 2.1 | 0.59 |
| Heptachlor epoxide | 0.45 | J | 1.1 | J | SD-08-02-FW | 3 / 3 | N/A | 0.73 |
| Methoxychlor | | | | | | 0 / 2 | 21 - 25 | 11.5 |
| Toxaphene | | | | | | 0 / 2 | 210 - 250 | 115 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4590 | J | 5950 | J | SD-08-02-FW | 3 / 3 | N/A | 5457 |
| Antimony | 0.74 | | 1.6 | | SD-08-02-FW | 3 / 3 | N/A | 1.0 |
| Arsenic | 10.8 | J | 28.9 | J | SD-08-02-FW | 3 / 3 | N/A | 19 |
| Barium | 15.7 | | 21.2 | | SD-08-02-FW | 3 / 3 | N/A | 19 |
| Beryllium | 0.25 | | 0.32 | | SD-08-02-FW | 2 / 3 | 0.19 | 0.22 |
| Cadmium | | | | | | 0 / 3 | 0.6 - 1.8 | 0.62 |
| Calcium | 1630 | | 2330 | | SD-08-02-FW | 3 / 3 | N/A | 1957 |
| Chromium | 17.8 | J | 119 | J | SD-08-02-FW | 3 / 3 | N/A | 54 |
| Cobalt | 5.2 | | 10.6 | | SD-08-02-FW | 3 / 3 | N/A | 7.3 |
| Copper | 28.3 | J | 133 | J | SD-08-02-FW | 3 / 3 | N/A | 74 |
| Cyanide | | | | | | 0 / 3 | 0.6 - 0.61 | 0.30 |
| Iron | 7110 | J | 23200 | J | SD-08-02-FW | 3 / 3 | N/A | 13237 |
| Lead | 20 | | 70.7 | | SD-08-02-FW | 3 / 3 | N/A | 43 |
| Magnesium | 1730 | J | 2180 | J | SD-08-03-FW | 3 / 3 | N/A | 2007 |
| Manganese | 99.5 | J | 228 | J | SD-08-02-FW | 3 / 3 | N/A | 161 |
| Mercury | 0.11 | J | 1 | J | SD-08-02-FW | 3 / 3 | N/A | 0.46 |
| Nickel | 7 | | 20.2 | | SD-08-02-FW | 3 / 3 | N/A | 12 |
| Potassium | 464 | J | 476 | J | SD-08-03-FW | 3 / 3 | N/A | 470 |
| Selenium | | | | | | 0 / 3 | 0.67 - 0.9 | 0.39 |
| Silver | | | | | | 0 / 3 | 0.27 - 0.32 | 0.15 |
| Sodium | | | | | | 0 / 3 | 80.2 - 157 | 59 |
| Thallium | 1.1 | | 1.7 | | SD-08-02-FW | 3 / 3 | N/A | 1.4 |
| Vanadium | 11.6 | | 17.5 | | SD-08-02-FW | 3 / 3 | N/A | 15 |
| Zinc | 171 | J | 539 | J | SD-08-02-FW | 3 / 3 | N/A | 350 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 3.8 | | 3.8 | | SD-08-01-FW | 1 / 3 | 0.79 - 1.6 | 1.7 |
| Copper | 63 | | 128 | | SD-08-01-FW | 3 / 3 | N/A | 103 |
| Lead | 48 | | 294 | | SD-08-01-FW | 3 / 3 | N/A | 136 |
| Mercury | 0.010 | | 0.020 | | SD-08-03-FW | 2 / 3 | 0.004 | 0.011 |
| Nickel | 6.2 | J | 37 | J | SD-08-03-FW | 3 / 3 | N/A | 19 |
| SEM/AVS Ratio | 2.4 | | 3.5 | | SD-08-01-FW | 3 / 3 | N/A | 3.0 |
| Sulfide | 93 | J | 159 | J | SD-08-01-FW | 3 / 3 | N/A | 132 |
| Zinc | 508 | | 899 | | SD-08-01-FW | 3 / 3 | N/A | 649 |
| Total Combustible Organics (mg/Kg) | 7560 | | 17900 | | SD-08-02-FW | 2 / 3 | 117 | 8506 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-68
## SEDIMENT DATA SUMMARY - STATION 9
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,1,2-Trichloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,1-Dichloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,1-Dichloroethene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,2-Dichloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 1,2-Dichloropropane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 2-Butanone | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 2-Hexanone | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| 4-Methyl-2-pentanone | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Acetone | | | | | | 0 / 10 | 12 - 21 | 7.7 |
| Benzene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Bromodichloromethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Bromoform | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Bromomethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Carbon Disulfide | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Carbon Tetrachloride | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Chlorobenzene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Chloroethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Chloroform | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Chloromethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| cis-1,3-Dichloropropene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Dibromochloromethane | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Ethylbenzene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Methylene Chloride | | | | | | 0 / 10 | 12 - 24 | 8.5 |
| Styrene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Tetrachloroethene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Toluene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| trans-1,3-Dichloropropene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Trichloroethene | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Vinyl Chloride | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| Xylenes (total) | | | | | | 0 / 10 | 12 - 16 | 6.6 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 10 | 390 - 520 | 217 |
| 1,2-Dichlorobenzene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 1,3-Dichlorobenzene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 1,4-Dichlorobenzene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,4-Dichlorophenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,4-Dimethylphenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,4-Dinitrophenol | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 2,4-Dinitrotoluene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2,6-Dinitrotoluene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2-Chloronaphthalene | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2-Chlorophenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2-Methylnaphthalene | 220 | J | 220 | J | SD-09-06-FW | 1 / 10 | 390 - 520 | 219 |
| 2-Methylphenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 2-Nitroaniline | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 2-Nitrophenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 10 | 390 - 520 | 217 |
| 3-Nitroaniline | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 10 | 390 - 520 | 217 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 4-Chloroaniline | | | | | | 0 / 10 | 390 - 520 | 217 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 10 | 390 - 520 | 217 |

**TABLE 2-68**
**SEDIMENT DATA SUMMARY - STATION 9**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| 4-Nitroaniline | | | | | | 0 / 10 | 980 - 1300 | 543 |
| 4-Nitrophenol | | | | | | 0 / 10 | 980 - 1300 | 543 |
| Acenaphthene | 520 | | 520 | | SD-09-06-FW | 1 / 10 | 390 - 520 | 249 |
| Acenaphthylene | 82 | J | 82 | J | SD-09-06-FW | 1 / 10 | 390 - 520 | 205 |
| Anthracene | 930 | | 930 | | SD-09-06-FW | 1 / 10 | 390 - 520 | 290 |
| Benzo(a)anthracene | 40 | J | 1000 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 212 |
| Benzo(a)pyrene | 45 | J | 1100 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 209 |
| Benzo(b)fluoranthene | 76 | J | 2300 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 396 |
| Benzo(g,h,i)perylene | 44 | J | 290 | J | SD-09-06-FW | 2 / 10 | 390 - 520 | 210 |
| Benzo(k)fluoranthene | 69 | J | 2100 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 361 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 10 | 390 - 520 | 217 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 10 | 390 - 520 | 217 |
| bis(2-Ethylhexyl)phthalate | 64 | J | 390 | J | SD-09-07-FW | 7 / 10 | 390 - 520 | 155 |
| Butylbenzylphthalate | | | | | | 0 / 10 | 390 - 520 | 217 |
| Carbazole | 480 | | 480 | | SD-09-06-FW | 1 / 10 | 390 - 520 | 245 |
| Chrysene | 48 | J | 1400 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 252 |
| Di-n-butylphthalate | | | | | | 0 / 10 | 390 - 520 | 217 |
| Di-n-octylphthalate | | | | | | 0 / 10 | 390 - 520 | 217 |
| Dibenz(a,h)anthracene | 80 | J | 80 | J | SD-09-06-FW | 1 / 10 | 390 - 520 | 205 |
| Dibenzofuran | 500 | | 500 | | SD-09-06-FW | 1 / 10 | 390 - 520 | 247 |
| Diethylphthalate | | | | | | 0 / 10 | 390 - 520 | 217 |
| Dimethylphthalate | | | | | | 0 / 10 | 390 - 520 | 217 |
| Fluoranthene | 42 | J | 1800 | | SD-09-06-FW | 9 / 10 | 410 | 338 |
| Fluorene | 45 | J | 810 | | SD-09-06-FW | 2 / 10 | 390 - 520 | 262 |
| Hexachlorobenzene | | | | | | 0 / 10 | 390 - 520 | 217 |
| Hexachlorobutadiene sv | | | | | | 0 / 10 | 390 - 520 | 217 |
| Hexachlorocyclopentadiene | | | | | | 0 / 10 | 390 - 520 | 217 |
| Hexachloroethane | | | | | | 0 / 10 | 390 - 520 | 217 |
| Indeno(1,2,3-cd)pyrene | 21 | J | 370 | J | SD-09-06-FW | 4 / 10 | 390 - 520 | 188 |
| Isophorone | | | | | | 0 / 10 | 390 - 520 | 217 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 10 | 390 - 520 | 217 |
| N-nitrosodiphenylamine | | | | | | 0 / 10 | 390 - 520 | 217 |
| Naphthalene | 250 | J | 250 | J | SD-09-06-FW | 1 / 10 | 390 - 520 | 222 |
| Nitrobenzene | | | | | | 0 / 10 | 390 - 520 | 217 |
| Pentachlorophenol | | | | | | 0 / 10 | 980 - 1300 | 543 |
| Phenanthrene | 62 | J | 1900 | | SD-09-06-FW | 8 / 10 | 410 - 520 | 306 |
| Phenol | | | | | | 0 / 10 | 390 - 520 | 217 |
| Pyrene | 52 | J | 2200 | | SD-09-06-FW | 9 / 10 | 410 | 371 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 0.46 | J | 83 | | SD-09-07-FW | 9 / 10 | 4.4 | 16 |
| 4,4'-DDE | 0.089 | J | 27 | | SD-09-02-FW | 9 / 10 | 3.9 | 7.6 |
| 4,4'-DDT | 0.29 | J | 19 | | SD-09-07-FW | 10 / 10 | N/A | 4.0 |
| Aldrin | 0.12 | J | 2 | J | SD-09-02-FW | 8 / 10 | 2.1 - 2.3 | 0.62 |
| alpha-BHC | 0.11 | J | 0.46 | J | SD-09-07-FW | 2 / 10 | 2 - 2.7 | 0.92 |
| alpha-Chlordane | 0.28 | J | 1.9 | J | SD-09-07-FW | 7 / 10 | 2 - 2.7 | 0.83 |
| Aroclor 1016 | | | | | | 0 / 10 | 39 - 52 | 22 |
| Aroclor 1221 | | | | | | 0 / 10 | 78 - 110 | 44 |
| Aroclor 1232 | | | | | | 0 / 10 | 39 - 52 | 22 |
| Aroclor 1242 | | | | | | 0 / 10 | 39 - 52 | 22 |
| Aroclor 1248 | | | | | | 0 / 10 | 39 - 52 | 22 |
| Aroclor 1254 | | | | | | 0 / 10 | 39 - 52 | 22 |
| Aroclor 1260 | | | | | | 0 / 10 | 39 - 52 | 22 |
| beta-BHC | 0.1 | J | 0.92 | J | SD-09-07-FW | 5 / 10 | 2 - 2.7 | 0.73 |
| delta-BHC | 0.08 | J | 0.85 | J | SD-09-10-FW | 2 / 10 | 2 - 2.7 | 0.98 |

**TABLE 2-68**
**SEDIMENT DATA SUMMARY - STATION 9**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 0.4 | J | 7 | | SD-09-02-FW | 10 / 10 | N/A | 2.5 |
| Endosulfan I | 0.11 | J | 0.51 | J | SD-09-07-FW | 2 / 10 | 2 - 2.7 | 0.93 |
| Endosulfan II | 0.24 | J | 0.34 | J | SD-09-05-FW | 2 / 10 | 3.9 - 5.2 | 1.8 |
| Endosulfan sulfate | | | | | | 0 / 10 | 3.9 - 5.2 | 2.2 |
| Endrin | 0.1 | J | 1.4 | J | SD-09-07-FW | 6 / 10 | 3.9 - 5.2 | 1.1 |
| Endrin aldehyde | 0.9 | J | 0.9 | J | SD-09-02-FW | 1 / 10 | 3.9 - 5.2 | 2.0 |
| Endrin ketone | | | | | | 0 / 10 | 3.9 - 5.2 | 2.2 |
| gamma-BHC (Lindane) | | | | | | 0 / 10 | 2 - 2.7 | 1.1 |
| gamma-Chlordane | 0.15 | J | 2.4 | | SD-09-07-FW | 7 / 10 | 2 - 2.1 | 0.76 |
| Heptachlor | 0.067 | J | 0.34 | J | SD-09-05-FW | 5 / 10 | 2 - 2.3 | 0.65 |
| Heptachlor epoxide | | | | | | 0 / 10 | 2 - 2.7 | 1.1 |
| Methoxychlor | | | | | | 0 / 10 | 2 - 27 | 10 |
| Toxaphene | | | | | | 0 / 10 | 200 - 270 | 112 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2330 | J | 7270 | J | SD-09-08-FW | 10 / 10 | N/A | 4247 |
| Antimony | 0.64 | | 1.3 | | SD-09-08-FW | 8 / 10 | 0.51 - 0.57 | 0.81 |
| Arsenic | 18.1 | J | 48.5 | J | SD-09-02-FW | 10 / 10 | N/A | 29 |
| Barium | 6 | | 73.9 | | SD-09-10-FW | 10 / 10 | N/A | 21 |
| Beryllium | 0.14 | | 0.24 | | SD-09-03-FW | 7 / 10 | 0.081 - 0.26 | 0.16 |
| Cadmium | 0.19 | | 1.2 | J | SD-09-10-FW | 2 / 10 | 0.5 - 1.5 | 0.49 |
| Calcium | 569 | | 2590 | | SD-09-02-FW | 10 / 10 | N/A | 1418 |
| Chromium | 9.3 | J | 91.8 | J | SD-09-01-FW | 10 / 10 | N/A | 45 |
| Cobalt | 2.7 | | 13.3 | | SD-09-10-FW | 10 / 10 | N/A | 5.9 |
| Copper | 4.2 | J | 102 | J | SD-09-01-FW | 10 / 10 | N/A | 47 |
| Cyanide | | | | | | 0 / 8 | 0.49 - 0.78 | 0.29 |
| Iron | 4910 | J | 30600 | | SD-09-10-FW | 10 / 10 | N/A | 10919 |
| Lead | 2.4 | | 86.8 | | SD-09-01-FW | 10 / 10 | N/A | 30 |
| Magnesium | 922 | J | 4560 | J | SD-09-08-FW | 10 / 10 | N/A | 1970 |
| Manganese | 43.2 | J | 2640 | J | SD-09-10-FW | 10 / 10 | N/A | 365 |
| Mercury | 0.19 | J | 0.68 | J | SD-09-07-FW | 7 / 10 | 0.049 - 0.06 | 0.26 |
| Nickel | 5.7 | | 12.5 | | SD-09-09-FW | 10 / 10 | N/A | 8.0 |
| Potassium | 236 | J | 814 | J | SD-09-03-FW | 10 / 10 | N/A | 506 |
| Selenium | 0.62 | | 0.62 | | SD-09-10-FW | 1 / 10 | 0.45 - 2.6 | 0.43 |
| Silver | | | | | | 0 / 10 | 0.22 - 0.43 | 0.15 |
| Sodium | | | | | | 0 / 10 | 54.9 - 172 | 53 |
| Thallium | 0.68 | | 2.4 | | SD-09-10-FW | 6 / 10 | 0.52 - 1 | 0.92 |
| Vanadium | 6.5 | | 19.3 | | SD-09-08-FW | 10 / 10 | N/A | 11 |
| Zinc | 57.1 | J | 479 | J | SD-09-10-FW | 10 / 10 | N/A | 156 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.36 | J | 0.36 | J | SD-09-10-FW | 1 / 10 | 0.13 - 1.3 | 0.23 |
| Copper | 19 | | 117 | | SD-09-07-FW | 10 / 10 | N/A | 47 |
| Lead | 11 | | 60 | | SD-09-07-FW | 10 / 10 | N/A | 29 |
| Mercury | 0.010 | | 0.030 | | SD-09-09-FW | 5 / 10 | 0.003 - 0.004 | 0.0088 |
| Nickel | 2.7 | J | 120 | | SD-09-10-FW | 8 / 10 | 2.8 - 3.3 | 33 |
| SEM/AVS Ratio | 0 | | 91 | | SD-09-10-FW | 10 / 10 | N/A | 10 |
| Sulfide | 2.6 | | 562 | J | SD-09-03-FW | 9 / 10 | 1.605 | 164 |
| Zinc | 50 | | 269 | | SD-09-10-FW | 10 / 10 | N/A | 121 |
| Total Combustible Organics (mg/Kg) | 3860 | | 3860 | | SD-09-10-FW | 1 / 2 | 117 | 1959 |
| Total Organic Carbon (mg/Kg) | 1050 | | 46200 | | SD-09-02-FW | 5 / 8 | 114 - 121 | 8735 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-69**
**SEDIMENT DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 37 - 44 | 20 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 20 - 330 | 81 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 4 | 20 - 110 | 32 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 35 | 18 |
| 1,1,2-Trichloroethane | | | | | | 0 / 4 | 20 - 110 | 32 |
| 1,1-Dichloroethane | | | | | | 0 / 4 | 20 - 330 | 81 |
| 1,1-Dichloroethene | | | | | | 0 / 4 | 20 - 330 | 81 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 35 | 18 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 35 | 18 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 35 | 18 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 35 | 18 |
| 1,2-Dichloroethane | | | | | | 0 / 4 | 20 - 330 | 81 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 1 | 20 | 10 |
| 1,2-Dichloropropane | | | | | | 0 / 2 | 20 - 35 | 14 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 35 | 18 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 35 | 18 |
| 2-Butanone | | | | | | 0 / 2 | 20 - 35 | 14 |
| 2-Hexanone | | | | | | 0 / 2 | 20 - 35 | 14 |
| 4-Methyl-2-pentanone | | | | | | 0 / 2 | 20 - 35 | 14 |
| Acetone | | | | | | 0 / 2 | 35 - 250 | 87 |
| Benzene | 21 | J | 21 | J | SD-10-02-ME | 1 / 4 | 20 - 44 | 17 |
| Bromodichloromethane | | | | | | 0 / 2 | 20 - 35 | 14 |
| Bromoform | | | | | | 0 / 2 | 20 - 35 | 14 |
| Bromomethane | | | | | | 0 / 2 | 20 - 35 | 14 |
| Carbon Disulfide | 29 | J | 29 | J | SD-10-02-TR | 1 / 2 | 20 - 35 | 20 |
| Carbon Tetrachloride | | | | | | 0 / 2 | 20 - 35 | 14 |
| Chlorobenzene | | | | | | 0 / 2 | 20 - 35 | 14 |
| Chloroethane | | | | | | 0 / 2 | 20 - 35 | 14 |
| Chloroform | | | | | | 0 / 4 | 20 - 110 | 32 |
| Chloromethane | | | | | | 0 / 2 | 20 - 35 | 14 |
| cis-1,2-Dichloroethene | 64 | J | 64 | J | SD-10-01-ME | 1 / 3 | 35 - 110 | 43 |
| cis-1,3-Dichloropropene | | | | | | 0 / 2 | 20 - 35 | 14 |
| Cyclohexane | | | | | | 0 / 1 | 35 | 18 |
| Dibromochloromethane | | | | | | 0 / 2 | 20 - 35 | 14 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 35 | 18 |
| Ethylbenzene | | | | | | 0 / 4 | 20 - 44 | 17 |
| Isopropylbenzene | | | | | | 0 / 1 | 35 | 18 |
| Methyl Acetate | | | | | | 0 / 1 | 35 | 18 |
| Methyl tert-Butyl Ether | | | | | | 0 / 1 | 35 | 18 |
| Methylcyclohexane | | | | | | 0 / 1 | 35 | 18 |
| Methylene chloride | | | | | | 0 / 4 | 21 - 330 | 81 |
| Naphthalene | | | | | | 0 / 2 | 278 - 330 | 148 |
| Styrene | | | | | | 0 / 2 | 20 - 35 | 14 |
| Tetrachloroethene | | | | | | 0 / 4 | 20 - 330 | 81 |
| Toluene | | | | | | 0 / 2 | 20 - 35 | 14 |
| trans-1,2-Dichloroethene | | | | | | 0 / 3 | 35 - 330 | 104 |
| trans-1,3-Dichloropropene | | | | | | 0 / 2 | 20 - 35 | 14 |
| Trichloroethene | 60 | J | 60 | J | SD-10-02-ME | 1 / 4 | 20 - 110 | 35 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 35 | 18 |
| Vinyl chloride | | | | | | 0 / 4 | 20 - 330 | 81 |
| Xylene, m/p- | | | | | | 0 / 3 | 35 - 110 | 39 |
| Xylene, o- | | | | | | 0 / 3 | 35 - 110 | 39 |
| Xylenes (total) | | | | | | 0 / 1 | 20 | 10 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 540 | 270 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 660 | 330 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 660 | 330 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 660 | 330 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 660 | 330 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2-Chlorophenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2-Methylnaphthalene | 33 | J | 33 | J | SD-10-01-ME | 1 / 4 | 10 - 660 | 160 |
| 2-Methylphenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 2-Nitroaniline | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| 2-Nitrophenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 540 - 660 | 300 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 540 | 270 |
| 3-Nitroaniline | | | | | | 0 / 2 | 540 - 1600 | 535 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 540 - 660 | 300 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| 4-Chloroaniline | | | | | | 0 / 2 | 540 - 660 | 300 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 540 - 660 | 300 |
| 4-Methylphenol | | | | | | 0 / 1 | 660 | 330 |
| 4-Nitroaniline | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| 4-Nitrophenol | | | | | | 0 / 2 | 1300 - 1600 | 725 |

**TABLE 2-69**
**SEDIMENT DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 13 | | 29 | J | SD-10-01-ME | 2 / 4 | 10 - 660 | 161 |
| Acenaphthylene | 13 | J | 20 | J | SD-10-01-ME | 2 / 4 | 10 - 660 | 158 |
| Acetophenone | | | | | | 0 / 1 | 540 | 270 |
| Anthracene | 49 | J | 96.5 | J | SD-10-01-ME | 2 / 4 | 67 - 660 | 186 |
| Atrazine | | | | | | 0 / 1 | 540 | 270 |
| Benzaldehyde | | | | | | 0 / 1 | 540 | 270 |
| Benzo(a)anthracene | 210 | | 580 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 348 |
| Benzo(a)pyrene | 250 | | 620 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 368 |
| Benzo(b)fluoranthene | 290 | J | 965 | J | SD-10-01-ME | 4 / 6 | 67 - 660 | 459 |
| Benzo(g,h,i)perylene | 200 | | 365 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 291 |
| Benzo(k)fluoranthene | 220 | J | 550 | J | SD-10-02-FW | 4 / 6 | 67 - 660 | 362 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 540 - 660 | 300 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 540 - 660 | 300 |
| bis(2-Ethylhexyl)phthalate | 120 | J | 730 | J | SD-10-02-FW | 3 / 4 | 540 | 433 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 540 - 660 | 300 |
| Caprolactam | | | | | | 0 / 1 | 540 | 270 |
| Carbazole | | | | | | 0 / 2 | 540 - 660 | 300 |
| Chrysene | 380 | | 650 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 408 |
| Dibenz(a,h)anthracene | 69 | | 125 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 199 |
| Dibenzofuran | | | | | | 0 / 2 | 540 - 660 | 300 |
| Diethylphthalate | | | | | | 0 / 2 | 540 - 660 | 300 |
| Dimethylphthalate | | | | | | 0 / 2 | 540 - 660 | 300 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 540 - 660 | 300 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 540 - 660 | 300 |
| Fluoranthene | 85 | J | 1950 | J | SD-10-01-ME | 5 / 6 | 67 - 540 | 586 |
| Fluorene | 72 | J | 115 | J | SD-10-01-ME | 2 / 4 | 10 - 660 | 197 |
| Hexachlorobenzene | | | | | | 0 / 2 | 540 - 660 | 300 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 540 - 660 | 300 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 540 - 660 | 300 |
| Hexachloroethane | | | | | | 0 / 2 | 540 - 660 | 300 |
| Indeno(1,2,3-cd)pyrene | 190 | | 405 | | SD-10-01-ME | 2 / 4 | 67 - 660 | 299 |
| Isophorone | | | | | | 0 / 2 | 540 - 660 | 300 |
| Naphthalene | 26 | J | 71 | J | SD-10-01-ME | 2 / 4 | 67 - 660 | 174 |
| Nitrobenzene | | | | | | 0 / 2 | 540 - 660 | 300 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 540 - 660 | 300 |
| N-nitrosodiphenylamine | 400 | J | 560 | J | SD-10-01-FW | 3 / 4 | 540 | 420 |
| Pentachlorophenol | | | | | | 0 / 2 | 1300 - 1600 | 725 |
| Phenanthrene | 210 | | 690 | J | SD-10-01-ME | 2 / 4 | 67 - 660 | 375 |
| Phenol | | | | | | 0 / 2 | 540 - 660 | 300 |
| Pyrene | 99 | J | 1650 | J | SD-10-01-ME | 5 / 6 | 67 - 540 | 569 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.35 - 3.4 | 0.91 |
| 4,4'-DDD | 17 | | 179 | J | SD-10-01-ME | 4 / 6 | 0.35 - 6.6 | 74 |
| 4,4'-DDE | 0.85 | J | 160 | J | SD-10-01-ME | 5 / 6 | 0.35 - 4.2 | 54 |
| 4,4'-DDT | 0.93 | J | 3.5 | J | SD-10-01-ME | 4 / 6 | 0.35 - 4.2 | 1.9 |
| Aldrin | 18 | J | 18 | J | SD-10-01-ME | 1 / 4 | 0.17 - 3.4 | 5.2 |

**TABLE 2-69**
**SEDIMENT DATA SUMMARY - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | | | | | | 0 / 4 | 0.17 - 3.4 | 0.9 |
| alpha-Chlordane | 0.92 | J | 29.5 | J | SD-10-01-ME | 5 / 6 | 0.17 - 2.1 | 9 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.3 - 66 | 14 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.6 - 130 | 28 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.3 - 66 | 14 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.3 - 66 | 14 |
| Aroclor 1248 | 47 | J | 560 | J | SD-10-01-ME | 2 / 4 | 3.4 - 66 | 165 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.3 - 66 | 14 |
| Aroclor 1260 | 44 | | 320 | J | SD-10-01-ME | 2 / 4 | 3.4 - 66 | 105 |
| beta-BHC | | | | | | 0 / 4 | 0.17 - 3.4 | 0.92 |
| delta-BHC | 0.14 | J | 0.14 | J | SD-10-03-FW | 1 / 4 | 0.17 - 2.1 | 0.53 |
| Dieldrin | 0.55 | J | 14 | J | SD-10-01-ME | 4 / 6 | 0.35 - 4.2 | 4.1 |
| Endosulfan I | | | | | | 0 / 4 | 0.17 - 3.4 | 0.92 |
| Endosulfan II | | | | | | 0 / 4 | 0.35 - 6.6 | 1.8 |
| Endosulfan Sulfate | | | | | | 0 / 4 | 0.35 - 6.6 | 1.8 |
| Endrin | 0.61 | J | 5.8 | J | SD-10-01-ME | 2 / 4 | 0.35 - 6.6 | 3.0 |
| Endrin Aldehyde | 1.7 | J | 11.7 | J | SD-10-01-ME | 2 / 4 | 0.35 - 6.6 | 4.7 |
| Endrin Ketone | | | | | | 0 / 4 | 0.35 - 6.6 | 1.8 |
| gamma-BHC (Lindane) | | | | | | 0 / 4 | 0.17 - 3.4 | 0.92 |
| gamma-Chlordane | 0.25 | J | 20.5 | J | SD-10-01-ME | 5 / 6 | 0.17 - 2.1 | 8.0 |
| Heptachlor | | | | | | 0 / 4 | 0.17 - 3.4 | 0.92 |
| Heptachlor Epoxide | 0.54 | J | 1.575 | J | SD-10-01-ME | 2 / 4 | 0.17 - 3.4 | 1.2 |
| Methoxychlor | | | | | | 0 / 4 | 1.7 - 34 | 9.2 |
| Toxaphene | | | | | | 0 / 4 | 17 - 340 | 92 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 7690 | | 29300 | J | SD-10-02-FW | 6 / 6 | 3.5 - 9.14 | 23990 |
| Antimony | 3.1 | | 39.7 | | SD-10-02-TR | 6 / 6 | 0.26 - 0.74 | 14.6 |
| Arsenic | 187 | J | 2180 | | SD-10-02-TR | 6 / 6 | 0.22 - 1 | 863 |
| Barium | 32.4 | | 112.6 | | SD-10-01-ME | 6 / 6 | 0.018 - 0.4 | 69 |
| Beryllium | 0.48 | | 2.05 | | SD-10-01-ME | 6 / 6 | 0.027 - 0.2 | 1.5 |
| Cadmium | 5.9 | | 21.15 | J | SD-10-01-FW | 6 / 6 | 0.037 - 0.6 | 13 |
| Calcium | 5800 | J | 11250 | J | SD-10-01-FW | 6 / 6 | 1.6 - 2.14 | 9318 |
| Chromium | 114 | J | 3435 | | SD-10-01-ME | 6 / 6 | 0.055 - 1 | 1376 |
| Cobalt | 11.2 | | 40.3 | | SD-10-01-ME | 6 / 6 | 0.36 - 0.48 | 22 |
| Copper | 298 | | 2315 | | SD-10-01-ME | 6 / 6 | 0.082 - 0.44 | 1707 |
| Cyanide | | | | | | 0 / 1 | 0.91 | 0.46 |
| Iron | 10800 | | 51650 | | SD-10-01-ME | 6 / 6 | 0.57 - 1.4 | 33225 |
| Lead | 130 | J | 881 | | SD-10-01-ME | 6 / 6 | 0.26 - 0.6 | 590 |
| Magnesium | 1490 | J | 2270 | | SD-10-01-ME | 6 / 6 | 0.82 - 15.18 | 1838 |
| Manganese | 388 | J | 727 | | SD-10-02-TR | 6 / 6 | 0.018 - 0.24 | 532 |
| Mercury | 0.19 | J | 24.2 | | SD-10-02-ME | 6 / 6 | 0.0049 - 0.02 | 11 |
| Nickel | 13.3 | | 45.75 | | SD-10-01-ME | 6 / 6 | 0.15 - 0.8 | 27 |
| Potassium | 256 | | 737 | | SD-10-01-ME | 5 / 6 | 2.7 - 345 | 434 |
| Selenium | 1.9 | J | 11.5 | | SD-10-02-ME | 6 / 6 | 0.4 - 1 | 6.8 |
| Silver | 0.395 | J | 0.57 | J | SD-10-02-ME | 2 / 4 | 0.0094 - 1 | 0.44 |
| Sodium | 282 | | 1300 | | SD-10-02-TR | 5 / 6 | 0.22 - 642 | 687 |
| Thallium | | | | | | 0 / 4 | 0.042 - 1.7 | 0.68 |
| Vanadium | 21.4 | | 76.95 | | SD-10-01-ME | 6 / 6 | 0.073 - 0.64 | 53 |
| Zinc | 1410 | J | 4020 | | SD-10-01-ME | 6 / 6 | 0.16 - 1.7 | 2191 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 88 | J | 339 | J | SD-10-02-ME | 2 / 2 | N/A | 214 |
| Cadmium | 8.3 | | 27 | J | SD-10-01-FW | 5 / 6 | 5.6 | 12 |
| Copper | 4.0 | J | 1150 | | SD-10-02-FW | 6 / 6 | N/A | 491 |
| Lead | 139 | | 906 | | SD-10-02-FW | 6 / 6 | N/A | 509 |
| Mercury | 1.2 | J | 1.2 | J | SD-10-02-TR | 1 / 4 | 0.01 - 0.02 | 0.31 |
| Nickel | 13 | J | 109 | | SD-10-03-FW | 4 / 6 | 113 - 193 | 54 |
| SEM/AVS Ratio | 0.35 | | 7.1 | | SD-10-02-TR | 6 / 6 | N/A | 2.1 |
| Sulfide | 165 | | 6853 | | SD-10-01-FW | 6 / 6 | N/A | 2141 |
| Zinc | 630 | J | 3645 | | SD-10-01-FW | 6 / 6 | N/A | 2005 |
| | | | | | | | | |
| Total Combustible Organics (mg/Kg) | 97300 | | 465000 | J | SD-10-01-ME | 5 / 5 | 2000 | 303360 |
| Total Organic Carbon (mg/Kg) | 680000 | | 680000 | | SD-10-02-TR | 1 / 1 | 250 | 680000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-70
## SEDIMENT DATA SUMMARY - STATION 11
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 23 | 12 |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 27 - 171 | 38 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 27 - 57 | 19 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 27 - 57 | 19 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 27 - 171 | 38 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 27 - 171 | 38 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 27 - 171 | 38 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 2 | 27 - 28 | 14 |
| 1,2-Dichloropropane | | | | | | 0 / 2 | 27 - 28 | 14 |
| 2-Butanone | 120 | J | 200 | J | SD-11-02-FW | 2 / 3 | 28 | 111 |
| 2-Hexanone | | | | | | 0 / 2 | 27 - 28 | 14 |
| 4-Methyl-2-pentanone | | | | | | 0 / 2 | 27 - 28 | 14 |
| Acetone | | | | | | 0 / 2 | 260 - 430 | 173 |
| Benzene | | | | | | 0 / 3 | 23 - 28 | 13 |
| Bromodichloromethane | | | | | | 0 / 2 | 27 - 28 | 14 |
| Bromoform | | | | | | 0 / 2 | 27 - 28 | 14 |
| Bromomethane | | | | | | 0 / 2 | 27 - 28 | 14 |
| Carbon Disulfide | | | | | | 0 / 2 | 27 - 28 | 14 |
| Carbon Tetrachloride | | | | | | 0 / 2 | 27 - 28 | 14 |
| Chlorobenzene | | | | | | 0 / 2 | 27 - 28 | 14 |
| Chloroethane | | | | | | 0 / 2 | 27 - 28 | 14 |
| Chloroform | | | | | | 0 / 3 | 27 - 154 | 35 |
| Chloromethane | | | | | | 0 / 2 | 27 - 28 | 14 |
| cis-1,2-Dichloroethene | 170 | J | 170 | J | SD-11-01-ME | 1 / 1 | 57 | 170 |
| cis-1,3-Dichloropropene | | | | | | 0 / 2 | 27 - 28 | 14 |
| Dibromochloromethane | | | | | | 0 / 2 | 27 - 28 | 14 |
| Ethylbenzene | | | | | | 0 / 3 | 23 - 28 | 13 |
| Methylene chloride | | | | | | 0 / 3 | 27 - 171 | 40 |
| Naphthalene | | | | | | 0 / 1 | 171 | 86 |
| Styrene | | | | | | 0 / 2 | 27 - 28 | 14 |
| Tetrachloroethene | | | | | | 0 / 3 | 27 - 171 | 38 |
| Toluene | | | | | | 0 / 2 | 27 - 28 | 14 |
| trans-1,2-Dichloroethene | 387 | | 387 | | SD-11-01-ME | 1 / 1 | 171 | 387 |
| trans-1,3-Dichloropropene | | | | | | 0 / 2 | 27 - 28 | 14 |
| Trichloroethene | | | | | | 0 / 3 | 27 - 103 | 26 |
| Vinyl chloride | 255 | J | 255 | J | SD-11-01-ME | 1 / 3 | 27 - 255 | 94 |
| Xylene, m/p- | | | | | | 0 / 1 | 57 | 29 |
| Xylene, o- | | | | | | 0 / 1 | 57 | 29 |
| Xylenes (total) | | | | | | 0 / 2 | 27 - 28 | 14 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 2 | 890 - 910 | 450 |
| 1,2-Dichlorobenzene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 1,3-Dichlorobenzene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 1,4-Dichlorobenzene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2-Chlorophenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2-Methylnaphthalene | 16 | J | 16 | J | SD-11-01-ME | 1 / 3 | 1 - 910 | 305 |
| 2-Methylphenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 2-Nitroaniline | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| 2-Nitrophenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 890 - 910 | 450 |
| 3-Nitroaniline | | | | | | 0 / 2 | 2200 - 2300 | 1125 |

**TABLE 2-70**
**SEDIMENT DATA SUMMARY - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 890 - 910 | 450 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 4-Chloroaniline | | | | | | 0 / 2 | 890 - 910 | 450 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 890 - 910 | 450 |
| 4-Methylphenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| 4-Nitroaniline | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| 4-Nitrophenol | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| Acenaphthene | 8 | J | 8 | J | SD-11-01-ME | 1 / 3 | 1 - 910 | 303 |
| Acenaphthylene | 9 | J | 9 | J | SD-11-01-ME | 1 / 3 | 67 - 910 | 303 |
| Anthracene | 54 | J | 54 | J | SD-11-01-ME | 1 / 3 | 67 - 910 | 318 |
| Benzo(a)anthracene | 120 | J | 410 | | SD-11-01-ME | 3 / 4 | 67 - 890 | 321 |
| Benzo(a)pyrene | 220 | J | 520 | | SD-11-01-ME | 2 / 4 | 67 - 910 | 410 |
| Benzo(b)fluoranthene | 120 | J | 870 | J | SD-11-02-FW | 4 / 4 | 67 | 530 |
| Benzo(g,h,i)perylene | 260 | J | 300 | | SD-11-01-ME | 2 / 4 | 67 - 910 | 365 |
| Benzo(k)fluoranthene | 110 | J | 840 | J | SD-11-02-FW | 4 / 4 | 67 | 500 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 890 - 910 | 450 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 890 - 910 | 450 |
| bis(2-Ethylhexyl)phthalate | 140 | J | 8100 | J | SD-11-02-FW | 3 / 3 | N/A | 2897 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 890 - 910 | 450 |
| Carbazole | | | | | | 0 / 2 | 890 - 910 | 450 |
| Chrysene | 180 | J | 670 | | SD-11-01-ME | 3 / 4 | 67 - 890 | 424 |
| Dibenz(a,h)anthracene | 99 | | 99 | | SD-11-01-ME | 1 / 3 | 67 - 910 | 333 |
| Dibenzofuran | | | | | | 0 / 2 | 890 - 910 | 450 |
| Diethylphthalate | | | | | | 0 / 2 | 890 - 910 | 450 |
| Dimethylphthalate | | | | | | 0 / 2 | 890 - 910 | 450 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 890 - 910 | 450 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 890 - 910 | 450 |
| Fluoranthene | 300 | J | 1000 | | SD-11-01-ME | 3 / 4 | 67 - 890 | 614 |
| Fluorene | 57 | J | 57 | J | SD-11-01-ME | 1 / 3 | 1 - 910 | 319 |
| Hexachlorobenzene | | | | | | 0 / 2 | 890 - 910 | 450 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 890 - 910 | 450 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 890 - 910 | 450 |
| Hexachloroethane | | | | | | 0 / 2 | 890 - 910 | 450 |
| Indeno(1,2,3-cd)pyrene | 270 | J | 360 | | SD-11-01-ME | 2 / 4 | 67 - 910 | 383 |
| Isophorone | | | | | | 0 / 2 | 890 - 910 | 450 |
| Naphthalene | 32 | J | 32 | J | SD-11-01-ME | 1 / 3 | 1 - 910 | 311 |
| Nitrobenzene | | | | | | 0 / 2 | 890 - 910 | 450 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 890 - 910 | 450 |
| N-nitrosodiphenylamine | 410 | J | 540 | J | SD-11-02-FW | 2 / 3 | 910 | 468 |
| Pentachlorophenol | | | | | | 0 / 2 | 2200 - 2300 | 1125 |
| Phenanthrene | 120 | J | 260 | | SD-11-01-ME | 3 / 4 | 67 - 890 | 264 |
| Phenol | | | | | | 0 / 2 | 890 - 910 | 450 |
| Pyrene | 100 | J | 950 | | SD-11-01-ME | 4 / 4 | 67 | 480 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 0.33 | 0.17 |
| 4,4'-DDD | 45 | J | 45 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 18 |
| 4,4'-DDE | 0.76 | J | 15 | J | SD-11-01-ME | 4 / 4 | 0.33 | 6.7 |
| 4,4'-DDT | 0.5 | J | 1.9 | J | SD-11-01-ME | 4 / 4 | 0.33 | 1.1 |
| Aldrin | 0.59 | J | 0.59 | J | SD-11-03-FW | 1 / 3 | 0.16 - 4.6 | 1.0 |
| alpha-BHC | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |
| alpha-Chlordane | 0.62 | J | 8.1 | J | SD-11-01-ME | 3 / 4 | 0.16 - 4.6 | 3.4 |
| Aroclor 1016 | | | | | | 0 / 3 | 3.3 - 92 | 31 |
| Aroclor 1221 | | | | | | 0 / 3 | 6.5 - 190 | 63 |
| Aroclor 1232 | | | | | | 0 / 3 | 3.3 - 92 | 31 |
| Aroclor 1242 | | | | | | 0 / 3 | 3.3 - 92 | 31 |
| Aroclor 1248 | 180 | J | 180 | J | SD-11-01-ME | 1 / 3 | 3.3 - 92 | 90 |
| Aroclor 1254 | | | | | | 0 / 3 | 3.3 - 92 | 31 |
| Aroclor 1260 | 17 | J | 230 | | SD-11-01-ME | 3 / 4 | 3.3 - 92 | 89 |
| beta-BHC | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |

**TABLE 2-70**
**SEDIMENT DATA SUMMARY - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |
| Dieldrin | 1.4 | J | 1.4 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 3.5 |
| Endosulfan I | 0.44 | J | 0.44 | J | SD-11-01-ME | 1 / 3 | 0.16 - 4.7 | 1.7 |
| Endosulfan II | 0.51 | J | 0.51 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 3.2 |
| Endosulfan Sulfate | 0.72 | J | 0.72 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 3.3 |
| Endrin | 0.69 | J | 0.69 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 3.2 |
| Endrin Aldehyde | 1.7 | J | 1.7 | J | SD-11-01-ME | 1 / 3 | 0.33 - 9.2 | 3.6 |
| Endrin Ketone | | | | | | 0 / 3 | 0.33 - 9.2 | 3.1 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |
| gamma-Chlordane | 0.34 | J | 5.6 | J | SD-11-01-ME | 4 / 4 | 0.16 | 2.3 |
| Heptachlor | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |
| Heptachlor Epoxide | | | | | | 0 / 3 | 0.16 - 4.7 | 1.6 |
| Methoxychlor | | | | | | 0 / 3 | 1.6 - 47 | 16 |
| Toxaphene | | | | | | 0 / 3 | 16 - 470 | 158 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5090 | | 14800 | | SD-11-01-FW | 4 / 4 | 3.5 | 10673 |
| Antimony | 1.2 | | 8.4 | | SD-11-01-FW | 3 / 4 | 0.27 - 1.5 | 3.3 |
| Arsenic | 121 | | 874 | J | SD-11-01-FW | 4 / 4 | 0.22 | 434 |
| Barium | 24.6 | | 149 | | SD-11-01-ME | 4 / 4 | 0.018 | 67 |
| Beryllium | 0.38 | | 1.1 | | SD-11-01-FW | 4 / 4 | 0.028 | 0.74 |
| Cadmium | 3.3 | | 9.5 | | SD-11-01-ME | 4 / 4 | 0.35 | 6.2 |
| Calcium | 1870 | J | 5800 | | SD-11-01-ME | 4 / 4 | 1.7 | 4013 |
| Chromium | 303 | J | 900 | J | SD-11-02-FW | 4 / 4 | 0.055 | 578 |
| Cobalt | 8.1 | | 25.3 | J | SD-11-01-ME | 4 / 4 | 0.38 | 17 |
| Copper | 172 | | 619 | | SD-11-01-FW | 4 / 4 | 0.083 | 369 |
| Cyanide | | | | | | 0 / 3 | 0.97 - 2 | 0.68 |
| Iron | 23800 | | 49900 | | SD-11-01-FW | 4 / 4 | 0.57 | 35300 |
| Lead | 100 | J | 606 | J | SD-11-01-ME | 4 / 4 | 0.27 | 250 |
| Magnesium | 561 | | 2980 | | SD-11-01-ME | 4 / 4 | 3.5 | 1494 |
| Manganese | 139 | J | 1630 | J | SD-11-03-FW | 4 / 4 | 0.018 | 680 |
| Mercury | 1.1 | | 4.5 | | SD-11-01-FW | 4 / 4 | 0.0051 | 2.8 |
| Nickel | 9.3 | | 32.8 | J | SD-11-01-ME | 4 / 4 | 0.15 | 17 |
| Potassium | 233 | | 956 | J | SD-11-01-ME | 4 / 4 | 2.7 | 513 |
| Selenium | 2.4 | | 4.4 | | SD-11-01-FW | 4 / 4 | 0.053 | 3.1 |
| Silver | 0.92 | J | 0.92 | J | SD-11-01-ME | 1 / 4 | 0.01 - 0.85 | 0.49 |
| Sodium | 211 | | 486 | | SD-11-03-FW | 4 / 4 | 0.22 | 387 |
| Thallium | | | | | | 0 / 4 | 0.039 - 2 | 0.68 |
| Vanadium | 16.3 | | 58.8 | | SD-11-01-ME | 4 / 4 | 0.074 | 32 |
| Zinc | 830 | J | 2850 | J | SD-11-01-FW | 4 / 4 | 0.17 | 1823 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 223 | J | 223 | J | SD-11-01-ME | 1 / 1 | N/A | 223 |
| Cadmium | 1.7 | | 30 | | SD-11-01-FW | 3 / 4 | 11.2 | 14 |
| Copper | 75 | | 1270 | | SD-11-02-FW | 4 / 4 | N/A | 440 |
| Lead | 59 | J | 660 | | SD-11-02-FW | 4 / 4 | N/A | 284 |
| Mercury | | | | | | 0 / 4 | 0.01 - 10.03 | 1.3 |
| Nickel | 26 | J | 26 | J | SD-11-01-ME | 1 / 4 | 10.8 - 68.9 | 20 |
| SEM/AVS Ratio | 0.13 | | 1.9 | | SD-11-01-FW | 4 / 4 | N/A | 1.1 |
| Sulfide | 469 | J | 26964 | | SD-11-02-FW | 4 / 4 | N/A | 7775 |
| Zinc | 849 | | 11800 | | SD-11-01-FW | 4 / 4 | N/A | 4906 |
| Total Combustible Organics | 36700 | | 387000 | J | SD-11-01-ME | 4 / 4 | 2000 | 148650 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-71**
**SEDIMENT DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 16 - 41 | 14 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 22 - 309 | 68 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 22 - 103 | 28 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 22 - 103 | 28 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 22 - 309 | 76 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 22 - 309 | 76 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 22 - 309 | 76 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 1 | 22 | 11 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 22 | 11 |
| 2-Butanone | 87 | J | 87 | J | SD-12-02-FW | 1 / 2 | 22 | 49 |
| 2-Hexanone | | | | | | 0 / 1 | 22 | 11 |
| 4-Methyl-2-pentanone | | | | | | 0 / 1 | 22 | 11 |
| Acetone | 370 | J | 370 | J | SD-12-03-TR | 1 / 2 | 56 - 89 | 199 |
| Benzene | 9 | J | 9 | J | SD-12-03-ME | 1 / 3 | 16 - 41 | 14 |
| Bromodichloromethane | | | | | | 0 / 1 | 22 | 11 |
| Bromoform | | | | | | 0 / 1 | 22 | 11 |
| Bromomethane | | | | | | 0 / 1 | 22 | 11 |
| Carbon Disulfide | | | | | | 0 / 1 | 22 | 11 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 22 | 11 |
| Chlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| Chloroethane | | | | | | 0 / 1 | 22 | 11 |
| Chloroform | | | | | | 0 / 3 | 22 - 103 | 28 |
| Chloromethane | | | | | | 0 / 1 | 22 | 11 |
| cis-1,2-Dichloroethene | 25 | J | 417 | J | SD-12-01-ME | 2 / 2 | 41 - 103 | 221 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 22 | 11 |
| Dibromochloromethane | | | | | | 0 / 1 | 22 | 11 |
| Ethylbenzene | | | | | | 0 / 3 | 16 - 41 | 13 |
| Methylene Chloride | | | | | | 0 / 4 | 22 - 309 | 68 |
| Naphthalene | | | | | | 0 / 2 | 124 - 309 | 108 |
| Styrene | | | | | | 0 / 1 | 22 | 11 |
| Tetrachloroethene | | | | | | 0 / 3 | 22 - 309 | 76 |
| Toluene | | | | | | 0 / 1 | 22 | 11 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 124 - 309 | 108 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 22 | 11 |
| Trichloroethene | 53 | J | 53 | J | SD-12-01-ME | 1 / 3 | 22 - 103 | 28 |
| Vinyl Chloride | | | | | | 0 / 3 | 22 - 309 | 76 |
| Xylene, m/p- | | | | | | 0 / 2 | 41 - 103 | 36 |
| Xylene, o- | | | | | | 0 / 2 | 41 - 103 | 36 |
| Xylenes (total) | | | | | | 0 / 1 | 22 | 11 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 390 | 195 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 730 | 365 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 730 | 365 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 730 | 365 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 730 | 365 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 980 - 1800 | 695 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 980 - 1800 | 695 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2-Chlorophenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2-Methylnaphthalene | 13 | J | 25 | J | SD-12-03-ME | 2 / 4 | 1 - 730 | 150 |
| 2-Methylphenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 2-Nitroaniline | | | | | | 0 / 2 | 980 - 1800 | 695 |
| 2-Nitrophenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 390 - 730 | 280 |

**TABLE 2-71**
**SEDIMENT DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3-Nitroaniline | | | | | | 0 / 2 | 390 - 1800 | 548 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 980 - 1800 | 695 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 390 - 730 | 280 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| 4-Chloroaniline | | | | | | 0 / 2 | 390 - 730 | 280 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 390 - 730 | 280 |
| 4-Methylphenol | | | | | | 0 / 1 | 730 | 365 |
| 4-Nitroaniline | | | | | | 0 / 2 | 980 - 1800 | 695 |
| 4-Nitrophenol | | | | | | 0 / 2 | 980 - 1800 | 695 |
| Acenaphthene | 10 | J | 15 | J | SD-12-03-ME | 2 / 4 | 1 - 730 | 146 |
| Acenaphthylene | 19 | J | 23 | J | SD-12-03-ME | 2 / 4 | 1 - 730 | 151 |
| Acetophenone | | | | | | 0 / 1 | 390 | 195 |
| Anthracene | 69 | J | 79 | | SD-12-03-ME | 2 / 4 | 67 - 730 | 177 |
| Atrazine | | | | | | 0 / 1 | 390 | 195 |
| Benzaldehyde | | | | | | 0 / 1 | 390 | 195 |
| Benzo(a)anthracene | 140 | J | 560 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 307 |
| Benzo(a)pyrene | 160 | J | 1000 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 430 |
| Benzo(b)fluoranthene | 350 | J | 1500 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 798 |
| Benzo(g,h,i)perylene | 280 | J | 640 | J | SD-12-01-ME | 3 / 4 | 67 - 730 | 394 |
| Benzo(k)fluoranthene | 350 | J | 800 | J | SD-12-01-FW | 6 / 6 | 67 - 390 | 510 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 390 - 730 | 280 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 390 - 730 | 280 |
| bis(2-Ethylhexyl)phthalate | 260 | J | 660 | J | SD-12-01-FW | 4 / 4 | 390 | 443 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 390 - 730 | 280 |
| Caprolactam | | | | | | 0 / 1 | 390 | 195 |
| Carbazole | | | | | | 0 / 2 | 390 - 730 | 280 |
| Chrysene | 180 | J | 850 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 467 |
| Dibenz(a,h)anthracene | 150 | | 320 | J | SD-12-01-ME | 2 / 4 | 2 - 730 | 258 |
| Dibenzofuran | | | | | | 0 / 2 | 390 - 730 | 280 |
| Diethylphthalate | | | | | | 0 / 2 | 390 - 730 | 280 |
| Dimethylphthalate | | | | | | 0 / 2 | 390 - 730 | 280 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 390 - 730 | 280 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 390 - 730 | 280 |
| Fluoranthene | 260 | J | 1200 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 688 |
| Fluorene | 47 | J | 78 | J | SD-12-03-ME | 2 / 4 | 1 - 730 | 171 |
| Hexachlorobenzene | | | | | | 0 / 2 | 390 - 730 | 280 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 390 - 730 | 280 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 390 - 730 | 280 |
| Hexachloroethane | | | | | | 0 / 2 | 390 - 730 | 280 |
| Indeno(1,2,3-cd)pyrene | 79 | J | 740 | J | SD-12-01-ME | 5 / 5 | 67 - 390 | 314 |
| Isophorone | | | | | | 0 / 2 | 390 - 730 | 280 |
| Naphthalene | 26 | J | 120 | J | SD-12-03-ME | 2 / 4 | 1 - 730 | 177 |
| Nitrobenzene | | | | | | 0 / 2 | 390 - 730 | 280 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 390 - 730 | 280 |
| N-nitrosodiphenylamine | 100 | J | 100 | J | SD-12-03-FW | 1 / 2 | 390 | 148 |
| Pentachlorophenol | | | | | | 0 / 2 | 980 - 1800 | 695 |
| Phenanthrene | 230 | J | 570 | J | SD-12-01-ME | 4 / 5 | 67 - 730 | 373 |
| Phenol | | | | | | 0 / 2 | 390 - 730 | 280 |
| Pyrene | 220 | J | 1000 | J | SD-12-01-ME | 6 / 6 | 67 - 390 | 622 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.32 - 0.33 | 0.16 |
| 4,4'-DDD | 1.9 | | 17 | | SD-12-01-ME | 3 / 4 | 0.32 - 3.1 | 5.7 |
| 4,4'-DDE | 0.52 | J | 4.4 | J | SD-12-03-FW | 6 / 6 | 0.32 - 3.1 | 2.1 |
| 4,4'-DDT | 0.53 | J | 1.3 | J | SD-12-01-ME | 3 / 5 | 0.32 - 7.3 | 1.6 |
| Aldrin | 0.51 | J | 0.51 | J | SD-12-03-FW | 1 / 4 | 0.16 - 1.6 | 0.37 |
| alpha-BHC | | | | | | 0 / 4 | 0.16 - 3.8 | 0.72 |
| alpha-Chlordane | 1.1 | J | 2.4 | J | SD-12-01-ME | 4 / 5 | 0.16 - 1.6 | 1.5 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.2 - 73 | 14 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.5 - 150 | 28 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.2 - 73 | 14 |

**TABLE 2-71**
**SEDIMENT DATA SUMMARY - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1242 | | | | | | 0 / 4 | 3.2 - 73 | 14 |
| Aroclor 1248 | 15 | J | 28 | J | SD-12-01-ME | 2 / 4 | 3.2 - 73 | 24 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.2 - 73 | 14 |
| Aroclor 1260 | 18 | | 58 | | SD-12-01-ME | 2 / 4 | 3.2 - 73 | 32 |
| beta-BHC | 0.71 | J | 1.7 | J | SD-12-01-FW | 2 / 6 | 0.16 - 3.8 | 0.88 |
| delta-BHC | | | | | | 0 / 4 | 0.16 - 3.8 | 0.72 |
| Dieldrin | 0.42 | J | 1.5 | J | SD-12-03-FW | 4 / 6 | 0.32 - 3.1 | 0.95 |
| Endosulfan I | 0.62 | J | 0.62 | J | SD-12-03-FW | 1 / 4 | 0.16 - 1.6 | 0.40 |
| Endosulfan II | 0.69 | J | 0.69 | J | SD-12-01-FW | 1 / 5 | 0.32 - 7.3 | 1.2 |
| Endosulfan sulfate | | | | | | 0 / 4 | 0.32 - 7.3 | 1.4 |
| Endrin | 0.21 | J | 2.6 | J | SD-12-03-FW | 5 / 6 | 0.32 - 3.1 | 1.4 |
| Endrin aldehyde | 0.87 | J | 1.8 | J | SD-12-01-ME | 3 / 4 | 0.32 - 3.1 | 1.3 |
| Endrin ketone | | | | | | 0 / 4 | 0.32 - 7.3 | 1.4 |
| gamma-BHC (Lindane) | 0.23 | J | 0.34 | J | SD-12-03-ME | 2 / 4 | 0.16 - 3.8 | 0.82 |
| gamma-Chlordane | 0.34 | J | 1.7 | J | SD-12-03-FW | 5 / 6 | 0.16 - 1.6 | 1.1 |
| Heptachlor | | | | | | 0 / 4 | 0.16 - 3.8 | 0.72 |
| Heptachlor epoxide | 0.27 | J | 0.46 | J | SD-12-01-ME | 2 / 4 | 0.16 - 3.8 | 1 |
| Methoxychlor | | | | | | 0 / 4 | 1.6 - 38 | 7.2 |
| Toxaphene | | | | | | 0 / 4 | 16 - 380 | 72 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4560 | | 27500 | | SD-12-03-ME | 6 / 6 | 3.5 - 9.14 | 15280 |
| Antimony | 19.2 | | 117 | J | SD-12-03-ME | 4 / 5 | 0.27 - 0.95 | 45 |
| Arsenic | 38.4 | | 4550 | | SD-12-03-ME | 6 / 6 | 0.22 - 1 | 1736 |
| Barium | 19.6 | | 121 | | SD-12-03-TR | 6 / 6 | 0.019 - 0.4 | 57 |
| Beryllium | 0.55 | | 2 | | SD-12-01-ME | 4 / 5 | 0.028 - 0.49 | 1.2 |
| Cadmium | 1.3 | | 13.5 | | SD-12-03-TR | 6 / 6 | 0.037 - 0.6 | 7.3 |
| Calcium | 2230 | | 8920 | | SD-12-01-ME | 6 / 6 | 1.7 - 2.14 | 5523 |
| Chromium | 42.1 | J | 2120 | | SD-12-01-ME | 6 / 6 | 0.056 - 1 | 812 |
| Cobalt | 11 | | 38.1 | | SD-12-03-ME | 6 / 6 | 0.36 - 0.4 | 28 |
| Copper | 40.5 | | 2080 | | SD-12-01-ME | 6 / 6 | 0.083 - 0.44 | 882 |
| Cyanide | | | | | | 0 / 2 | 1.1 - 1.2 | 0.58 |
| Iron | 7530 | | 107000 | | SD-12-03-ME | 6 / 6 | 0.57 - 1.4 | 62038 |
| Lead | 16.8 | | 1240 | | SD-12-01-ME | 6 / 6 | 0.27 - 0.6 | 529 |
| Magnesium | 610 | | 3070 | | SD-12-03-TR | 6 / 6 | 0.83 - 15.18 | 1548 |
| Manganese | 195 | J | 1180 | | SD-12-03-TR | 6 / 6 | 0.019 - 0.24 | 562 |
| Mercury | 0.15 | J | 44.8 | | SD-12-03-ME | 5 / 6 | 0.0037 - 0.17 | 13 |
| Nickel | 5.4 | | 28.3 | | SD-12-01-ME | 6 / 6 | 0.15 - 0.8 | 18 |
| Potassium | 160 | | 837 | J | SD-12-03-TR | 5 / 6 | 2.7 - 450 | 438 |
| Selenium | 1.3 | | 30.3 | | SD-12-03-ME | 5 / 6 | 0.41 - 1 | 10 |
| Silver | 0.54 | J | 1.8 | | SD-12-03-TR | 3 / 5 | 0.01 - 1 | 0.81 |
| Sodium | 141 | | 793 | J | SD-12-03-TR | 4 / 6 | 0.22 - 708 | 362 |
| Thallium | 1.4 | | 1.4 | | SD-12-03-FW | 1 / 5 | 0.044 - 1.5 | 0.80 |
| Vanadium | 10.8 | | 127 | | SD-12-03-ME | 6 / 6 | 0.074 - 0.64 | 60 |
| Zinc | 1370 | | 4760 | | SD-12-03-ME | 6 / 6 | 0.17 - 1.7 | 2513 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 224 | J | 255 | J | SD-12-01-ME | 2 / 2 | N/A | 239 |
| Cadmium | 2.5 | | 78 | | SD-12-03-TR | 5 / 6 | 5.6 | 16 |
| Copper | 39 | | 331 | | SD-12-03-TR | 6 / 6 | N/A | 141 |
| Lead | 33 | J | 675 | | SD-12-03-ME | 6 / 6 | N/A | 251 |
| Mercury | 0.16 | J | 0.16 | J | SD-12-03-TR | 1 / 4 | 0.01 | 0.044 |
| Nickel | 13 | | 16 | J | SD-12-03-ME | 3 / 6 | 77.7 - 162 | 34 |
| SEM/AVS Ratio | 0.25 | | 1.5 | | SD-12-03-ME | 6 / 6 | N/A | 0.74 |
| Sulfide | 372 | | 2924 | | SD-12-03-FW | 6 / 6 | N/A | 1699 |
| Zinc | 857 | J | 3050 | J | SD-12-01-FW | 6 / 6 | N/A | 1630 |
| | | | | | | | | |
| Total Combustible Organics (mg/Kg) | 42200 | | 912000 | J | SD-12-01-ME | 5 / 5 | 2000 | 332640 |
| Total Organic Carbon (mg/Kg) | 150000 | J | 150000 | J | SD-12-03-TR | 1 / 1 | 250 | 150000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-72**
**SEDIMENT DATA SUMMARY - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 13 - 14 | 6.8 |
| 1,1,1-Trichloroethane | 59 | J | 59 | J | SD-13-01-TR | 1 / 3 | 22 - 104 | 53 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 22 - 35 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | | | | | | 0 / 1 | 22 | 11 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 22 - 35 | 15 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 22 - 104 | 37 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 22 - 104 | 37 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 1 | 22 | 11 |
| 1,2-Dibromoethane | | | | | | 0 / 1 | 22 | 11.0 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 22 - 104 | 37 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 22 | 11.0 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| 2-Butanone | 160 | J | 190 | J | SD-13-01-FW | 2 / 3 | 22 | 120 |
| 2-Hexanone | | | | | | 0 / 1 | 22 | 11 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 22 | 11 |
| Acetone | 630 | J | 4300 | J | SD-13-01-TR | 2 / 2 | 22 | 2465 |
| Benzene | 7 | J | 8 | J | SD-13-01-ME | 2 / 3 | 13 - 22 | 9 |
| Bromodichloromethane | | | | | | 0 / 1 | 22 | 11.0 |
| Bromoform | | | | | | 0 / 1 | 22 | 11 |
| Bromomethane | | | | | | 0 / 1 | 22 | 11 |
| Carbon Disulfide | | | | | | 0 / 1 | 22 | 11 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 22 | 11 |
| Chlorobenzene | | | | | | 0 / 1 | 22 | 11 |
| Chloroethane | | | | | | 0 / 1 | 22 | 11 |
| Chloroform | | | | | | 0 / 3 | 22 - 35 | 15 |
| Chloromethane | | | | | | 0 / 1 | 22 | 11 |
| cis-1,2-Dichloroethene | 23 | J | 23 | J | SD-13-03-ME | 1 / 3 | 22 - 35 | 17.2 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 22 | 11 |
| Cyclohexane | | | | | | 0 / 1 | 22 | 11 |
| Dibromochloromethane | | | | | | 0 / 1 | 22 | 11.0 |
| Dichlorodifluoromethane | | | | | | 0 / 1 | 22 | 11 |
| Ethylbenzene | 9 | J | 9 | J | SD-13-01-ME | 1 / 3 | 13 - 22 | 9 |
| Isopropylbenzene | | | | | | 0 / 1 | 22 | 11 |
| Methyl Acetate | | | | | | 0 / 1 | 22 | 11 |
| Methyl tert-Butyl Ether | | | | | | 0 / 1 | 22 | 11 |
| Methylcyclohexane | | | | | | 0 / 1 | 22 | 11 |
| Methylene chloride | | | | | | 0 / 3 | 22 - 104 | 37 |
| Naphthalene | | | | | | 0 / 2 | 97 - 104 | 50.3 |
| Styrene | | | | | | 0 / 1 | 22 | 11 |
| Tetrachloroethene | | | | | | 0 / 3 | 22 - 108 | 38 |
| Toluene | | | | | | 0 / 1 | 22 | 11 |
| trans-1,2-Dichloroethene | | | | | | 0 / 3 | 22 - 104 | 37 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 22 | 11 |
| Trichloroethene | 37 | J | 37 | J | SD-13-03-ME | 1 / 3 | 22 - 35 | 22 |
| Trichlorofluoromethane | | | | | | 0 / 1 | 22 | 11 |
| Vinyl chloride | | | | | | 0 / 3 | 22 - 104 | 37 |
| Xylene, m/p- | | | | | | 0 / 3 | 22 - 35 | 14.8 |
| Xylene, o- | | | | | | 0 / 3 | 22 - 35 | 15 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 280 | 140 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 280 | 140 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 690 | 345 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 280 | 140 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 280 | 140 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 280 | 140 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 690 | 345 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 280 | 140 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 280 | 140 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 280 | 140 |

**TABLE 2-72**
**SEDIMENT DATA SUMMARY - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 2-Chlorophenol | | | | | | 0 / 1 | 280 | 140 |
| 2-Methylnaphthalene | 23 | J | 73 | | SD-13-01-ME | 2 / 3 | 67 - 280 | 79 |
| 2-Methylphenol | | | | | | 0 / 1 | 280 | 140 |
| 2-Nitroaniline | | | | | | 0 / 1 | 690 | 345 |
| 2-Nitrophenol | | | | | | 0 / 1 | 280 | 140 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 280 | 140 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 280 | 140 |
| 3-Nitroaniline | | | | | | 0 / 1 | 280 | 140 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 690 | 345 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 280 | 140 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 280 | 140 |
| 4-Chloroaniline | | | | | | 0 / 1 | 280 | 140 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 280 | 140 |
| 4-Nitroaniline | | | | | | 0 / 1 | 690 | 345 |
| 4-Nitrophenol | | | | | | 0 / 1 | 690 | 345 |
| Acenaphthene | 22 | J | 89 | J | SD-13-01-ME | 2 / 3 | 67 - 280 | 84 |
| Acenaphthylene | 26 | J | 31 | J | SD-13-01-ME | 2 / 3 | 67 - 280 | 66 |
| Acetophenone | | | | | | 0 / 1 | 280 | 140 |
| Anthracene | 99 | | 300 | | SD-13-01-ME | 2 / 3 | 67 - 280 | 180 |
| Atrazine | | | | | | 0 / 1 | 280 | 140 |
| Benzaldehyde | | | | | | 0 / 1 | 280 | 140 |
| Benzo(a)anthracene | 110 | J | 1700 | | SD-13-01-ME | 6 / 6 | 67 - 280 | 825 |
| Benzo(a)pyrene | 150 | J | 1700 | | SD-13-01-ME | 6 / 6 | 67 - 280 | 908 |
| Benzo(b)fluoranthene | 270 | J | 3600 | J | SD-13-03-FW | 6 / 6 | 67 - 280 | 1662 |
| Benzo(g,h,i)perylene | 260 | J | 820 | | SD-13-01-ME | 5 / 6 | 67 - 280 | 412 |
| Benzo(k)fluoranthene | 570 | J | 3400 | J | SD-13-03-FW | 5 / 6 | 67 - 280 | 1310 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 280 | 140 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 280 | 140 |
| bis(2-Ethylhexyl)phthalate | 140 | J | 5100 | J | SD-13-03-FW | 4 / 4 | 280 | 1835 |
| Butylbenzylphthalate | 230 | J | 230 | J | SD-13-03-FW | 1 / 2 | 280 | 185 |
| Caprolactam | | | | | | 0 / 1 | 280 | 140 |
| Carbazole | 170 | J | 170 | J | SD-13-03-FW | 1 / 2 | 280 | 155 |
| Chrysene | 150 | J | 1700 | | SD-13-01-ME | 6 / 6 | 67 - 280 | 1017 |
| Dibenz(a,h)anthracene | 180 | | 330 | J | SD-13-01-FW | 3 / 4 | 67 - 280 | 218 |
| Dibenzofuran | | | | | | 0 / 1 | 280 | 140 |
| Diethylphthalate | | | | | | 0 / 1 | 280 | 140 |
| Dimethylphthalate | | | | | | 0 / 1 | 280 | 140 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 280 | 140 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 280 | 140 |
| Fluoranthene | 230 | J | 5200 | | SD-13-01-ME | 6 / 6 | 67 - 280 | 2188 |
| Fluorene | 67 | J | 220 | | SD-13-01-ME | 2 / 3 | 67 - 280 | 142 |
| Hexachlorobenzene | | | | | | 0 / 1 | 280 | 140 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 280 | 140 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 280 | 140 |
| Hexachloroethane | | | | | | 0 / 1 | 280 | 140 |
| Indeno(1,2,3-cd)pyrene | 590 | J | 1000 | | SD-13-01-ME | 5 / 6 | 67 - 280 | 643 |
| Isophorone | | | | | | 0 / 1 | 280 | 140 |
| Naphthalene | 40 | J | 67 | J | SD-13-01-ME | 2 / 3 | 67 - 280 | 82 |
| Nitrobenzene | | | | | | 0 / 1 | 280 | 140 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 280 | 140 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 280 | 140 |
| Pentachlorophenol | | | | | | 0 / 1 | 690 | 345 |
| Phenanthrene | 450 | J | 2700 | | SD-13-01-ME | 5 / 6 | 67 - 280 | 945 |
| Phenol | | | | | | 0 / 1 | 280 | 140 |
| Pyrene | 230 | J | 4000 | | SD-13-01-ME | 6 / 6 | 67 - 280 | 1672 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.31 - 3.3 | 0.90 |
| 4,4'-DDD | 2.3 | J | 310 | | SD-13-03-ME | 6 / 6 | 0.31 - 3.3 | 59 |
| 4,4'-DDE | 1.6 | J | 130 | | SD-13-03-ME | 6 / 6 | 0.31 - 3.3 | 28 |
| 4,4'-DDT | 0.45 | J | 12 | J | SD-13-03-ME | 5 / 6 | 0.31 - 3.3 | 3.6 |
| Aldrin | 0.47 | J | 1.6 | J | SD-13-03-FW | 3 / 6 | 0.16 - 1.6 | 0.82 |
| alpha-BHC | 0.32 | J | 1.7 | J | SD-13-03-FW | 3 / 6 | 0.16 - 1.6 | 0.73 |
| alpha-Chlordane | 3.2 | J | 93 | | SD-13-03-ME | 5 / 6 | 0.16 - 1.6 | 25 |
| Aroclor 1016 | | | | | | 0 / 3 | 3.1 - 22 | 4.7 |
| Aroclor 1221 | | | | | | 0 / 3 | 6.3 - 45 | 9.7 |
| Aroclor 1232 | | | | | | 0 / 3 | 3.1 - 22 | 4.7 |

**TABLE 2-72**
**SEDIMENT DATA SUMMARY - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1242 | | | | | | 0 / 3 | 3.1 - 22 | 4.7 |
| Aroclor 1248 | 25 | J | 170 | J | SD-13-03-ME | 2 / 3 | 3.1 - 22 | 69 |
| Aroclor 1254 | 45 | | 45 | | SD-13-01-TR | 1 / 3 | 3.1 - 22 | 16.1 |
| Aroclor 1260 | 79 | | 310 | J | SD-13-03-FW | 3 / 4 | 3.1 - 22 | 163 |
| beta-BHC | 1.5 | J | 3.1 | J | SD-13-03-FW | 3 / 6 | 0.16 - 1.6 | 1.4 |
| delta-BHC | 15 | J | 15 | J | SD-13-03-ME | 1 / 3 | 0.16 - 1.6 | 5.2 |
| Dieldrin | 1.4 | J | 11 | J | SD-13-03-ME | 4 / 5 | 0.31 - 3.3 | 4.0 |
| Endosulfan I | | | | | | 0 / 3 | 0.16 - 1.6 | 0.48 |
| Endosulfan II | 0.39 | J | 4.7 | J | SD-13-02-FW | 2 / 4 | 0.31 - 3.3 | 2.0 |
| Endosulfan Sulfate | 0.38 | J | 0.38 | J | SD-13-01-ME | 1 / 3 | 0.31 - 3.3 | 1.0 |
| Endrin | 0.2 | J | 9.6 | J | SD-13-01-ME | 3 / 5 | 0.31 - 3.3 | 2.6 |
| Endrin Aldehyde | 2.2 | J | 10 | J | SD-13-03-FW | 4 / 5 | 0.31 - 3.3 | 4.7 |
| Endrin Ketone | | | | | | 0 / 3 | 0.31 - 3.3 | 0.97 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 0.16 - 1.6 | 0.48 |
| gamma-Chlordane | 1 | J | 650 | J | SD-13-03-ME | 5 / 6 | 0.16 - 1.6 | 115 |
| Heptachlor | | | | | | 0 / 3 | 0.16 - 1.6 | 0.48 |
| Heptachlor Epoxide | 0.4 | J | 0.4 | J | SD-13-01-ME | 1 / 3 | 0.16 - 1.6 | 0.58 |
| Methoxychlor | | | | | | 0 / 3 | 1.6 - 16 | 4.8 |
| Toxaphene | | | | | | 0 / 3 | 16 - 160 | 48 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6430 | J | 34400 | J | SD-13-02-FW | 6 / 6 | 3.5 - 9.14 | 21638 |
| Antimony | 1.7 | J | 61 | J | SD-13-01-FW | 5 / 5 | 0.27 - 0.74 | 23 |
| Arsenic | 15.9 | | 4210 | J | SD-13-01-FW | 6 / 6 | 0.22 - 1 | 1267 |
| Barium | 63.8 | | 155 | J | SD-13-03-FW | 6 / 6 | 0.018 - 0.4 | 103 |
| Beryllium | 0.45 | J | 2 | J | SD-13-02-FW | 6 / 6 | 0.027 - 0.2 | 1.3 |
| Cadmium | 3.1 | | 13.8 | J | SD-13-01-FW | 6 / 6 | 0.35 - 0.6 | 8.3 |
| Calcium | 3020 | | 17000 | J | SD-13-02-FW | 6 / 6 | 1.6 - 2.14 | 8625 |
| Chromium | 61.2 | J | 725 | J | SD-13-02-FW | 6 / 6 | 0.055 - 1 | 513 |
| Cobalt | 7.2 | J | 40.7 | J | SD-13-03-FW | 6 / 6 | 0.36 - 0.38 | 19 |
| Copper | 113 | | 2340 | J | SD-13-01-FW | 6 / 6 | 0.082 - 0.44 | 1015 |
| Iron | 12800 | J | 54700 | J | SD-13-01-FW | 6 / 6 | 0.57 - 1.4 | 41217 |
| Lead | 340 | J | 1270 | J | SD-13-01-FW | 6 / 6 | 0.27 - 0.6 | 871 |
| Magnesium | 1930 | | 7610 | J | SD-13-03-FW | 6 / 6 | 3.5 - 15.18 | 3438 |
| Manganese | 123 | | 1050 | J | SD-13-02-FW | 6 / 6 | 0.018 - 0.24 | 664 |
| Mercury | 0.25 | J | 19.5 | J | SD-13-01-FW | 6 / 6 | 0.005 - 0.02 | 7.5 |
| Nickel | 15.9 | J | 53.4 | J | SD-13-03-FW | 6 / 6 | 0.15 - 0.8 | 26 |
| Potassium | 477 | J | 2030 | J | SD-13-03-FW | 6 / 6 | 2.7 - 4.38 | 996 |
| Selenium | 0.53 | J | 26.3 | J | SD-13-01-FW | 5 / 6 | 0.053 - 1 | 10 |
| Silver | 0.21 | J | 2 | J | SD-13-01-FW | 4 / 6 | 0.01 - 2 | 0.91 |
| Sodium | 570 | | 1270 | J | SD-13-02-FW | 6 / 6 | 0.22 - 98.04 | 842 |
| Thallium | 3.2 | J | 3.7 | J | SD-13-01-FW | 2 / 5 | 0.039 - 1.14 | 1.6 |
| Vanadium | 27.4 | | 120 | J | SD-13-03-FW | 6 / 6 | 0.073 - 0.64 | 75 |
| Zinc | 445 | J | 2670 | J | SD-13-03-FW | 6 / 6 | 0.16 - 1.7 | 1681 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 37 | J | 37 | J | SD-13-03-ME | 1 / 2 | 3.745 | 20 |
| Cadmium | 2.0 | J | 12 | J | SD-13-01-FW | 4 / 6 | 5.6 | 4.5 |
| Copper | 37 | J | 2270 | J | SD-13-01-FW | 5 / 6 | 3.175 | 579 |
| Lead | 242 | J | 1590 | J | SD-13-01-FW | 6 / 6 | N/A | 756 |
| Mercury | 0.54 | J | 0.55 | J | SD-13-03-FW | 2 / 6 | 0.01 - 10.03 | 1.9 |
| Nickel | 8.8 | J | 14 | | SD-13-01-TR | 3 / 6 | 37.4 - 221 | 31 |
| SEM/AVS Ratio | 0.33 | | 58 | | SD-13-03-FW | 6 / 6 | N/A | 15 |
| Sulfide | 13 | J | 2822 | J | SD-13-01-FW | 6 / 6 | N/A | 992 |
| Zinc | 327 | J | 1700 | J | SD-13-01-FW | 6 / 6 | N/A | 861 |
| | | | | | | | | |
| Total Combustible Organics | 118000 | J | 385000 | | SD-13-02-FW | 5 / 5 | 2000 | 239600 |
| Total Organic Carbon | 300000 | | 300000 | | SD-13-01-TR | 1 / 1 | 250 | 300000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-73**
**SEDIMENT DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 2-Butanone | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 2-Hexanone | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Acetone | 58 | J | 140 | J | SD-14-01-FW | 2 / 3 | 12 | 68 |
| Benzene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Bromodichloromethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Bromoform | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Bromomethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Carbon Disulfide | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Chlorobenzene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Chloroethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Chloroform | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Chloromethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Dibromochloromethane | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Ethylbenzene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Methylene Chloride | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Styrene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Tetrachloroethene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Toluene | 3 | J | 3 | J | SD-14-03-FW | 1 / 3 | 12 | 5.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Trichloroethene | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Vinyl Chloride | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| Xylenes (total) | | | | | | 0 / 3 | 12 - 14 | 6.3 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2-Chlorophenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2-Methylnaphthalene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2-Methylphenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 2-Nitroaniline | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 2-Nitrophenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 3-Nitroaniline | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 4-Chloroaniline | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 2100 - 2300 | 1083 |

**TABLE 2-73**
**SEDIMENT DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| 4-Nitroaniline | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| 4-Nitrophenol | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| Acenaphthene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Acenaphthylene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Anthracene | 660 | J | 660 | J | SD-14-01-FW | 1 / 3 | 2100 - 2300 | 953 |
| Benzo(a)anthracene | 700 | J | 1100 | J | SD-14-01-FW | 3 / 3 | N/A | 967 |
| Benzo(a)pyrene | 890 | J | 890 | J | SD-14-03-FW | 1 / 3 | 2100 | 997 |
| Benzo(b)fluoranthene | 920 | J | 2100 | J | SD-14-03-FW | 3 / 3 | N/A | 1440 |
| Benzo(g,h,i)perylene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Benzo(k)fluoranthene | 1100 | J | 1100 | J | SD-14-01-FW | 1 / 3 | 2100 - 2300 | 1100 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| bis(2-Ethylhexyl)phthalate | 730 | J | 1100 | J | SD-14-03-FW | 2 / 3 | 2100 | 960 |
| Butylbenzylphthalate | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Carbazole | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Chrysene | 910 | J | 1400 | J | SD-14-03-FW | 3 / 3 | N/A | 1170 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Dibenz(a,h)anthracene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Dibenzofuran | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Diethylphthalate | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Dimethylphthalate | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Fluoranthene | 2200 | J | 2800 | J | SD-14-03-FW | 3 / 3 | N/A | 2467 |
| Fluorene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Hexachlorobenzene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Hexachloroethane | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Isophorone | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Naphthalene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Nitrobenzene | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Pentachlorophenol | | | | | | 0 / 3 | 5000 - 5600 | 2600 |
| Phenanthrene | 810 | J | 2600 | J | SD-14-01-FW | 3 / 3 | N/A | 1503 |
| Phenol | | | | | | 0 / 3 | 2100 - 2300 | 1083 |
| Pyrene | 1200 | J | 2000 | J | SD-14-03-FW | 3 / 3 | N/A | 1667 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 9.7 | J | 9.7 | J | SD-14-01-FW | 1 / 3 | 21 - 23 | 11 |
| 4,4'-DDE | 8.2 | J | 8.2 | J | SD-14-01-FW | 1 / 3 | 21 - 23 | 10 |
| 4,4'-DDT | | | | | | 0 / 3 | 21 - 23 | 11 |
| Aldrin | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| alpha-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| alpha-Chlordane | 3.3 | J | 5 | J | SD-14-03-FW | 3 / 3 | N/A | 4.1 |
| Aroclor 1016 | | | | | | 0 / 3 | 210 - 230 | 108 |
| Aroclor 1221 | | | | | | 0 / 3 | 420 - 470 | 218 |
| Aroclor 1232 | | | | | | 0 / 3 | 210 - 230 | 108 |
| Aroclor 1242 | | | | | | 0 / 3 | 210 - 230 | 108 |
| Aroclor 1248 | | | | | | 0 / 3 | 210 - 230 | 108 |
| Aroclor 1254 | | | | | | 0 / 3 | 210 - 230 | 108 |
| Aroclor 1260 | | | | | | 0 / 3 | 210 - 230 | 108 |
| beta-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| delta-BHC | | | | | | 0 / 3 | 11 - 12 | 5.7 |

**TABLE 2-73**
**SEDIMENT DATA SUMMARY - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 20 | J | 20 | J | SD-14-03-FW | 1 / 3 | 21 | 14 |
| Endosulfan I | 8 | J | 18 | J | SD-14-03-FW | 3 / 3 | N/A | 11 |
| Endosulfan II | 2.6 | J | 2.6 | J | SD-14-01-FW | 1 / 3 | 21 - 23 | 8.2 |
| Endosulfan sulfate | | | | | | 0 / 3 | 21 - 23 | 11 |
| Endrin | | | | | | 0 / 3 | 21 - 23 | 11 |
| Endrin aldehyde | | | | | | 0 / 3 | 21 - 23 | 11 |
| Endrin ketone | | | | | | 0 / 3 | 21 - 23 | 11 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| gamma-Chlordane | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Heptachlor | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Heptachlor epoxide | | | | | | 0 / 3 | 11 - 12 | 5.7 |
| Methoxychlor | | | | | | 0 / 3 | 110 - 120 | 57 |
| Toxaphene | | | | | | 0 / 3 | 1100 - 1200 | 567 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3200 | | 4030 | | SD-14-01-FW | 3 / 3 | N/A | 3687 |
| Antimony | 0.85 | J | 0.99 | J | SD-14-01-FW | 3 / 3 | N/A | 0.91 |
| Arsenic | 49.1 | | 73.4 | | SD-14-03-FW | 3 / 3 | N/A | 61 |
| Barium | 13.4 | | 18.4 | | SD-14-03-FW | 3 / 3 | N/A | 16 |
| Beryllium | 0.21 | | 0.21 | | SD-14-01-FW | 1 / 3 | 0.19 - 0.2 | 0.14 |
| Cadmium | 0.4 | | 1 | | SD-14-03-FW | 3 / 3 | N/A | 0.64 |
| Calcium | 1020 | | 1760 | | SD-14-01-FW | 3 / 3 | N/A | 1367 |
| Chromium | 43 | J | 216 | | SD-14-01-FW | 3 / 3 | N/A | 104 |
| Cobalt | 2.9 | | 5 | | SD-14-01-FW | 3 / 3 | N/A | 4.1 |
| Copper | 46 | | 64.9 | | SD-14-02-FW | 3 / 3 | N/A | 57 |
| Cyanide | | | | | | 0 / 3 | 0.51 - 0.62 | 0.29 |
| Iron | 9030 | | 19400 | J | SD-14-01-FW | 3 / 3 | N/A | 14010 |
| Lead | 34.5 | | 130 | J | SD-14-01-FW | 3 / 3 | N/A | 68 |
| Magnesium | 1200 | | 1750 | | SD-14-01-FW | 3 / 3 | N/A | 1407 |
| Manganese | 84.9 | J | 172 | J | SD-14-03-FW | 3 / 3 | N/A | 133 |
| Mercury | 0.16 | J | 1.4 | J | SD-14-02-FW | 3 / 3 | N/A | 0.59 |
| Nickel | 5.4 | | 10.4 | | SD-14-01-FW | 3 / 3 | N/A | 7.3 |
| Potassium | 455 | | 586 | | SD-14-01-FW | 3 / 3 | N/A | 509 |
| Selenium | 0.61 | | 0.73 | J | SD-14-01-FW | 2 / 3 | 0.61 | 0.55 |
| Silver | | | | | | 0 / 3 | 0.26 - 0.3 | 0.14 |
| Sodium | 57.2 | | 75.6 | | SD-14-02-FW | 3 / 3 | N/A | 69 |
| Thallium | 0.81 | | 0.81 | | SD-14-01-FW | 1 / 3 | 0.61 - 0.71 | 0.49 |
| Vanadium | 8.9 | | 13.3 | | SD-14-01-FW | 3 / 3 | N/A | 11 |
| Zinc | 170 | | 273 | | SD-14-03-FW | 3 / 3 | N/A | 221 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.51 | J | 0.88 | J | SD-14-03-FW | 3 / 3 | N/A | 0.74 |
| Copper | 36 | J | 99 | J | SD-14-02-FW | 3 / 3 | N/A | 58 |
| Lead | 38 | J | 58 | J | SD-14-01-FW | 3 / 3 | N/A | 48 |
| Mercury | 0.020 | J | 0.020 | J | SD-14-02-FW | 1 / 3 | 0.003 - 0.004 | 0.0078 |
| Nickel | 95 | J | 95 | J | SD-14-02-FW | 1 / 3 | 4.9 - 46.3 | 40 |
| SEM/AVS Ratio | 0.18 | | 2.9 | | SD-14-03-FW | 3 / 3 | N/A | 2.0 |
| Sulfide | 74 | | 770 | | SD-14-01-FW | 3 / 3 | N/A | 352 |
| Zinc | 205 | J | 1190 | J | SD-14-03-FW | 3 / 3 | N/A | 540 |
| Total Combustible Organics (mg/Kg) | 4480 | | 12300 | | SD-14-03-FW | 3 / 3 | N/A | 9260 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-74
## SEDIMENT DATA SUMMARY - STATION 15
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 25 | 13 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 190 | 95 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 63 | 32 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 63 | 32 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 190 | 95 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 190 | 95 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 190 | 95 |
| 1,2-Dichloroethene(total) | 24 | J | 29 | J | SD-15-01-FW | 3 / 3 | N/A | 27 |
| Acetone | 210 | J | 290 | J | SD-15-02-FW | 2 / 2 | N/A | 250 |
| Benzene | | | | | | 0 / 1 | 25 | 13 |
| Carbon Disulfide | 18 | J | 18 | J | SD-15-01-FW | 1 / 1 | N/A | 18 |
| Chloroform | | | | | | 0 / 1 | 63 | 32 |
| cis-1,2-Dichloroethene | 187 | J | 187 | J | SD-15-01-ME | 1 / 1 | 63 | 187 |
| Ethylbenzene | | | | | | 0 / 1 | 25 | 13 |
| Methylene chloride | | | | | | 0 / 1 | 190 | 95 |
| Naphthalene | | | | | | 0 / 1 | 190 | 95 |
| Tetrachloroethene | 41 | J | 41 | J | SD-15-03-FW | 1 / 2 | 190 | 68 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 190 | 95 |
| Trichloroethene | 26 | J | 206 | J | SD-15-01-ME | 3 / 3 | 63 | 93 |
| Vinyl chloride | | | | | | 0 / 1 | 190 | 95 |
| Xylene, m/p- | | | | | | 0 / 1 | 63 | 32 |
| Xylene, o- | | | | | | 0 / 1 | 63 | 32 |
| SVOCs - ug/Kg | | | | | | | | |
| 2-Methylnaphthalene | 10 | J | 10 | J | SD-15-01-ME | 1 / 1 | 1 | 10 |
| Acenaphthene | 8 | J | 8 | J | SD-15-01-ME | 1 / 1 | 1 | 8.0 |
| Acenaphthylene | 7 | J | 7 | J | SD-15-01-ME | 1 / 1 | 1 | 7.0 |
| Anthracene | 50 | J | 50 | J | SD-15-01-ME | 1 / 1 | 67 | 50 |
| Benzo(a)anthracene | 200 | | 200 | | SD-15-01-ME | 1 / 1 | 67 | 200 |
| Benzo(a)pyrene | 180 | J | 180 | J | SD-15-01-ME | 1 / 1 | 67 | 180 |
| Benzo(b)fluoranthene | 440 | J | 440 | J | SD-15-01-ME | 1 / 1 | 67 | 440 |
| Benzo(g,h,i)perylene | 150 | J | 150 | J | SD-15-01-ME | 1 / 1 | 67 | 150 |
| Benzo(k)fluoranthene | 270 | J | 270 | J | SD-15-01-ME | 1 / 1 | 67 | 270 |
| Chrysene | 410 | | 410 | | SD-15-01-ME | 1 / 1 | 67 | 410 |
| Dibenz(a,h)anthracene | 60 | J | 60 | J | SD-15-01-ME | 1 / 1 | 67 | 60 |
| Fluoranthene | 990 | | 990 | | SD-15-01-ME | 1 / 1 | 67 | 990 |
| Fluorene | 69 | J | 69 | J | SD-15-01-ME | 1 / 1 | 1 | 69 |
| Indeno(1,2,3-cd)pyrene | 170 | J | 170 | J | SD-15-01-ME | 1 / 1 | 67 | 170 |
| Naphthalene | 15 | J | 15 | J | SD-15-01-ME | 1 / 1 | 67 | 15 |
| Phenanthrene | 400 | | 400 | | SD-15-01-ME | 1 / 1 | 67 | 400 |
| Pyrene | 590 | | 590 | | SD-15-01-ME | 1 / 1 | 67 | 590 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 0.33 | 0.17 |
| 4,4'-DDD | 6.9 | J | 6.9 | J | SD-15-01-ME | 1 / 1 | 0.33 | 6.9 |
| 4,4'-DDE | 3.8 | J | 3.8 | J | SD-15-01-ME | 1 / 1 | 0.33 | 3.8 |
| 4,4'-DDT | 1.8 | J | 1.8 | J | SD-15-01-ME | 1 / 1 | 0.33 | 1.8 |
| Aldrin | | | | | | 0 / 1 | 0.17 | 0.085 |
| alpha-BHC | | | | | | 0 / 1 | 0.17 | 0.085 |
| alpha-Chlordane | 6 | J | 6 | J | SD-15-01-ME | 1 / 1 | 0.17 | 6.0 |
| Aroclor 1016 | | | | | | 0 / 1 | 3.3 | 1.7 |
| Aroclor 1221 | | | | | | 0 / 1 | 6.6 | 3.3 |
| Aroclor 1232 | | | | | | 0 / 1 | 3.3 | 1.7 |
| Aroclor 1242 | | | | | | 0 / 1 | 3.3 | 1.7 |
| Aroclor 1248 | 43 | J | 43 | J | SD-15-01-ME | 1 / 1 | 3.3 | 43 |
| Aroclor 1254 | | | | | | 0 / 1 | 3.3 | 1.7 |
| Aroclor 1260 | 83 | | 83 | | SD-15-01-ME | 1 / 1 | 3.3 | 83 |
| beta-BHC | | | | | | 0 / 1 | 0.17 | 0.085 |

**TABLE 2-74**
**SEDIMENT DATA SUMMARY - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | | | | | | 0 / 1 | 0.17 | 0.085 |
| Dieldrin | 0.57 | J | 0.57 | J | SD-15-01-ME | 1 / 1 | 0.33 | 0.57 |
| Endosulfan I | 0.45 | J | 15 | J | SD-15-03-FW | 4 / 4 | 0.17 | 7.6 |
| Endosulfan II | | | | | | 0 / 1 | 0.33 | 0.17 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.33 | 0.17 |
| Endrin | 0.48 | J | 0.48 | J | SD-15-01-ME | 1 / 1 | 0.33 | 0.48 |
| Endrin Aldehyde | 2 | J | 2 | J | SD-15-01-ME | 1 / 1 | 0.33 | 2.0 |
| Endrin Ketone | | | | | | 0 / 1 | 0.33 | 0.17 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.17 | 0.09 |
| gamma-Chlordane | 0.98 | J | 0.98 | J | SD-15-01-ME | 1 / 1 | 0.17 | 1.0 |
| Heptachlor | | | | | | 0 / 1 | 0.17 | 0.085 |
| Heptachlor Epoxide | 0.17 | J | 0.17 | J | SD-15-01-ME | 1 / 1 | 0.17 | 0.17 |
| Methoxychlor | | | | | | 0 / 1 | 1.7 | 0.85 |
| Toxaphene | | | | | | 0 / 1 | 17 | 8.5 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4810 | J | 6670 | J | SD-15-02-FW | 4 / 4 | 8.2 | 5960 |
| Antimony | 3.9 | J | 6 | J | SD-15-02-FW | 3 / 3 | 0.3 | 4.6 |
| Arsenic | 104 | J | 193 | J | SD-15-01-FW | 4 / 4 | 0.51 | 167 |
| Barium | 48.9 | J | 65.6 | | SD-15-01-ME | 4 / 4 | 0.043 | 57 |
| Beryllium | 0.76 | J | 1.1 | J | SD-15-03-FW | 2 / 2 | 0.064 | 0.93 |
| Cadmium | 17.7 | | 37.4 | J | SD-15-01-FW | 4 / 4 | 0.81 | 28 |
| Calcium | 13200 | J | 15700 | J | SD-15-02-FW | 4 / 4 | 3.8 | 14325 |
| Chromium | 147 | J | 537 | J | SD-15-01-ME | 4 / 4 | 0.13 | 268 |
| Cobalt | 14.1 | J | 23.1 | J | SD-15-01-ME | 4 / 4 | 0.88 | 18 |
| Copper | 181 | J | 469 | J | SD-15-03-FW | 4 / 4 | 0.19 | 352 |
| Iron | 11800 | J | 22200 | J | SD-15-01-FW | 4 / 4 | 1.3 | 17125 |
| Lead | 55.4 | J | 157 | J | SD-15-01-ME | 4 / 4 | 0.62 | 100 |
| Magnesium | 1140 | J | 1650 | J | SD-15-02-FW | 4 / 4 | 8.1 | 1343 |
| Manganese | 956 | | 1400 | J | SD-15-01-FW | 4 / 4 | 0.043 | 1111 |
| Mercury | 0.68 | J | 1.3 | J | SD-15-01-ME | 3 / 3 | 0.0059 | 0.9 |
| Nickel | 9.6 | J | 20.5 | J | SD-15-03-FW | 4 / 4 | 0.34 | 17 |
| Potassium | 243 | J | 390 | J | SD-15-02-FW | 4 / 4 | 6.3 | 294 |
| Selenium | 6.5 | J | 8.6 | J | SD-15-02-FW | 2 / 3 | 0.24 - 1.2 | 5.2 |
| Silver | 0.29 | J | 0.29 | J | SD-15-01-ME | 1 / 1 | 0.043 | 0.29 |
| Sodium | 642 | | 962 | J | SD-15-03-FW | 4 / 4 | 0.51 | 819 |
| Thallium | 2.4 | J | 2.4 | J | SD-15-01-ME | 1 / 1 | 0.17 | 2.4 |
| Vanadium | 14.2 | J | 22.9 | J | SD-15-02-FW | 4 / 4 | 0.17 | 20 |
| Zinc | 1990 | J | 3350 | J | SD-15-01-FW | 4 / 4 | 0.39 | 2623 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 35 | J | 35 | J | SD-15-01-ME | 1 / 1 | N/A | 35 |
| Cadmium | 22 | J | 60 | J | SD-15-03-FW | 4 / 4 | N/A | 35 |
| Copper | 346 | J | 380 | J | SD-15-02-FW | 2 / 4 | 3.175 - 138 | 199 |
| Lead | 65 | J | 168 | J | SD-15-01-ME | 3 / 4 | 34 | 80 |
| Mercury | | | | | | 0 / 4 | 0.02 - 10.03 | 1.3 |
| Nickel | 31 | J | 31 | J | SD-15-01-ME | 1 / 4 | 32.1 - 340 | 75 |
| SEM/AVS Ratio | 0.38 | | 3 | | SD-15-03-FW | 4 / 4 | N/A | 1.3 |
| Sulfide | 472 | | 3435 | J | SD-15-01-FW | 4 / 4 | N/A | 1566 |
| Zinc | 1720 | J | 2670 | J | SD-15-01-FW | 4 / 4 | N/A | 2225 |
| Total Combustible Organics (mg/Kg) | 381000 | | 702000 | J | SD-15-01-ME | 4 / 4 | 2000 | 491250 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-75**
**SEDIMENT DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,1-Dichloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 1,2-Dichloropropane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 2-Butanone | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 2-Hexanone | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| 4-Methyl-2-pentanone | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Acetone | | | | | | 0 / 3 | 24 - 26 | 13 |
| Benzene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Bromodichloromethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Bromoform | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Bromomethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Carbon Disulfide | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Carbon Tetrachloride | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Chlorobenzene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Chloroethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Chloroform | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Chloromethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| cis-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Dibromochloromethane | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Ethylbenzene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Methylene Chloride | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Styrene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Tetrachloroethene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Toluene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| trans-1,3-Dichloropropene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Trichloroethene | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Vinyl Chloride | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| Xylenes (total) | | | | | | 0 / 3 | 13 - 26 | 8.7 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 3 | 420 - 840 | 280 |
| 1,2-Dichlorobenzene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 1,3-Dichlorobenzene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 1,4-Dichlorobenzene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,4-Dichlorophenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,4-Dimethylphenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,4-Dinitrophenol | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 2,4-Dinitrotoluene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2,6-Dinitrotoluene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2-Chloronaphthalene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2-Chlorophenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2-Methylnaphthalene | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2-Methylphenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 2-Nitroaniline | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 2-Nitrophenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 3 | 420 - 840 | 280 |
| 3-Nitroaniline | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 3 | 420 - 840 | 280 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 4-Chloroaniline | | | | | | 0 / 3 | 420 - 840 | 280 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 3 | 420 - 840 | 280 |

**TABLE 2-75**
**SEDIMENT DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| 4-Nitroaniline | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| 4-Nitrophenol | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| Acenaphthene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Acenaphthylene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Anthracene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Benzo(a)anthracene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Benzo(a)pyrene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Benzo(b)fluoranthene | 45 | J | 45 | J | SD-16-03-FW | 1 / 3 | 420 - 840 | 225 |
| Benzo(g,h,i)perylene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Benzo(k)fluoranthene | 45 | J | 45 | J | SD-16-03-FW | 1 / 3 | 420 - 840 | 225 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 3 | 420 - 840 | 280 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 3 | 420 - 840 | 280 |
| bis(2-Ethylhexyl)phthalate | 73 | J | 73 | J | SD-16-02-FW | 1 / 3 | 420 - 840 | 234 |
| Butylbenzylphthalate | 130 | J | 130 | J | SD-16-01-FW | 1 / 3 | 420 | 183 |
| Carbazole | | | | | | 0 / 3 | 420 - 840 | 280 |
| Chrysene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Di-n-butylphthalate | | | | | | 0 / 3 | 420 - 840 | 280 |
| Di-n-octylphthalate | | | | | | 0 / 3 | 420 - 840 | 280 |
| Dibenz(a,h)anthracene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Dibenzofuran | | | | | | 0 / 3 | 420 - 840 | 280 |
| Diethylphthalate | | | | | | 0 / 3 | 420 - 840 | 280 |
| Dimethylphthalate | | | | | | 0 / 3 | 420 - 840 | 280 |
| Fluoranthene | 50 | J | 88 | J | SD-16-01-FW | 2 / 3 | 420 | 116 |
| Fluorene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Hexachlorobenzene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Hexachlorobutadiene sv | | | | | | 0 / 3 | 420 - 840 | 280 |
| Hexachlorocyclopentadiene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Hexachloroethane | | | | | | 0 / 3 | 420 - 840 | 280 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Isophorone | | | | | | 0 / 3 | 420 - 840 | 280 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 3 | 420 - 840 | 280 |
| N-nitrosodiphenylamine | | | | | | 0 / 3 | 420 - 840 | 280 |
| Naphthalene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Nitrobenzene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Pentachlorophenol | | | | | | 0 / 3 | 1000 - 2100 | 683 |
| Phenanthrene | | | | | | 0 / 3 | 420 - 840 | 280 |
| Phenol | | | | | | 0 / 3 | 420 - 840 | 280 |
| Pyrene | 61 | J | 110 | J | SD-16-01-FW | 2 / 3 | 420 | 127 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 11 | | 13 | | SD-16-02-FW | 2 / 3 | 4.2 | 8.7 |
| 4,4'-DDE | 0.32 | J | 3.6 | J | SD-16-02-FW | 3 / 3 | N/A | 2.3 |
| 4,4'-DDT | 0.32 | J | 6.8 | | SD-16-02-FW | 3 / 3 | N/A | 3.0 |
| Aldrin | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| alpha-BHC | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| alpha-Chlordane | 0.45 | J | 0.67 | J | SD-16-01-FW | 2 / 3 | 4.2 | 1.1 |
| Aroclor 1016 | | | | | | 0 / 3 | 42 - 84 | 28 |
| Aroclor 1221 | | | | | | 0 / 3 | 85 - 170 | 57 |
| Aroclor 1232 | | | | | | 0 / 3 | 42 - 84 | 28 |
| Aroclor 1242 | | | | | | 0 / 3 | 42 - 84 | 28 |
| Aroclor 1248 | | | | | | 0 / 3 | 42 - 84 | 28 |
| Aroclor 1254 | | | | | | 0 / 3 | 42 - 84 | 28 |
| Aroclor 1260 | | | | | | 0 / 3 | 42 - 84 | 28 |
| beta-BHC | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| delta-BHC | 0.29 | J | 0.29 | J | SD-16-02-FW | 1 / 3 | 2.2 - 4.3 | 1.2 |

**TABLE 2-75**
**SEDIMENT DATA SUMMARY - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Dieldrin | 0.32 | J | 1 | J | SD-16-01-FW | 3 / 3 | N/A | 0.60 |
| Endosulfan I | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| Endosulfan II | | | | | | 0 / 3 | 4.2 - 8.4 | 2.8 |
| Endosulfan sulfate | | | | | | 0 / 3 | 4.2 - 8.4 | 2.8 |
| Endrin | | | | | | 0 / 3 | 4.2 - 8.4 | 2.8 |
| Endrin aldehyde | | | | | | 0 / 3 | 4.2 - 8.4 | 2.8 |
| Endrin ketone | | | | | | 0 / 3 | 4.2 - 8.4 | 2.8 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| gamma-Chlordane | 0.12 | J | 0.72 | J | SD-16-01-FW | 3 / 3 | N/A | 0.44 |
| Heptachlor | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| Heptachlor epoxide | | | | | | 0 / 3 | 2.1 - 4.3 | 1.4 |
| Methoxychlor | | | | | | 0 / 3 | 21 - 43 | 14.3 |
| Toxaphene | | | | | | 0 / 3 | 210 - 430 | 143 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2480 | | 3690 | | SD-16-02-FW | 3 / 3 | N/A | 2990 |
| Antimony | 0.56 | J | 0.56 | J | SD-16-01-FW | 1 / 3 | 0.34 - 0.56 | 0.34 |
| Arsenic | 6.4 | J | 13.6 | | SD-16-01-FW | 3 / 3 | N/A | 11 |
| Barium | 10.6 | | 21.2 | | SD-16-03-FW | 3 / 3 | N/A | 15 |
| Beryllium | 0.12 | | 0.12 | | SD-16-02-FW | 1 / 3 | 0.016 - 0.12 | 0.063 |
| Cadmium | 0.1 | | 0.34 | | SD-16-02-FW | 3 / 3 | N/A | 0.21 |
| Calcium | 772 | | 3680 | J | SD-16-03-FW | 3 / 3 | N/A | 1881 |
| Chromium | 3.3 | J | 38.4 | J | SD-16-02-FW | 3 / 3 | N/A | 21 |
| Cobalt | 2.9 | | 5.2 | | SD-16-03-FW | 3 / 3 | N/A | 4.0 |
| Copper | 7.1 | | 32.5 | | SD-16-02-FW | 3 / 3 | N/A | 21 |
| Cyanide | | | | | | 0 / 3 | 0.41 - 0.6 | 0.25 |
| Iron | 4860 | | 6850 | | SD-16-02-FW | 3 / 3 | N/A | 5607 |
| Lead | 1.9 | J | 15.4 | J | SD-16-02-FW | 3 / 3 | N/A | 9.1 |
| Magnesium | 931 | | 1870 | | SD-16-02-FW | 3 / 3 | N/A | 1367 |
| Manganese | 84 | J | 158 | J | SD-16-02-FW | 3 / 3 | N/A | 112 |
| Mercury | 0.13 | | 0.37 | J | SD-16-01-FW | 2 / 3 | 0.046 | 0.17 |
| Nickel | 1.6 | | 5.7 | | SD-16-02-FW | 3 / 3 | N/A | 3.8 |
| Potassium | 299 | | 519 | | SD-16-02-FW | 3 / 3 | N/A | 444 |
| Selenium | | | | | | 0 / 3 | 0.43 - 0.7 | 0.28 |
| Silver | | | | | | 0 / 3 | 0.21 - 0.35 | 0.14 |
| Sodium | 92 | | 92 | | SD-16-01-FW | 1 / 3 | 37.3 - 60.8 | 47 |
| Thallium | | | | | | 0 / 3 | 0.5 - 0.82 | 0.33 |
| Vanadium | 4.2 | | 10.3 | | SD-16-02-FW | 3 / 3 | N/A | 7.1 |
| Zinc | 36.4 | J | 155 | J | SD-16-02-FW | 3 / 3 | N/A | 90 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 0.22 | J | 2.5 | | SD-16-01-FW | 3 / 3 | N/A | 1.1 |
| Copper | 29 | J | 55 | | SD-16-02-FW | 2 / 3 | 18.7 | 31 |
| Lead | 11 | J | 25 | | SD-16-02-FW | 3 / 3 | N/A | 16 |
| Mercury | | | | | | 0 / 3 | 0.003 - 0.01 | 0.0028 |
| Nickel | | | | | | 0 / 3 | 1.7 - 4.5 | 1.5 |
| SEM/AVS Ratio | 3.1 | | 4.1 | | SD-16-02-FW | 3 / 3 | N/A | 3.7 |
| Sulfide | 14 | | 34 | | SD-16-02-FW | 3 / 3 | N/A | 23 |
| Zinc | 75 | J | 222 | | SD-16-02-FW | 3 / 3 | N/A | 142 |
| Total Combustible Organics (mg/Kg) | 1390 | | 3040 | | SD-16-03-FW | 2 / 3 | 125 | 1498 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-76**
**SEDIMENT DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 2 | 24 - 31 | 14 |
| 1,1,1-Trichloroethane | | | | | | 0 / 4 | 18 - 229 | 62 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 3 | 18 - 76 | 26 |
| 1,1,2-Trichloroethane | | | | | | 0 / 3 | 18 - 76 | 26 |
| 1,1-Dichloroethane | 3 | J | 3 | J | SD-18-01-FW | 1 / 3 | 178 - 229 | 69 |
| 1,1-Dichloroethene | | | | | | 0 / 3 | 18 - 229 | 71 |
| 1,2-Dichloroethane | | | | | | 0 / 3 | 18 - 229 | 71 |
| 1,2-Dichloroethene(total) | 59 | | 59 | | SD-18-01-FW | 1 / 1 | N/A | 59 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 18 | 9.0 |
| 2-Butanone | 65 | J | 65 | J | SD-18-03-FW | 1 / 2 | 18 | 37 |
| 2-Hexanone | | | | | | 0 / 1 | 18 | 9.0 |
| 4-Methyl-2-pentanone | | | | | | 0 / 1 | 18 | 9.0 |
| Acetone | 230 | J | 385 | J | SD-18-02-TR | 3 / 4 | 47 - 150 | 250 |
| Benzene | | | | | | 0 / 3 | 18 - 31 | 12 |
| Bromodichloromethane | | | | | | 0 / 1 | 18 | 9.0 |
| Bromoform | | | | | | 0 / 1 | 18 | 9.0 |
| Bromomethane | | | | | | 0 / 1 | 18 | 9.0 |
| Carbon Disulfide | | | | | | 0 / 1 | 18 | 9.0 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 18 | 9.0 |
| Chlorobenzene | | | | | | 0 / 1 | 18 | 9.0 |
| Chloroethane | | | | | | 0 / 1 | 18 | 9.0 |
| Chloroform | | | | | | 0 / 3 | 18 - 76 | 26 |
| Chloromethane | | | | | | 0 / 1 | 18 | 9.0 |
| cis-1,2-Dichloroethene | 37 | J | 37 | J | SD-18-02-ME | 1 / 2 | 59 - 76 | 38 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 18 | 9.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 18 | 9.0 |
| Ethylbenzene | | | | | | 0 / 3 | 18 - 31 | 12 |
| Methylene Chloride | | | | | | 0 / 4 | 30 - 229 | 62 |
| Naphthalene | | | | | | 0 / 2 | 178 - 229 | 102 |
| Styrene | | | | | | 0 / 1 | 18 | 9.0 |
| Tetrachloroethene | | | | | | 0 / 3 | 18 - 229 | 71 |
| Toluene | | | | | | 0 / 1 | 18 | 9.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 2 | 178 - 229 | 102 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 18 | 9.0 |
| Trichloroethene | | | | | | 0 / 3 | 18 - 76 | 26 |
| Vinyl Chloride | 2 | J | 2 | J | SD-18-01-FW | 1 / 3 | 178 - 229 | 69 |
| Xylene, m/p- | | | | | | 0 / 2 | 59 - 76 | 34 |
| Xylene, o- | | | | | | 0 / 2 | 59 - 76 | 34 |
| Xylenes (total) | | | | | | 0 / 1 | 18 | 9.0 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 410 | 205 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 600 | 300 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 600 | 300 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 600 | 300 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 600 | 300 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2-Chlorophenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2-Methylnaphthalene | 15 | J | 21 | J | SD-18-03-ME | 2 / 4 | 67 - 600 | 135 |
| 2-Methylphenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 2-Nitroaniline | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| 2-Nitrophenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 410 - 600 | 253 |

**TABLE 2-76**
**SEDIMENT DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 3-Nitroaniline | | | | | | 0 / 2 | 410 - 1500 | 478 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 410 - 600 | 253 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| 4-Chloroaniline | | | | | | 0 / 2 | 410 - 600 | 253 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 410 - 600 | 253 |
| 4-Methylphenol | | | | | | 0 / 1 | 600 | 300 |
| 4-Nitroaniline | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| 4-Nitrophenol | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| Acenaphthene | 29 | J | 30 | J | SD-18-02-ME | 2 / 4 | 67 - 600 | 141 |
| Acenaphthylene | 16 | J | 23 | J | SD-18-03-ME | 2 / 4 | 67 - 600 | 136 |
| Acetophenone | | | | | | 0 / 1 | 410 | 205 |
| Anthracene | 130 | | 150 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 196 |
| Atrazine | | | | | | 0 / 1 | 410 | 205 |
| Benzaldehyde | | | | | | 0 / 1 | 410 | 205 |
| Benzo(a)anthracene | 1400 | | 1400 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 826 |
| Benzo(a)pyrene | 1900 | J | 1900 | J | SD-18-02-ME | 2 / 3 | 67 - 600 | 1367 |
| Benzo(b)fluoranthene | 180 | J | 2500 | J | SD-18-02-ME | 3 / 4 | 67 - 600 | 1345 |
| Benzo(g,h,i)perylene | 1400 | | 1600 | J | SD-18-03-ME | 2 / 4 | 67 - 600 | 876 |
| Benzo(k)fluoranthene | 410 | J | 1200 | J | SD-18-02-ME | 3 / 4 | 67 - 600 | 708 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 410 - 600 | 253 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 410 - 600 | 253 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Caprolactam | | | | | | 0 / 1 | 410 | 205 |
| Carbazole | | | | | | 0 / 2 | 410 - 600 | 253 |
| Chrysene | 2000 | | 2200 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 1176 |
| Dibenz(a,h)anthracene | 410 | J | 430 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 336 |
| Dibenzofuran | | | | | | 0 / 2 | 410 - 600 | 253 |
| Diethylphthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Dimethylphthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 410 - 600 | 253 |
| Fluoranthene | 220 | J | 4000 | | SD-18-02-ME | 3 / 4 | 67 - 600 | 1905 |
| Fluorene | 94 | | 110 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 177 |
| Hexachlorobenzene | | | | | | 0 / 2 | 410 - 600 | 253 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 410 - 600 | 253 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 410 - 600 | 253 |
| Hexachloroethane | | | | | | 0 / 2 | 410 - 600 | 253 |
| Indeno(1,2,3-cd)pyrene | 1400 | | 1500 | J | SD-18-03-ME | 2 / 4 | 67 - 600 | 851 |
| Isophorone | | | | | | 0 / 2 | 410 - 600 | 253 |
| Naphthalene | 29 | J | 34 | J | SD-18-03-ME | 2 / 4 | 67 - 600 | 142 |
| Nitrobenzene | | | | | | 0 / 2 | 410 - 600 | 253 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 410 - 600 | 253 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 410 - 600 | 253 |
| Pentachlorophenol | | | | | | 0 / 2 | 1000 - 1500 | 625 |
| Phenanthrene | 1200 | | 1400 | | SD-18-02-ME | 2 / 4 | 67 - 600 | 776 |
| Phenol | | | | | | 0 / 2 | 410 - 600 | 253 |
| Pyrene | 200 | J | 3100 | | SD-18-02-ME | 3 / 4 | 67 - 600 | 1550 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 2 | 0.33 - 0.34 | 0.17 |
| 4,4'-DDD | 4.9 | J | 23 | J | SD-18-02-ME | 3 / 5 | 0.33 - 6.1 | 7.5 |
| 4,4'-DDE | 0.83 | J | 30 | | SD-18-03-ME | 4 / 5 | 0.33 - 3.2 | 13 |
| 4,4'-DDT | 1.2 | J | 1.7 | J | SD-18-03-ME | 2 / 4 | 0.33 - 6.1 | 1.9 |
| Aldrin | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| alpha-BHC | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| alpha-Chlordane | 7.7 | J | 17 | J | SD-18-03-ME | 2 / 4 | 0.16 - 6.1 | 7.1 |
| Aroclor 1016 | | | | | | 0 / 4 | 3.3 - 61 | 12 |
| Aroclor 1221 | | | | | | 0 / 4 | 6.6 - 120 | 25 |
| Aroclor 1232 | | | | | | 0 / 4 | 3.3 - 61 | 12 |
| Aroclor 1242 | | | | | | 0 / 4 | 3.3 - 61 | 12 |
| Aroclor 1248 | 60 | J | 170 | J | SD-18-03-ME | 2 / 4 | 3.3 - 61 | 69 |
| Aroclor 1254 | | | | | | 0 / 4 | 3.3 - 61 | 12 |
| Aroclor 1260 | 90 | | 190 | | SD-18-03-ME | 2 / 4 | 3.3 - 61 | 82 |
| beta-BHC | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |

**TABLE 2-76**
**SEDIMENT DATA SUMMARY - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| Dieldrin | 0.33 | J | 0.94 | J | SD-18-03-ME | 3 / 4 | 0.33 - 3.2 | 0.80 |
| Endosulfan I | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| Endosulfan II | | | | | | 0 / 4 | 0.33 - 6.1 | 1.2 |
| Endosulfan sulfate | 0.41 | J | 0.41 | J | SD-18-03-ME | 1 / 4 | 0.33 - 6.1 | 1.3 |
| Endrin | 0.087 | J | 1.3 | J | SD-18-02-ME | 3 / 4 | 0.33 - 3.2 | 1.02 |
| Endrin aldehyde | 2.4 | J | 3.6 | J | SD-18-03-ME | 2 / 4 | 0.33 - 6.1 | 2.7 |
| Endrin ketone | | | | | | 0 / 4 | 0.33 - 6.1 | 1.2 |
| gamma-BHC (Lindane) | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| gamma-Chlordane | 0.17 | J | 26 | J | SD-18-03-ME | 3 / 4 | 0.16 - 1.6 | 7.2 |
| Heptachlor | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| Heptachlor epoxide | | | | | | 0 / 4 | 0.16 - 3.1 | 0.63 |
| Methoxychlor | | | | | | 0 / 4 | 1.6 - 31 | 6.3 |
| Toxaphene | | | | | | 0 / 4 | 16 - 310 | 63 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3970 | | 24100 | | SD-18-03-ME | 6 / 6 | 3.5 - 9.14 | 14237 |
| Antimony | 1.1 | J | 26.9 | | SD-18-02-TR | 6 / 6 | 0.27 - 0.74 | 10.9 |
| Arsenic | 34.9 | | 1490 | | SD-18-02-TR | 6 / 6 | 0.22 - 1 | 696 |
| Barium | 12.3 | | 169 | | SD-18-03-ME | 6 / 6 | 0.018 - 0.4 | 90 |
| Beryllium | 0.67 | J | 2.3 | | SD-18-03-ME | 5 / 6 | 0.02 - 0.44 | 1.3 |
| Cadmium | 1.9 | | 16 | | SD-18-03-ME | 6 / 6 | 0.037 - 0.6 | 11 |
| Calcium | 2960 | | 12700 | J | SD-18-03-FW | 6 / 6 | 1.6 - 2.14 | 7762 |
| Chromium | 109 | J | 4340 | | SD-18-03-ME | 6 / 6 | 0.055 - 1 | 1874 |
| Cobalt | 3.5 | | 54.9 | | SD-18-03-ME | 6 / 6 | 0.36 - 0.38 | 29 |
| Copper | 158 | | 1310 | | SD-18-03-ME | 6 / 6 | 0.082 - 0.44 | 875 |
| Cyanide | | | | | | 0 / 1 | 1.3 | 0.65 |
| Iron | 4460 | | 120000 | | SD-18-02-TR | 6 / 6 | 0.57 - 1.4 | 56643 |
| Lead | 55.4 | | 678 | | SD-18-03-ME | 6 / 6 | 0.27 - 0.6 | 384 |
| Magnesium | 711 | | 2930 | | SD-18-03-ME | 6 / 6 | 0.82 - 15.18 | 1828 |
| Manganese | 93 | J | 1740 | | SD-18-02-TR | 6 / 6 | 0.018 - 0.24 | 964 |
| Mercury | 0.35 | | 7.5 | | SD-18-02-ME | 6 / 6 | 0.005 - 0.24 | 3.6 |
| Nickel | 4.6 | | 46.7 | | SD-18-03-ME | 6 / 6 | 0.15 - 0.8 | 25 |
| Potassium | 195 | J | 1050 | | SD-18-03-ME | 5 / 5 | 2.7 - 4.38 | 606 |
| Selenium | 1.8 | | 9 | J | SD-18-03-ME | 4 / 5 | 0.4 - 1 | 5.60 |
| Silver | 0.62 | J | 0.74 | J | SD-18-02-ME | 2 / 4 | 0.01 - 1 | 0.55 |
| Sodium | 290 | | 1300 | J | SD-18-03-FW | 4 / 6 | 0.22 - 648 | 618 |
| Thallium | | | | | | 0 / 4 | 0.043 - 1.9 | 0.69 |
| Vanadium | 8.9 | | 95.9 | | SD-18-03-ME | 6 / 6 | 0.073 - 0.64 | 49 |
| Zinc | 420 | | 4020 | | SD-18-02-ME | 6 / 6 | 0.16 - 1.7 | 2287 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 225 | J | 257 | J | SD-18-02-ME | 2 / 2 | N/A | 241 |
| Cadmium | 2.3 | | 16 | J | SD-18-03-FW | 6 / 6 | N/A | 10 |
| Copper | 95 | J | 468 | | SD-18-02-TR | 6 / 6 | N/A | 270 |
| Lead | 56 | J | 493 | | SD-18-03-ME | 6 / 6 | N/A | 291 |
| Mercury | 1.9 | J | 1.9 | J | SD-18-02-TR | 1 / 4 | 0.01 - 0.02 | 0.48 |
| Nickel | 14 | | 36 | J | SD-18-03-ME | 3 / 6 | 76.9 - 115 | 37 |
| SEM/AVS Ratio | 0.19 | | 6.1 | | SD-18-02-TR | 6 / 6 | N/A | 1.8 |
| Sulfide | 153 | | 6805 | J | SD-18-03-FW | 6 / 6 | N/A | 1712 |
| Zinc | 469 | J | 2290 | J | SD-18-03-FW | 6 / 6 | N/A | 1378 |
| Total Combustible Organics (mg/Kg) | 61100 | | 423000 | J | SD-18-03-ME | 5 / 5 | 2000 | 273220 |
| Total Organic Carbon (mg/Kg) | 300000 | J | 300000 | J | SD-18-02-TR | 1 / 1 | 250 | 300000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-77
# SEDIMENT DATA SUMMARY - STATION 19
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 32 | 16 |
| 1,1,1-Trichloroethane | | | | | | 0 / 2 | 51 - 237 | 72 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 79 | 40 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 79 | 40 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 237 | 119 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 237 | 119 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 237 | 119 |
| 1,2-Dichloroethene(total) | 16 | J | 18 | J | SD-19-02-FW | 2 / 2 | N/A | 17 |
| 2-Butanone | 160 | J | 290 | J | SD-19-01-FW | 2 / 2 | N/A | 225 |
| Acetone | 310 | J | 310 | J | SD-19-01-TR | 1 / 1 | 51 | 310 |
| Benzene | | | | | | 0 / 1 | 32 | 16 |
| Chloroform | | | | | | 0 / 1 | 79 | 40 |
| cis-1,2-Dichloroethene | 82 | J | 82 | J | SD-19-01-ME | 1 / 1 | 79 | 82 |
| Ethylbenzene | | | | | | 0 / 1 | 32 | 16 |
| Methylene Chloride | | | | | | 0 / 2 | 51 - 237 | 72 |
| Naphthalene | | | | | | 0 / 1 | 237 | 119 |
| Tetrachloroethene | | | | | | 0 / 1 | 237 | 119 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 237 | 119 |
| Trichloroethene | 42 | J | 42 | J | SD-19-01-ME | 1 / 1 | 79 | 42 |
| Vinyl chloride | | | | | | 0 / 1 | 237 | 119 |
| Xylene, m/p- | | | | | | 0 / 1 | 79 | 40 |
| Xylene, o- | | | | | | 0 / 1 | 79 | 40 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 400 | 200 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 400 | 200 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 1000 | 500 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 400 | 200 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 400 | 200 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 400 | 200 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 1000 | 500 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 400 | 200 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 400 | 200 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 400 | 200 |
| 2-Chlorophenol | | | | | | 0 / 1 | 400 | 200 |
| 2-Methylnaphthalene | | | | | | 0 / 2 | 1 - 400 | 101.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 400 | 200 |
| 2-Nitroaniline | | | | | | 0 / 1 | 1000 | 500 |
| 2-Nitrophenol | | | | | | 0 / 1 | 400 | 200 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 400 | 200 |
| 3-Nitroaniline | | | | | | 0 / 1 | 400 | 200 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 1000 | 500 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 400 | 200 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 400 | 200 |
| 4-Chloroaniline | | | | | | 0 / 1 | 400 | 200 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 400 | 200 |
| 4-Nitroaniline | | | | | | 0 / 1 | 1000 | 500 |
| 4-Nitrophenol | | | | | | 0 / 1 | 1000 | 500 |
| Acenaphthene | 3 | J | 3 | J | SD-19-01-ME | 1 / 2 | 1 - 400 | 101.5 |
| Acenaphthylene | 1 | J | 1 | J | SD-19-01-ME | 1 / 2 | 1 - 400 | 100.5 |
| Acetophenone | | | | | | 0 / 1 | 400 | 200 |
| Anthracene | 18 | J | 18 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 109 |
| Atrazine | | | | | | 0 / 1 | 400 | 200 |
| Benzaldehyde | | | | | | 0 / 1 | 400 | 200 |
| Benzo(a)anthracene | 130 | J | 245 | J | SD-19-01-FW | 3 / 4 | 67 - 400 | 193.75 |
| Benzo(a)pyrene | 160 | J | 295 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 233.75 |
| Benzo(b)fluoranthene | 290 | J | 935 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 583.75 |
| Benzo(g,h,i)perylene | 120 | J | 120 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 160 |
| Benzo(k)fluoranthene | 200 | J | 910 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 547.5 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 400 | 200 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 400 | 200 |
| bis(2-Ethylhexyl)phthalate | 290 | J | 570 | J | SD-19-01-FW | 2 / 3 | 400 | 353.3333333 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 400 | 200 |
| Caprolactam | | | | | | 0 / 1 | 400 | 200 |

**TABLE 2-77**
**SEDIMENT DATA SUMMARY - STATION 19**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Carbazole | | | | | | 0 / 1 | 400 | 200 |
| Chrysene | 210 | J | 365 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 276.25 |
| Dibenz(a,h)anthracene | 46 | J | 46 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 123 |
| Dibenzofuran | | | | | | 0 / 1 | 400 | 200 |
| Diethylphthalate | | | | | | 0 / 1 | 400 | 200 |
| Dimethylphthalate | | | | | | 0 / 1 | 400 | 200 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 400 | 200 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 400 | 200 |
| Fluoranthene | 280 | J | 510 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 405 |
| Fluorene | 14 | J | 14 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 107 |
| Hexachlorobenzene | | | | | | 0 / 1 | 400 | 200 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 400 | 200 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 400 | 200 |
| Hexachloroethane | | | | | | 0 / 1 | 400 | 200 |
| Indeno(1,2,3-cd)pyrene | 140 | J | 180 | J | SD-19-01-FW | 2 / 3 | 67 - 400 | 173.3333333 |
| Isophorone | | | | | | 0 / 1 | 400 | 200 |
| Naphthalene | 12 | J | 12 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 106 |
| Nitrobenzene | | | | | | 0 / 1 | 400 | 200 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 400 | 200 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 400 | 200 |
| Pentachlorophenol | | | | | | 0 / 1 | 1000 | 500 |
| Phenanthrene | 160 | J | 160 | J | SD-19-01-ME | 1 / 2 | 67 - 400 | 180 |
| Phenol | | | | | | 0 / 1 | 400 | 200 |
| Pyrene | 270 | J | 415 | J | SD-19-01-FW | 4 / 4 | 67 - 400 | 341.25 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 0.33 | 0.17 |
| 4,4'-DDD | 2.5 | J | 11 | J | SD-19-03-FW | 4 / 5 | 0.33 - 3.1 | 6.3 |
| 4,4'-DDE | 1.6 | J | 20 | J | SD-19-03-FW | 5 / 5 | 0.33 - 3.1 | 8 |
| 4,4'-DDT | 1.95 | J | 3.4 | J | SD-19-02-FW | 3 / 5 | 0.33 - 3.1 | 1.8 |
| Aldrin | 0.67 | J | 0.67 | J | SD-19-01-FW | 1 / 3 | 0.16 - 1.6 | 0.52 |
| alpha-BHC | 0.47 | J | 0.47 | J | SD-19-02-FW | 1 / 3 | 0.16 - 1.6 | 0.45 |
| alpha-Chlordane | 0.98 | J | 4.65 | J | SD-19-01-FW | 4 / 5 | 0.16 - 1.6 | 2.6 |
| Aroclor 1016 | | | | | | 0 / 2 | 3.3 - 31 | 8.6 |
| Aroclor 1221 | | | | | | 0 / 2 | 6.6 - 63 | 17.4 |
| Aroclor 1232 | | | | | | 0 / 2 | 3.3 - 31 | 8.6 |
| Aroclor 1242 | | | | | | 0 / 2 | 3.3 - 31 | 8.6 |
| Aroclor 1248 | 35 | J | 35 | J | SD-19-01-ME | 1 / 2 | 3.3 - 31 | 25 |
| Aroclor 1254 | | | | | | 0 / 2 | 3.3 - 31 | 8.6 |
| Aroclor 1260 | 11 | | 11 | | SD-19-01-ME | 1 / 2 | 3.3 - 31 | 13 |
| beta-BHC | 2.2 | J | 2.35 | J | SD-19-01-FW | 2 / 4 | 0.16 - 1.6 | 1.4 |
| delta-BHC | | | | | | 0 / 2 | 0.16 - 1.6 | 0.440 |
| Dieldrin | 1.8 | J | 4.85 | J | SD-19-01-FW | 4 / 5 | 0.33 - 3.1 | 2.9 |
| Endosulfan I | 0.44 | J | 1.065 | J | SD-19-01-FW | 3 / 4 | 0.16 - 1.6 | 0.76 |
| Endosulfan II | | | | | | 0 / 2 | 0.33 - 3.1 | 0.86 |
| Endosulfan Sulfate | | | | | | 0 / 2 | 0.33 - 3.1 | 0.86 |
| Endrin | 0.92 | J | 5.05 | J | SD-19-01-FW | 4 / 5 | 0.33 - 3.1 | 2.5 |
| Endrin aldehyde | 1.6 | J | 2.4 | J | SD-19-03-FW | 2 / 4 | 0.33 - 3.1 | 1.4 |
| Endrin Ketone | | | | | | 0 / 2 | 0.33 - 3.1 | 0.86 |
| gamma-BHC (Lindane) | | | | | | 0 / 2 | 0.16 - 1.6 | 0.44 |
| gamma-Chlordane | 0.59 | J | 4.8 | J | SD-19-01-FW | 4 / 5 | 0.16 - 1.6 | 2.7 |

**TABLE 2-77**
**SEDIMENT DATA SUMMARY - STATION 19**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Heptachlor | | | | | | 0 / 2 | 0.16 - 1.6 | 0.440 |
| Heptachlor Epoxide | | | | | | 0 / 2 | 0.16 - 1.6 | 0.440 |
| Methoxychlor | | | | | | 0 / 2 | 1.6 - 16 | 4.40 |
| Toxaphene | | | | | | 0 / 2 | 16 - 160 | 44.0 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6240 | J | 19750 | J | SD-19-01-FW | 5 / 5 | 6 - 9.14 | 11190 |
| Antimony | 3.9 | J | 23.15 | J | SD-19-01-FW | 5 / 5 | 0.46 - 0.74 | 12 |
| Arsenic | 180 | J | 4250 | | SD-19-01-TR | 5 / 5 | 0.38 - 1 | 2050 |
| Barium | 40.1 | J | 205 | | SD-19-01-TR | 5 / 5 | 0.031 - 0.4 | 98 |
| Beryllium | 0.68 | J | 2.9 | | SD-19-01-ME | 4 / 4 | 0.047 - 0.2 | 1.6 |
| Cadmium | 7.4 | | 18.9 | J | SD-19-03-FW | 5 / 5 | 0.063 - 0.6 | 12 |
| Calcium | 4120 | | 13400 | J | SD-19-02-FW | 5 / 5 | 2.14 - 2.8 | 8905 |
| Chromium | 93.7 | J | 2335 | J | SD-19-01-FW | 5 / 5 | 0.094 - 1 | 1012 |
| Cobalt | 12.8 | J | 45.05 | J | SD-19-01-FW | 5 / 5 | 0.36 - 0.64 | 26 |
| Copper | 98.6 | J | 1330 | J | SD-19-01-FW | 5 / 5 | 0.14 - 0.44 | 636 |
| Iron | 14400 | J | 258000 | | SD-19-01-TR | 5 / 5 | 0.98 - 1.4 | 109020 |
| Lead | 35.8 | J | 639 | J | SD-19-01-FW | 5 / 5 | 0.46 - 0.6 | 281 |
| Magnesium | 850 | J | 1945 | J | SD-19-01-FW | 5 / 5 | 1.4 - 15.18 | 1329 |
| Manganese | 412 | J | 2020 | | SD-19-01-TR | 5 / 5 | 0.031 - 0.24 | 990 |
| Mercury | 0.48 | J | 7.1 | J | SD-19-01-FW | 4 / 5 | 0.0048 - 0.11 | 2.0 |
| Nickel | 11.1 | J | 33.55 | J | SD-19-01-FW | 4 / 5 | 0.25 - 0.8 | 16 |
| Potassium | 275 | J | 650.5 | J | SD-19-01-FW | 3 / 4 | 4.6 - 342 | 383 |
| Selenium | 2.5 | J | 13.05 | J | SD-19-01-FW | 4 / 5 | 0.69 - 1 | 6.2 |
| Silver | | | | | | 0 / 2 | 0.016 - 1 | 0.280 |
| Sodium | 368 | J | 458 | J | SD-19-02-FW | 3 / 5 | 0.38 - 706 | 349 |
| Thallium | | | | | | 0 / 2 | 0.074 - 1.5 | 0.65 |
| Vanadium | 10.5 | J | 92.65 | J | SD-19-01-FW | 5 / 5 | 0.13 - 0.64 | 42 |
| Zinc | 1080 | | 2960 | J | SD-19-01-FW | 5 / 5 | 0.28 - 1.7 | 1918 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 39 | J | 39 | J | SD-19-01-ME | 1 / 1 | N/A | 39 |
| Cadmium | 7.4 | | 18 | | SD-19-03-FW | 4 / 5 | 5.6 | 9.5 |
| Copper | 24 | | 1540 | J | SD-19-03-FW | 5 / 5 | N/A | 686 |
| Lead | 124 | | 548 | J | SD-19-03-FW | 5 / 5 | N/A | 351 |
| Mercury | 0.020 | J | 0.050 | J | SD-19-03-FW | 2 / 4 | 0.01 | 0.020 |
| Nickel | 0.80 | | 334 | J | SD-19-02-FW | 4 / 5 | 220 | 142 |
| SEM/AVS Ratio | 0.87 | | 4.0 | | SD-19-01-TR | 5 / 5 | N/A | 2.1 |
| Sulfide | 181 | | 1887 | | SD-19-01-FW | 5 / 5 | N/A | 921 |
| Zinc | 629 | J | 2210 | J | SD-19-02-FW | 5 / 5 | N/A | 1597 |
| | | | | | | | | |
| Total Combustible Organics (mg/Kg) | 323500 | | 686000 | J | SD-19-01-ME | 4 / 4 | 2000 | 438125 |
| Total Organic Carbon (mg/Kg) | 290000 | J | 290000 | J | SD-19-01-TR | 1 / 1 | 250 | 290000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-78
## SEDIMENT DATA SUMMARY - STATION 20
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 46 | 23 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 343 | 172 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 114 | 57 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 114 | 57 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 343 | 172 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 343 | 172 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 343 | 172 |
| 1,2-Dichloroethene(total) | 15 | J | 15 | J | SD-20-01-FW | 1 / 1 | N/A | 15 |
| 2-Butanone | 107.5 | J | 107.5 | J | SD-20-01-FW | 1 / 1 | N/A | 108 |
| Acetone | 94 | J | 590 | J | SD-20-01-FW | 2 / 2 | N/A | 342 |
| Benzene | | | | | | 0 / 1 | 46 | 23 |
| Carbon Disulfide | 19 | J | 19 | J | SD-20-01-FW | 1 / 1 | N/A | 19 |
| Chloroform | | | | | | 0 / 1 | 114 | 57 |
| cis-1,2-Dichloroethene | 562 | J | 562 | J | SD-20-01-ME | 1 / 1 | 114 | 562 |
| Ethylbenzene | | | | | | 0 / 1 | 46 | 23 |
| Methylene chloride | | | | | | 0 / 1 | 343 | 172 |
| Naphthalene | | | | | | 0 / 1 | 343 | 172 |
| Tetrachloroethene | | | | | | 0 / 1 | 790 | 395 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 343 | 172 |
| Trichloroethene | 2025 | J | 2025 | J | SD-20-01-ME | 1 / 1 | 114 | 2025 |
| Vinyl chloride | | | | | | 0 / 1 | 343 | 172 |
| Xylene, m/p- | | | | | | 0 / 1 | 114 | 57 |
| Xylene, o- | | | | | | 0 / 1 | 114 | 57 |
| SVOCs - ug/Kg | | | | | | | | |
| 2-Methylnaphthalene | 13 | J | 13 | J | SD-20-01-ME | 1 / 1 | 1 | 13 |
| Acenaphthene | 6 | J | 6 | J | SD-20-01-ME | 1 / 1 | 1 | 6.0 |
| Acenaphthylene | 6 | J | 6 | J | SD-20-01-ME | 1 / 1 | 1 | 6.0 |
| Anthracene | 26 | J | 26 | J | SD-20-01-ME | 1 / 1 | 67 | 26 |
| Benzo(a)anthracene | 210 | | 1100 | J | SD-20-02-FW | 3 / 3 | 67 | 770 |
| Benzo(a)pyrene | 290 | J | 1200 | J | SD-20-02-FW | 3 / 3 | 67 | 740 |
| Benzo(b)fluoranthene | 330 | | 3700 | J | SD-20-02-FW | 4 / 4 | 67 | 2161 |
| Benzo(g,h,i)perylene | 210 | J | 210 | J | SD-20-01-ME | 1 / 1 | 67 | 210 |
| Benzo(k)fluoranthene | 370 | | 370 | | SD-20-01-ME | 1 / 1 | 67 | 370 |
| bis(2-Ethylhexyl)phthalate | 2050 | J | 5900 | J | SD-20-02-FW | 3 / 3 | N/A | 3483 |
| Chrysene | 400 | | 1500 | J | SD-20-03-FW | 3 / 3 | 67 | 1100 |
| Dibenz(a,h)anthracene | 97 | J | 97 | J | SD-20-01-ME | 1 / 1 | 67 | 97 |
| Fluoranthene | 720 | | 3000 | J | SD-20-02-FW | 4 / 4 | 67 | 1848 |
| Fluorene | 36 | J | 36 | J | SD-20-01-ME | 1 / 1 | 1 | 36 |
| Indeno(1,2,3-cd)pyrene | 210 | J | 830 | J | SD-20-02-FW | 2 / 2 | 67 | 520 |
| Naphthalene | 14 | J | 14 | J | SD-20-01-ME | 1 / 1 | 67 | 14 |
| Phenanthrene | 240 | | 890 | J | SD-20-02-FW | 3 / 3 | 67 | 593 |
| Pyrene | 540 | J | 2500 | J | SD-20-02-FW | 3 / 3 | 67 | 1480 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 8.4 | J | 32 | J | SD-20-02-FW | 4 / 4 | 0.31 | 20 |
| 4,4'-DDE | 4.4 | | 32 | J | SD-20-02-FW | 4 / 4 | 0.31 | 20 |
| 4,4'-DDT | 4.6 | J | 4.6 | J | SD-20-01-ME | 1 / 1 | 0.31 | 4.6 |
| alpha-BHC | | | | | | 0 / 1 | 0.16 | 0.080 |
| alpha-Chlordane | 12 | J | 49 | J | SD-20-03-FW | 4 / 4 | 0.16 | 29 |
| Aroclor 1016 | | | | | | 0 / 1 | 3.1 | 1.6 |
| Aroclor 1221 | | | | | | 0 / 1 | 6.2 | 3.1 |
| Aroclor 1232 | | | | | | 0 / 1 | 3.1 | 1.6 |
| Aroclor 1242 | | | | | | 0 / 1 | 3.1 | 1.6 |
| Aroclor 1248 | 28 | J | 28 | J | SD-20-01-ME | 1 / 1 | 3.1 | 28 |
| Aroclor 1254 | | | | | | 0 / 1 | 3.1 | 1.6 |
| Aroclor 1260 | 79 | | 79 | | SD-20-01-ME | 1 / 1 | 3.1 | 79 |
| beta-BHC | | | | | | 0 / 1 | 0.16 | 0.080 |
| delta-BHC | | | | | | 0 / 1 | 0.16 | 0.080 |
| Dieldrin | 0.7 | J | 0.7 | J | SD-20-01-ME | 1 / 1 | 0.31 | 0.70 |

**TABLE 2-78**
**SEDIMENT DATA SUMMARY - STATION 20**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Endosulfan I | 38 | J | 42 | J | SD-20-03-FW | 2 / 3 | 0.16 | 27 |
| Endosulfan II | | | | | | 0 / 1 | 0.31 | 0.16 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.31 | 0.16 |
| Endrin | 0.97 | J | 0.97 | J | SD-20-01-ME | 1 / 1 | 0.31 | 1.0 |
| Endrin Aldehyde | 1.3 | J | 1.3 | J | SD-20-01-ME | 1 / 1 | 0.31 | 1.3 |
| Endrin Ketone | | | | | | 0 / 1 | 0.31 | 0.16 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.16 | 0.08 |
| gamma-Chlordane | 6.8 | J | 11.9 | J | SD-20-01-FW | 2 / 2 | 0.16 | 9.4 |
| Heptachlor Epoxide | 0.49 | J | 0.49 | J | SD-20-01-ME | 1 / 1 | 0.16 | 0.49 |
| Methoxychlor | | | | | | 0 / 1 | 1.6 | 0.80 |
| Toxaphene | | | | | | 0 / 1 | 16 | 8.0 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 13500 | J | 29700 | J | SD-20-03-FW | 4 / 4 | 3.6 | 22113 |
| Antimony | 3.8 | J | 5.4 | J | SD-20-03-FW | 4 / 4 | 0.27 | 4.4 |
| Arsenic | 236 | | 321 | J | SD-20-02-FW | 4 / 4 | 0.22 | 283 |
| Barium | 44.2 | | 151 | J | SD-20-02-FW | 4 / 4 | 0.019 | 91 |
| Beryllium | 1.2 | J | 2 | J | SD-20-03-FW | 4 / 4 | 0.028 | 1.6 |
| Cadmium | 13.15 | J | 18.5 | J | SD-20-03-FW | 4 / 4 | 0.35 | 16 |
| Calcium | 9870 | J | 13150 | J | SD-20-01-FW | 4 / 4 | 1.7 | 11055 |
| Chromium | 1090 | J | 1860 | J | SD-20-02-FW | 4 / 4 | 0.056 | 1463 |
| Cobalt | 25.9 | J | 46.3 | J | SD-20-03-FW | 4 / 4 | 0.38 | 35 |
| Copper | 888 | J | 1075 | J | SD-20-01-FW | 4 / 4 | 0.084 | 1013 |
| Iron | 18500 | J | 43800 | J | SD-20-02-FW | 4 / 4 | 0.58 | 30325 |
| Lead | 449.5 | J | 1200 | J | SD-20-03-FW | 4 / 4 | 0.27 | 770 |
| Magnesium | 1530 | | 6720 | J | SD-20-03-FW | 4 / 4 | 3.6 | 4145 |
| Manganese | 511 | J | 901.5 | J | SD-20-01-FW | 4 / 4 | 0.019 | 729 |
| Mercury | 1 | J | 3.3 | J | SD-20-03-FW | 4 / 4 | 0.0051 | 2.1 |
| Nickel | 27.5 | J | 57.7 | J | SD-20-03-FW | 4 / 4 | 0.15 | 43 |
| Potassium | 454 | J | 2000 | J | SD-20-03-FW | 4 / 4 | 2.8 | 1176 |
| Selenium | 3.3 | J | 11.1 | J | SD-20-01-FW | 4 / 4 | 0.054 | 7.1 |
| Silver | 0.29 | J | 1.6 | J | SD-20-02-FW | 2 / 2 | 0.01 | 0.95 |
| Sodium | 612 | | 979 | J | SD-20-02-FW | 4 / 4 | 0.22 | 853 |
| Thallium | 4.4 | J | 4.4 | J | SD-20-03-FW | 1 / 2 | 0.039 - 0.44 | 2.3 |
| Vanadium | 38.2 | | 115 | J | SD-20-03-FW | 4 / 4 | 0.075 | 77 |
| Zinc | 1670 | J | 3470 | J | SD-20-02-FW | 4 / 4 | 0.17 | 2725 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 84 | J | 84 | J | SD-20-01-ME | 1 / 1 | N/A | 84 |
| Cadmium | 10 | J | 17 | J | SD-20-01-FW | 4 / 4 | N/A | 14 |
| Copper | 82 | J | 619 | J | SD-20-03-FW | 4 / 4 | N/A | 461 |
| Lead | 296 | J | 796 | | SD-20-03-FW | 4 / 4 | N/A | 552 |
| Mercury | 0.040 | | 0.040 | | SD-20-03-FW | 1 / 4 | 0.01 - 10.03 | 1.3 |
| Nickel | 42 | J | 42 | J | SD-20-01-ME | 1 / 4 | 41.4 - 202 | 58 |
| SEM/AVS Ratio | 1.4 | | 38 | | SD-20-03-FW | 4 / 4 | N/A | 11 |
| Sulfide | 42 | | 851 | J | SD-20-02-FW | 4 / 4 | N/A | 570 |
| Zinc | 1358 | J | 2830 | J | SD-20-02-FW | 4 / 4 | N/A | 2032 |
| Total Combustible Organics (mg/Kg) | 234000 | | 441000 | J | SD-20-01-ME | 4 / 4 | 2000 | 321000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-79
# SEDIMENT DATA SUMMARY - STATION 21
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 31 | 16 |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 75 | 38 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 75 | 38 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 75 | 38 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 225 | 113 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 225 | 113 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 225 | 113 |
| Benzene | 22 | J | 22 | J | SD-21-01-ME | 1 / 1 | 225 | 22 |
| Chloroform | | | | | | 0 / 1 | 75 | 38 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 76 | 38 |
| Ethylbenzene | | | | | | 0 / 1 | 30 | 15 |
| Methylene chloride | | | | | | 0 / 1 | 225 | 113 |
| Naphthalene | 208.25 | J | 208.25 | J | SD-21-01-ME | 1 / 1 | 75 | 208 |
| Tetrachloroethene | | | | | | 0 / 1 | 75 | 38 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 225 | 113 |
| Trichloroethene | 19 | J | 19 | J | SD-21-01-ME | 1 / 1 | 30 | 19 |
| Vinyl chloride | | | | | | 0 / 1 | 225 | 113 |
| Xylene, m/p- | | | | | | 0 / 1 | 30 | 15 |
| Xylene, o- | | | | | | 0 / 1 | 75 | 38 |
| SVOCs - ug/Kg | | | | | | | | |
| 2-Methylnaphthalene | 140 | | 140 | | SD-21-01-ME | 1 / 1 | 67 | 140 |
| Acenaphthene | 67 | J | 67 | J | SD-21-01-ME | 1 / 1 | 67 | 67 |
| Acenaphthylene | 38 | J | 38 | J | SD-21-01-ME | 1 / 1 | 67 | 38 |
| Anthracene | 420 | | 420 | | SD-21-01-ME | 1 / 1 | 67 | 420 |
| Benzo(a)anthracene | 390 | | 390 | | SD-21-01-ME | 1 / 1 | 67 | 390 |
| Benzo(a)pyrene | 890 | J | 890 | J | SD-21-01-ME | 1 / 1 | 67 | 890 |
| Benzo(b)fluoranthene | 740 | J | 3100 | J | SD-21-01-FW | 3 / 3 | 67 | 1607 |
| Benzo(g,h,i)perylene | 710 | J | 710 | J | SD-21-01-ME | 1 / 1 | 67 | 710 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 67 | 34 |
| bis(2-Ethylhexyl)phthalate | 990 | J | 3100 | J | SD-21-01-FW | 3 / 3 | N/A | 2397 |
| Chrysene | 940 | | 940 | | SD-21-01-ME | 1 / 1 | 67 | 940 |
| Dibenz(a,h)anthracene | 240 | J | 240 | J | SD-21-01-ME | 1 / 1 | 67 | 240 |
| Fluoranthene | 970 | J | 2500 | J | SD-21-01-FW | 3 / 3 | 67 | 1623 |
| Fluorene | 240 | | 240 | | SD-21-01-ME | 1 / 1 | 67 | 240 |
| Indeno(1,2,3-cd)pyrene | 620 | J | 620 | J | SD-21-01-ME | 1 / 1 | 67 | 620 |
| Naphthalene | 1300 | J | 2500 | J | SD-21-02-FW | 2 / 2 | 67 | 1900 |
| Phenanthrene | 600 | | 600 | | SD-21-01-ME | 1 / 1 | 67 | 600 |
| Pyrene | 620 | J | 2400 | J | SD-21-01-FW | 3 / 3 | 67 | 1440 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 3.6 | 1.8 |
| 4,4'-DDD | 27 | J | 35 | J | SD-21-01-ME | 3 / 3 | 3.2 | 30 |
| 4,4'-DDE | 22 | | 36 | J | SD-21-01-FW | 3 / 3 | 3.2 | 31 |
| 4,4'-DDT | 4.4 | J | 4.4 | J | SD-21-01-ME | 1 / 1 | 3.2 | 4.4 |
| Aldrin | | | | | | 0 / 1 | 1.6 | 0.80 |
| alpha-BHC | | | | | | 0 / 1 | 1.6 | 0.80 |
| alpha-Chlordane | 29 | | 62 | J | SD-21-03-FW | 3 / 3 | 1.6 | 50 |
| Aroclor 1016 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1221 | | | | | | 0 / 1 | 6.3 | 3.2 |
| Aroclor 1232 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1242 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1248 | 240 | J | 240 | J | SD-21-01-ME | 1 / 1 | 3.2 | 240 |
| Aroclor 1254 | | | | | | 0 / 1 | 3.2 | 1.6 |
| Aroclor 1260 | 420 | | 420 | | SD-21-01-ME | 1 / 1 | 3.2 | 420 |
| beta-BHC | | | | | | 0 / 1 | 1.6 | 0.80 |

**TABLE 2-79**
**SEDIMENT DATA SUMMARY - STATION 21**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 1.8 | J | 1.8 | J | SD-21-01-ME | 1 / 1 | 1.6 | 1.8 |
| Dieldrin | | | | | | 0 / 1 | 3.2 | 1.6 |
| Endosulfan I | 14 | J | 68 | J | SD-21-01-FW | 3 / 4 | 1.6 | 35 |
| Endosulfan II | 5.2 | | 5.2 | | SD-21-01-ME | 1 / 1 | 3.2 | 5.2 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 3.2 | 1.6 |
| Endrin | 3.6 | J | 16 | J | SD-21-01-FW | 2 / 2 | 3.2 | 9.8 |
| Endrin Aldehyde | 9 | J | 9 | J | SD-21-01-ME | 1 / 1 | 3.2 | 9.0 |
| Endrin Ketone | | | | | | 0 / 1 | 3.2 | 1.6 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 1.6 | 0.80 |
| gamma-Chlordane | 19 | J | 47 | J | SD-21-03-FW | 2 / 2 | 1.6 | 33 |
| Heptachlor | | | | | | 0 / 1 | 1.6 | 0.80 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 1.6 | 0.80 |
| Methoxychlor | | | | | | 0 / 1 | 16 | 8.0 |
| Toxaphene | | | | | | 0 / 1 | 160 | 80 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 8890 | J | 18400 | J | SD-21-01-FW | 4 / 4 | 3.6 | 13648 |
| Antimony | 2 | J | 2 | J | SD-21-01-ME | 1 / 1 | 0.27 | 2.0 |
| Arsenic | 121 | J | 258 | | SD-21-01-ME | 4 / 4 | 0.22 | 175 |
| Barium | 55.3 | J | 181 | | SD-21-01-ME | 4 / 4 | 0.019 | 128 |
| Beryllium | 0.68 | J | 1.1 | J | SD-21-01-FW | 4 / 4 | 0.028 | 0.90 |
| Cadmium | 14.1 | | 20.5 | J | SD-21-02-FW | 4 / 4 | 0.36 | 18 |
| Calcium | 4920 | J | 8290 | | SD-21-01-ME | 4 / 4 | 1.7 | 6460 |
| Chromium | 489 | J | 5590 | J | SD-21-01-ME | 4 / 4 | 0.056 | 2400 |
| Cobalt | 12.8 | J | 29.9 | J | SD-21-01-FW | 4 / 4 | 0.38 | 23 |
| Copper | 324 | J | 613 | | SD-21-01-ME | 4 / 4 | 0.084 | 457 |
| Iron | 11300 | J | 28000 | J | SD-21-01-FW | 4 / 4 | 0.58 | 21950 |
| Lead | 187 | J | 722 | J | SD-21-01-FW | 4 / 4 | 0.27 | 527 |
| Magnesium | 1250 | J | 4710 | J | SD-21-01-FW | 4 / 4 | 3.6 | 3115 |
| Manganese | 101 | J | 268 | | SD-21-01-ME | 4 / 4 | 0.019 | 208 |
| Mercury | 0.15 | | 18.2 | J | SD-21-03-FW | 4 / 4 | 0.0051 | 10 |
| Nickel | 17.9 | J | 46.8 | J | SD-21-01-FW | 4 / 4 | 0.15 | 33 |
| Potassium | 245 | J | 1330 | J | SD-21-01-FW | 4 / 4 | 2.8 | 789 |
| Selenium | 3 | J | 3.5 | J | SD-21-01-FW | 3 / 3 | 0.054 | 3.2 |
| Silver | 0.3 | J | 0.3 | J | SD-21-01-ME | 1 / 1 | 0.01 | 0.30 |
| Sodium | 796 | | 1240 | J | SD-21-01-FW | 4 / 4 | 0.22 | 1006 |
| Thallium | | | | | | 0 / 1 | 0.44 | 0.22 |
| Vanadium | 26.6 | J | 77.3 | J | SD-21-01-FW | 4 / 4 | 0.075 | 54 |
| Zinc | 2350 | J | 4940 | J | SD-21-01-ME | 4 / 4 | 0.17 | 3563 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 14 | J | 14 | J | SD-21-01-ME | 1 / 1 | N/A | 14 |
| Cadmium | 8.8 | J | 15 | J | SD-21-02-FW | 3 / 4 | 10.08 | 11 |
| Copper | 226 | J | 348 | J | SD-21-01-FW | 3 / 4 | 3.175 | 223 |
| Lead | 276 | J | 548 | J | SD-21-01-FW | 4 / 4 | N/A | 398 |
| Mercury | 0.080 | J | 0.18 | J | SD-21-01-FW | 3 / 4 | 10.03 | 1.3 |
| Nickel | 10 | J | 10 | J | SD-21-01-ME | 1 / 4 | 21.4 - 34.9 | 12 |
| SEM/AVS Ratio | 0.99 | | 18 | | SD-21-03-FW | 4 / 4 | N/A | 8.5 |
| Sulfide | 58 | J | 899 | | SD-21-01-ME | 4 / 4 | N/A | 402 |
| Zinc | 1694 | J | 3620 | J | SD-21-02-FW | 4 / 4 | N/A | 2556 |
| Total Combustible Organics (mg/Kg) | 344000 | J | 344000 | J | SD-21-01-ME | 1 / 1 | 2000 | 344000 |
| Total Organic Carbon (mg/Kg) | 244000 | | 441000 | | SD-21-02-FW | 3 / 3 | N/A | 324333 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-80**
**SEDIMENT DATA SUMMARY - STATION 22/TT-22**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 1 | 27 | 14 |
| 1,1,1-Trichloroethane | | | | | | 0 / 3 | 26 - 205 | 64 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 2 | 26 - 68 | 24 |
| 1,1,2-Trichloroethane | | | | | | 0 / 2 | 26 - 68 | 24 |
| 1,1-Dichloroethane | | | | | | 0 / 2 | 26 - 205 | 58 |
| 1,1-Dichloroethene | | | | | | 0 / 2 | 26 - 205 | 58 |
| 1,2-Dichloroethane | | | | | | 0 / 2 | 26 - 205 | 58 |
| 1,2-Dichloroethene(total) | | | | | | 0 / 1 | 26 | 13 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 26 | 13 |
| 2-Butanone | | | | | | 0 / 1 | 26 | 13 |
| 2-Hexanone | | | | | | 0 / 1 | 26 | 13 |
| 4-Methyl-2-pentanone | | | | | | 0 / 1 | 26 | 13 |
| Acetone | 2400 | J | 2400 | J | SD-22-01-TR | 1 / 2 | 26 - 150 | 1207 |
| Benzene | | | | | | 0 / 2 | 26 - 27 | 13 |
| Bromodichloromethane | | | | | | 0 / 1 | 26 | 13 |
| Bromoform | | | | | | 0 / 1 | 26 | 13 |
| Bromomethane | | | | | | 0 / 1 | 26 | 13 |
| Carbon Disulfide | | | | | | 0 / 1 | 26 | 13 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 26 | 13 |
| Chlorobenzene | | | | | | 0 / 1 | 26 | 13 |
| Chloroethane | | | | | | 0 / 1 | 26 | 13 |
| Chloroform | | | | | | 0 / 2 | 26 - 68 | 24 |
| Chloromethane | | | | | | 0 / 1 | 26 | 13 |
| cis-1,2-Dichloroethene | 73 | J | 73 | J | SD-22-02-ME | 1 / 1 | 68 | 73 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 26 | 13 |
| Dibromochloromethane | | | | | | 0 / 1 | 26 | 13 |
| Ethylbenzene | | | | | | 0 / 2 | 26 - 27 | 13 |
| Methylene Chloride | 28 | J | 100 | J | SD-22-03-FW | 2 / 4 | 150 - 205 | 76 |
| Naphthalene | | | | | | 0 / 1 | 205 | 103 |
| Styrene | | | | | | 0 / 1 | 26 | 13 |
| Tetrachloroethene | 120 | | 3164 | | SD-22-02-ME | 4 / 4 | 205 | 1131 |
| Toluene | | | | | | 0 / 1 | 26 | 13 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 205 | 103 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 26 | 13 |
| Trichloroethene | 21 | J | 803 | | SD-22-02-ME | 3 / 4 | 26 - 68 | 259 |
| Vinyl Chloride | | | | | | 0 / 2 | 26 - 205 | 58 |
| Xylene, m/p- | | | | | | 0 / 1 | 68 | 34 |
| Xylene, o- | | | | | | 0 / 1 | 68 | 34 |
| Xylenes (total) | | | | | | 0 / 1 | 26 | 13 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 540 | 270 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 1 | 870 | 435 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 870 | 435 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 870 | 435 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 870 | 435 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2-Chlorophenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2-Methylnaphthalene | 13 | J | 13 | J | SD-22-02-ME | 1 / 3 | 1 - 870 | 239 |
| 2-Methylphenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 2-Nitroaniline | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| 2-Nitrophenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 540 - 870 | 353 |
| 3-Nitroaniline | | | | | | 0 / 2 | 540 - 2100 | 660 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 540 - 870 | 353 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| 4-Chloroaniline | | | | | | 0 / 2 | 540 - 870 | 353 |

**TABLE 2-80**
**SEDIMENT DATA SUMMARY - STATION 22/TT-22**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 2 | 540 - 870 | 353 |
| 4-Methylphenol | | | | | | 0 / 1 | 870 | 435 |
| 4-Nitroaniline | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| 4-Nitrophenol | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| Acenaphthene | 11 | J | 11 | J | SD-22-02-ME | 1 / 3 | 1 - 870 | 239 |
| Acenaphthylene | 12 | J | 12 | J | SD-22-02-ME | 1 / 3 | 1 - 870 | 239 |
| Acetophenone | | | | | | 0 / 1 | 540 | 270 |
| Anthracene | 46 | J | 46 | J | SD-22-02-ME | 1 / 3 | 67 - 870 | 250 |
| Atrazine | | | | | | 0 / 1 | 540 | 270 |
| Benzaldehyde | | | | | | 0 / 1 | 540 | 270 |
| Benzo(a)anthracene | 300 | | 300 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 335 |
| Benzo(a)pyrene | 200 | | 200 | | SD-22-02-ME | 1 / 2 | 67 - 870 | 318 |
| Benzo(b)fluoranthene | 430 | J | 440 | | SD-22-02-ME | 2 / 4 | 67 - 870 | 394 |
| Benzo(g,h,i)perylene | 190 | | 190 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 298 |
| Benzo(k)fluoranthene | 290 | | 540 | J | SD-22-01-TR | 2 / 3 | 67 - 870 | 422 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 2 | 540 - 870 | 353 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 2 | 540 - 870 | 353 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Caprolactam | | | | | | 0 / 1 | 540 | 270 |
| Carbazole | | | | | | 0 / 2 | 540 - 870 | 353 |
| Chrysene | 400 | | 400 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 368 |
| Dibenz(a,h)anthracene | 44 | J | 44 | J | SD-22-02-ME | 1 / 3 | 67 - 870 | 250 |
| Dibenzofuran | | | | | | 0 / 2 | 540 - 870 | 353 |
| Diethylphthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Dimethylphthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 540 - 870 | 353 |
| Fluoranthene | 260 | J | 840 | | SD-22-02-ME | 3 / 4 | 67 - 540 | 475 |
| Fluorene | 26 | J | 26 | J | SD-22-02-ME | 1 / 3 | 1 - 870 | 244 |
| Hexachlorobenzene | | | | | | 0 / 2 | 540 - 870 | 353 |
| Hexachlorobutadiene sv | | | | | | 0 / 2 | 540 - 870 | 353 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 540 - 870 | 353 |
| Hexachloroethane | | | | | | 0 / 2 | 540 - 870 | 353 |
| Indeno(1,2,3-cd)pyrene | 220 | | 220 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 308 |
| Isophorone | | | | | | 0 / 2 | 540 - 870 | 353 |
| Naphthalene | 25 | J | 25 | J | SD-22-02-ME | 1 / 3 | 1 - 870 | 243 |
| Nitrobenzene | | | | | | 0 / 2 | 540 - 870 | 353 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 540 - 870 | 353 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 540 - 870 | 353 |
| Pentachlorophenol | | | | | | 0 / 2 | 1400 - 2100 | 875 |
| Phenanthrene | 490 | | 490 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 398 |
| Phenol | | | | | | 0 / 2 | 540 - 870 | 353 |
| Pyrene | 610 | | 610 | | SD-22-02-ME | 1 / 3 | 67 - 870 | 438 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 1 | 0.31 | 0.16 |
| 4,4'-DDD | 9.6 | J | 9.6 | J | SD-22-02-ME | 1 / 3 | 0.31 - 8.7 | 5.4 |
| 4,4'-DDE | 8.3 | J | 31 | | SD-22-02-ME | 3 / 4 | 0.31 - 4.5 | 18 |
| 4,4'-DDT | 2.7 | J | 2.7 | J | SD-22-02-ME | 1 / 3 | 0.31 - 8.7 | 3.1 |
| Aldrin | | | | | | 0 / 3 | 0.15 - 4.5 | 1.2 |
| alpha-BHC | | | | | | 0 / 3 | 0.15 - 4.5 | 1.2 |
| alpha-Chlordane | 1.2 | J | 1.2 | J | SD-22-02-ME | 1 / 3 | 0.15 - 4.5 | 1.5 |
| Aroclor 1016 | | | | | | 0 / 3 | 3.1 - 87 | 23 |
| Aroclor 1221 | | | | | | 0 / 3 | 6.2 - 180 | 46 |
| Aroclor 1232 | | | | | | 0 / 3 | 3.1 - 87 | 23 |
| Aroclor 1242 | | | | | | 0 / 3 | 3.1 - 87 | 23 |
| Aroclor 1248 | 8.1 | J | 8.1 | J | SD-22-02-ME | 1 / 3 | 3.1 - 87 | 25 |
| Aroclor 1254 | | | | | | 0 / 3 | 3.1 - 87 | 23 |
| Aroclor 1260 | 29 | | 29 | | SD-22-02-ME | 1 / 3 | 3.1 - 87 | 32 |
| beta-BHC | | | | | | 0 / 3 | 0.15 - 4.5 | 1.2 |

**TABLE 2-80**
**SEDIMENT DATA SUMMARY - STATION 22/TT-22**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| delta-BHC | 0.16 | J | 0.16 | J | SD-22-02-ME | 1 / 3 | 0.15 - 4.5 | 1.2 |
| Dieldrin | 0.38 | J | 0.38 | J | SD-22-02-ME | 1 / 3 | 0.31 - 8.7 | 2.3 |
| Endosulfan I | 0.18 | J | 4.4 | J | SD-22-03-FW | 4 / 5 | 0.15 - 2.3 | 2.5 |
| Endosulfan II | 0.48 | J | 0.48 | J | SD-22-02-ME | 1 / 3 | 0.31 - 8.7 | 2.4 |
| Endosulfan sulfate | | | | | | 0 / 3 | 0.31 - 8.7 | 2.3 |
| Endrin | | | | | | 0 / 3 | 0.31 - 8.7 | 2.3 |
| Endrin aldehyde | 3.3 | J | 3.3 | J | SD-22-02-ME | 1 / 3 | 0.31 - 8.7 | 3.3 |
| Endrin ketone | | | | | | 0 / 3 | 0.31 - 8.7 | 2.3 |
| gamma-BHC (Lindane) | | | | | | 0 / 3 | 0.15 - 4.5 | 1.2 |
| gamma-Chlordane | 0.19 | J | 0.19 | J | SD-22-02-ME | 1 / 3 | 0.15 - 4.5 | 1.2 |
| Heptachlor | | | | | | 0 / 3 | 0.15 - 4.5 | 1.2 |
| Heptachlor epoxide | 0.29 | J | 4.9 | J | SD-22-01-FW | 3 / 4 | 0.15 - 2.3 | 2.2 |
| Methoxychlor | | | | | | 0 / 3 | 1.5 - 45 | 12 |
| Toxaphene | | | | | | 0 / 3 | 15 - 450 | 116 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2560 | | 13200 | | SD-TT-22-03 | 8 / 8 | 3.6 - 9.14 | 4711 |
| Antimony | 0.94 | J | 329 | J | SD-TT-22-01 | 5 / 6 | 0.27 - 2.1 | 70 |
| Arsenic | 5.2 | J | 87.3 | J | SD-TT-22-01 | 5 / 6 | 0.23 - 3.7 | 21 |
| Barium | 20.3 | | 51.4 | J | SD-22-03-FW | 8 / 8 | 0.019 - 0.4 | 41 |
| Beryllium | 0.2 | | 1.1 | J | SD-22-01-FW | 8 / 8 | 0.028 - 0.2 | 0.49 |
| Cadmium | 0.2 | | 1.7 | J | SD-TT-22-02 | 7 / 7 | 0.0049 - 0.6 | 1.0 |
| Calcium | 4480 | | 30500 | J | SD-22-03-FW | 8 / 8 | 1.7 - 2.14 | 16569 |
| Chromium | 7.1 | J | 85.3 | J | SD-TT-22-02 | 8 / 8 | 0.056 - 1 | 25 |
| Cobalt | 1.3 | | 7 | | SD-TT-22-03 | 8 / 8 | 0.36 - 0.39 | 2.8 |
| Copper | 9.6 | J | 37.5 | J | SD-TT-22-03 | 8 / 8 | 0.085 - 0.44 | 23 |
| Cyanide | | | | | | 0 / 1 | 1.3 | 0.65 |
| Iron | 2310 | J | 11900 | | SD-TT-22-03 | 8 / 8 | 0.58 - 1.4 | 4245 |
| Lead | 383 | J | 41000 | J | SD-TT-22-01 | 8 / 8 | 0.27 - 0.6 | 6765 |
| Magnesium | 735 | | 4460 | | SD-TT-22-03 | 8 / 8 | 3.6 - 15.18 | 1673 |
| Manganese | 34.4 | J | 194 | J | SD-TT-22-03 | 8 / 8 | 0.019 - 0.24 | 71 |
| Mercury | 0.05 | J | 0.5 | | SD-22-02-ME | 4 / 6 | 0.0052 - 0.1 | 0.15 |
| Nickel | 3.9 | | 18 | | SD-TT-22-03 | 8 / 8 | 0.15 - 0.8 | 7.8 |
| Potassium | 134 | J | 1360 | | SD-TT-22-03 | 8 / 8 | 2.8 - 4.38 | 425 |
| Selenium | 1.9 | J | 8.1 | J | SD-22-02-ME | 6 / 8 | 0.054 - 2 | 3.7 |
| Silver | 0.22 | J | 3.3 | J | SD-TT-22-01 | 3 / 4 | 0.01 - 1 | 1.2 |
| Sodium | 204 | | 1320 | | SD-22-01-TR | 8 / 8 | 0.23 - 98.04 | 697 |
| Thallium | | | | | | 0 / 6 | 0.039 - 1.2 | 0.43 |
| Vanadium | 8.5 | | 50.1 | | SD-TT-22-03 | 8 / 8 | 0.075 - 0.64 | 31 |
| Zinc | 23 | | 122 | J | SD-TT-22-03 | 8 / 8 | 0.17 - 1.7 | 70 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | | | | | | 0 / 1 | 3.745 | 1.9 |
| Cadmium | 0.23 | J | 0.59 | J | SD-22-01-TR | 3 / 5 | 0.37 - 5.6 | 0.87 |
| Copper | 12 | | 42 | J | SD-22-02-FW | 3 / 5 | 17.1 - 44.2 | 24 |
| Lead | 258 | J | 4227 | J | SD-22-02-ME | 5 / 5 | N/A | 1526 |
| Mercury | 0.44 | J | 0.44 | J | SD-22-01-TR | 1 / 5 | 0.01 - 10.03 | 1.1 |
| Nickel | 5.4 | | 147 | J | SD-22-02-FW | 3 / 5 | 19.9 - 73.2 | 44 |
| SEM/AVS Ratio | 0.64 | | 468 | | SD-22-02-ME | 5 / 5 | N/A | 95 |
| Sulfide | 9.3 | | 173 | J | SD-22-01-FW | 4 / 5 | 1.605 | 65 |
| Zinc | 24 | J | 138 | J | SD-22-02-ME | 5 / 5 | N/A | 67 |
| | | | | | | | | |
| Wet Parameters | | | | | | | | |
| Chromium VI | | | | | | 0 / 1 | 1.59 | 0.80 |
| pH | 5.95 | | 5.95 | | SD-TT-22-03 | 1 / 1 | N/A | 6.0 |
| Redox Potential | 324 | | 324 | | SD-TT-22-03 | 1 / 1 | N/A | 324 |
| Sulfide | 52.3 | J | 52.3 | J | SD-TT-22-03 | 1 / 1 | N/A | 52 |
| | | | | | | | | |
| Total Combustible Organics - mg/Kg | 693000 | J | 693000 | J | SD-22-02-ME | 1 / 1 | 2000 | 693000 |
| Total Organic Carbon - mg/Kg | 198000 | | 514000 | | SD-22-03-FW | 4 / 4 | 250 | 378250 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-81
# SEDIMENT DATA SUMMARY - STATION AM
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 7500 | | 7500 | | SD-AM-01 | 1 / 1 | 4.2327 | 7500 |
| Antimony | 2 | J | 2 | J | SD-AM-01 | 1 / 1 | 0.4233 | 2 |
| Arsenic | 121 | | 121 | | SD-AM-01 | 1 / 1 | 0.4233 | 121 |
| Barium | 58.4 | | 58.4 | | SD-AM-01 | 1 / 1 | 0.4233 | 58 |
| Beryllium | 0.64 | | 0.64 | | SD-AM-01 | 1 / 1 | 0.1693 | 0.64 |
| Cadmium | 3.9 | | 3.9 | | SD-AM-01 | 1 / 1 | 0.1693 | 3.9 |
| Calcium | 3480 | J | 3480 | J | SD-AM-01 | 1 / 1 | 8.4654 | 3480 |
| Chromium | 322 | | 322 | | SD-AM-01 | 1 / 1 | 0.4233 | 322 |
| Cobalt | 20.3 | | 20.3 | | SD-AM-01 | 1 / 1 | 0.4233 | 20.3 |
| Copper | 197 | | 197 | | SD-AM-01 | 1 / 1 | 0.4233 | 197 |
| Cyanide | 0.85 | J | 0.85 | J | SD-AM-01 | 1 / 1 | 0.2822 | 0.85 |
| Iron | 23400 | J | 23400 | J | SD-AM-01 | 1 / 1 | 1.6931 | 23400 |
| Lead | 150 | | 150 | | SD-AM-01 | 1 / 1 | 0.254 | 150 |
| Magnesium | 2010 | | 2010 | | SD-AM-01 | 1 / 1 | 8.4654 | 2010 |
| Manganese | 1140 | J | 1140 | J | SD-AM-01 | 1 / 1 | 0.4233 | 1140 |
| Mercury | 1.9 | | 1.9 | | SD-AM-01 | 1 / 1 | 0.0899 | 1.90 |
| Nickel | 18 | J | 18 | J | SD-AM-01 | 1 / 1 | 0.4233 | 18.0 |
| Potassium | 497 | | 497 | | SD-AM-01 | 1 / 1 | 16.93 | 497 |
| Selenium | 1.1 | J | 1.1 | J | SD-AM-01 | 1 / 1 | 0.8558 | 1.1 |
| Silver | | | | | | 0 / 1 | 0.4233 | 0.21 |
| Sodium | 231 | J | 231 | J | SD-AM-01 | 1 / 1 | 42.327 | 231 |
| Thallium | 0.44 | J | 0.44 | J | SD-AM-01 | 1 / 1 | 0.2568 | 0.44 |
| Vanadium | 26.9 | | 26.9 | | SD-AM-01 | 1 / 1 | 0.4233 | 27 |
| Zinc | 941 | | 941 | | SD-AM-01 | 1 / 1 | 0.4233 | 941 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-82**
**SEDIMENT DATA SUMMARY - STATION AS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 15700 | | 18800 | | SD-AS-02 | 2 / 2 | 3.9828 - 4.4604 | 17250 |
| Antimony | 2.15 | J | 2.9 | J | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 2.5 |
| Arsenic | 111 | | 121 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 116 |
| Barium | 95.85 | | 109 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 102 |
| Beryllium | 0.895 | | 1.1 | | SD-AS-02 | 2 / 2 | 0.1593 - 0.1784 | 1.0 |
| Cadmium | 10.6 | | 13.3 | | SD-AS-02 | 2 / 2 | 0.1593 - 0.1784 | 12 |
| Calcium | 5740 | J | 6120 | J | SD-AS-02 | 2 / 2 | 7.9655 - 8.9208 | 5930 |
| Chromium | 576.5 | | 918 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 747 |
| Cobalt | 19.7 | | 21 | | SD-AS-01 | 2 / 2 | 0.3983 - 0.446 | 20 |
| Copper | 444.5 | | 576 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 510 |
| Cyanide | 1.5 | J | 3.8 | J | SD-AS-01 | 2 / 2 | 0.3754 - 0.3951 | 2.7 |
| Iron | 27850 | J | 29200 | J | SD-AS-02 | 2 / 2 | 1.5931 - 1.7842 | 28525 |
| Lead | 484 | | 661 | | SD-AS-02 | 2 / 2 | 0.239 - 0.2676 | 573 |
| Magnesium | 4435 | | 5130 | | SD-AS-02 | 2 / 2 | 7.9655 - 8.9208 | 4783 |
| Manganese | 378.5 | J | 384 | J | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 381 |
| Mercury | 3.05 | | 3.1 | | SD-AS-02 | 2 / 2 | 0.1225 - 0.1251 | 3.1 |
| Nickel | 35 | J | 39.4 | J | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 37 |
| Potassium | 963.5 | | 1180 | | SD-AS-02 | 2 / 2 | 15.931 - 17.841 | 1072 |
| Selenium | 1.8 | J | 1.95 | J | SD-AS-01 | 2 / 2 | 0.7593 - 0.906 | 1.9 |
| Silver | 0.605 | J | 0.76 | J | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 0.68 |
| Sodium | 462 | | 562 | | SD-AS-02 | 2 / 2 | 39.827 - 44.603 | 512 |
| Thallium | 0.95 | J | 1.2 | J | SD-AS-02 | 2 / 2 | 0.2278 - 0.2718 | 1.1 |
| Vanadium | 59 | | 72.6 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 66 |
| Zinc | 2085 | | 2290 | | SD-AS-02 | 2 / 2 | 0.3983 - 0.446 | 2188 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-83**
**SEDIMENT DATA SUMMARY - STATION BW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 15500 | | 19250 | | SD-BW-01 | 5 / 5 | N/A | 17070 |
| Antimony | 11.1 | J | 19.75 | J | SD-BW-01 | 5 / 5 | N/A | 13.3 |
| Arsenic | 656 | J | 1360 | J | SD-BW-03 | 5 / 5 | N/A | 840 |
| Barium | 81.9 | | 181 | | SD-BW-02 | 5 / 5 | N/A | 139 |
| Beryllium | 1.1 | | 1.4 | | SD-BW-04 | 5 / 5 | N/A | 1.3 |
| Cadmium | 6 | | 12.2 | J | SD-BW-02 | 5 / 5 | N/A | 10 |
| Calcium | 5210 | | 10200 | | SD-BW-01 | 5 / 5 | N/A | 7472 |
| Chromium | 720 | | 2305 | | SD-BW-01 | 5 / 5 | N/A | 1398 |
| Cobalt | 23.6 | | 57.5 | | SD-BW-05 | 5 / 5 | N/A | 41 |
| Copper | 535 | | 836 | | SD-BW-01 | 5 / 5 | N/A | 662 |
| Iron | 54850 | | 189000 | | SD-BW-03 | 5 / 5 | N/A | 116030 |
| Lead | 405 | | 570.5 | | SD-BW-01 | 5 / 5 | N/A | 480 |
| Magnesium | 3440 | | 4390 | | SD-BW-04 | 5 / 5 | N/A | 3775 |
| Manganese | 521 | | 1530 | J | SD-BW-03 | 5 / 5 | N/A | 1087 |
| Mercury | 1.4 | | 3.6 | | SD-BW-04 | 5 / 5 | N/A | 2.4 |
| Nickel | 32.6 | | 46.9 | | SD-BW-05 | 5 / 5 | N/A | 38 |
| Potassium | 747 | J | 1160 | | SD-BW-02 | 5 / 5 | N/A | 938 |
| Selenium | 5.3 | J | 11.5 | J | SD-BW-03 | 5 / 5 | N/A | 8.2 |
| Silver | 0.94 | | 2.5 | | SD-BW-02 | 5 / 5 | N/A | 1.7 |
| Sodium | 883.5 | J | 1860 | J | SD-BW-04 | 5 / 5 | N/A | 1128 |
| Thallium | 3.85 | J | 18.1 | J | SD-BW-03 | 5 / 5 | N/A | 9.7 |
| Vanadium | 65.2 | | 82.9 | | SD-BW-01 | 5 / 5 | N/A | 75 |
| Zinc | 1620 | | 3050 | | SD-BW-05 | 5 / 5 | N/A | 1994 |
| Total Organic Carbon | | | | | | | | |
| Total Organic Carbon | 138000 | | 177000 | | SD-BW-02 | 5 / 5 | 8130 - 12000 | 161600 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-84**
**SEDIMENT DATA SUMMARY - STATION CB-01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4230 | | 21100 | J | SD-CB-01-04 | 10 / 10 | N/A | 11886 |
| Antimony | 0.77 | J | 4 | J | SD-CB-01-07 | 4 / 10 | 0.57 - 2 | 1.2 |
| Arsenic | 8.2 | J | 98.7 | J | SD-CB-01-04 | 10 / 10 | N/A | 41 |
| Barium | 19.35 | | 105 | | SD-CB-01-10 | 8 / 10 | 13.9 - 16.3 | 40 |
| Beryllium | 0.33 | | 2 | | SD-CB-01-04 | 10 / 10 | N/A | 1.0 |
| Cadmium | 1.1 | J | 16.1 | J | SD-CB-01-02 | 10 / 10 | N/A | 5.2 |
| Calcium | 805 | | 13300 | | SD-CB-01-10 | 10 / 10 | N/A | 5875 |
| Chromium | 27.5 | J | 584 | | SD-CB-01-02 | 10 / 10 | N/A | 217 |
| Cobalt | 0.79 | | 33.4 | | SD-CB-01-02 | 10 / 10 | N/A | 6.0 |
| Copper | 58.1 | J | 1090 | J | SD-CB-01-04 | 10 / 10 | N/A | 389 |
| Iron | 4250 | | 27200 | | SD-CB-01-02 | 10 / 10 | N/A | 11059 |
| Lead | 75 | J | 648 | J | SD-CB-01-02 | 10 / 10 | N/A | 317 |
| Magnesium | 555 | | 3270 | | SD-CB-01-02 | 10 / 10 | N/A | 1526 |
| Manganese | 51.5 | | 1260 | J | SD-CB-01-10 | 10 / 10 | N/A | 338 |
| Mercury | 0.28 | J | 4.8 | J | SD-CB-01-04 | 10 / 10 | N/A | 1.5 |
| Nickel | 4 | | 31.8 | J | SD-CB-01-02 | 10 / 10 | N/A | 9.2 |
| Potassium | 121 | | 785 | | SD-CB-01-10 | 8 / 10 | 219 - 648 | 291 |
| Selenium | 1.2 | J | 8.3 | J | SD-CB-01-04 | 10 / 10 | N/A | 3.7 |
| Silver | | | | | | 0 / 10 | 0.12 - 1 | 0.33 |
| Sodium | 278 | | 2160 | | SD-CB-01-02 | 10 / 10 | N/A | 933 |
| Thallium | 0.425 | J | 3.1 | | SD-CB-01-04 | 5 / 10 | 0.58 - 1 | 1.0 |
| Vanadium | 21.9 | | 114 | | SD-CB-01-07 | 10 / 10 | N/A | 54 |
| Zinc | 58.4 | | 1190 | | SD-CB-01-02 | 10 / 10 | N/A | 422 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 5.785 | | 5.98 | | SD-CB-01-09 | 2 / 2 | N/A | 6 |
| Redox Potential | 281.5 | | 324 | | SD-CB-01-09 | 2 / 2 | N/A | 303 |
| Sulfide | 91.2 | J | 123 | J | SD-CB-01-09 | 2 / 2 | N/A | 107 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-85**
**SEDIMENT DATA SUMMARY - STATION CB-02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1865 | | 8170 | | SD-CB-02-01 | 10 / 10 | N/A | 4439 |
| Antimony | 0.89 | J | 2 | J | SD-CB-02-03 | 10 / 10 | N/A | 1.5 |
| Arsenic | 7.55 | J | 56.2 | J | SD-CB-02-06 | 10 / 10 | N/A | 27 |
| Barium | 13.6 | | 389 | | SD-CB-02-07 | 10 / 10 | N/A | 79 |
| Beryllium | 0.16 | | 0.49 | | SD-CB-02-01 | 10 / 10 | N/A | 0.29 |
| Cadmium | 0.91 | J | 5.8 | J | SD-CB-02-01 | 10 / 10 | N/A | 3.1 |
| Calcium | 1320 | | 11650 | | SD-CB-02-09 | 10 / 10 | N/A | 4363 |
| Chromium | 17.9 | J | 248 | J | SD-CB-02-01 | 10 / 10 | N/A | 106 |
| Cobalt | 1.2 | | 7.45 | | SD-CB-02-09 | 10 / 10 | N/A | 4.2 |
| Copper | 38.3 | J | 168 | | SD-CB-02-01 | 10 / 10 | N/A | 75 |
| Iron | 3960 | | 9640 | | SD-CB-02-05 | 10 / 10 | N/A | 5914 |
| Lead | 67 | J | 342 | J | SD-CB-02-07 | 10 / 10 | N/A | 119 |
| Magnesium | 460 | | 2020 | | SD-CB-02-01 | 10 / 10 | N/A | 1137 |
| Manganese | 34.5 | J | 108 | J | SD-CB-02-05 | 10 / 10 | N/A | 56 |
| Mercury | 0.12 | | 0.58 | | SD-CB-02-01 | 10 / 10 | N/A | 0.24 |
| Nickel | 2.1 | | 12.8 | J | SD-CB-02-04 | 10 / 10 | N/A | 8.3 |
| Potassium | 174 | | 554 | | SD-CB-02-01 | 10 / 10 | N/A | 289 |
| Selenium | 1.1 | J | 3.1 | J | SD-CB-02-01 | 5 / 10 | 0.97 - 2.8 | 1.4 |
| Sodium | 500 | | 1400 | J | SD-CB-02-10 | 10 / 10 | N/A | 845 |
| Thallium | | | | | | 0 / 10 | 0.54 - 1.7 | 0.43 |
| Vanadium | 18.5 | | 45.6 | | SD-CB-02-04 | 10 / 10 | N/A | 27 |
| Zinc | 132 | J | 450 | J | SD-CB-02-09 | 10 / 10 | N/A | 250 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 5.67 | | 5.95 | | SD-CB-02-03 | 2 / 2 | N/A | 6 |
| Redox Potential | 246 | | 374 | | SD-CB-02-09 | 2 / 2 | N/A | 310 |
| Sulfide | 112 | J | 231 | J | SD-CB-02-03 | 2 / 2 | N/A | 172 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-86
# SEDIMENT DATA SUMMARY - STATION CB-03
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4050 | J | 16100 | J | SD-CB-03-01 | 12 / 12 | N/A | 9264 |
| Antimony | 4.2 | J | 4.8 | J | SD-CB-03-08 | 3 / 12 | 0.43 - 3.5 | 1.5 |
| Arsenic | 9.1 | J | 1410 | | SD-CB-03-11 | 12 / 12 | N/A | 272 |
| Barium | 20.7 | | 95.5 | | SD-CB-03-08 | 12 / 12 | N/A | 52 |
| Beryllium | 0.2 | | 0.91 | | SD-CB-03-06 | 12 / 12 | N/A | 0.54 |
| Cadmium | 0.77 | J | 23.1 | J | SD-CB-03-06 | 12 / 12 | N/A | 7.4 |
| Calcium | 1505 | | 11100 | | SD-CB-03-08 | 12 / 12 | N/A | 5293 |
| Chromium | 38.7 | J | 768 | | SD-CB-03-06 | 12 / 12 | N/A | 457 |
| Cobalt | 4.35 | | 130 | J | SD-CB-03-06 | 12 / 12 | N/A | 19 |
| Copper | 29.2 | J | 670 | J | SD-CB-03-06 | 12 / 12 | N/A | 269 |
| Iron | 8230 | | 86500 | | SD-CB-03-11 | 12 / 12 | N/A | 30996 |
| Lead | 24.4 | J | 443 | J | SD-CB-03-06 | 12 / 12 | N/A | 196 |
| Magnesium | 1610 | | 4950 | | SD-CB-03-08 | 12 / 12 | N/A | 2576 |
| Manganese | 43.6 | J | 986 | | SD-CB-03-12 | 12 / 12 | N/A | 283 |
| Mercury | 0.058 | J | 3.6 | | SD-CB-03-12 | 12 / 12 | N/A | 1.2 |
| Nickel | 8.7 | | 78.3 | J | SD-CB-03-06 | 12 / 12 | N/A | 26 |
| Potassium | 370 | J | 466 | | SD-CB-03-03 | 3 / 12 | 300 - 1160 | 321 |
| Selenium | 0.69 | J | 8.8 | | SD-CB-03-06 | 11 / 11 | N/A | 3.8 |
| Silver | 3.2 | J | 3.2 | J | SD-CB-03-06 | 1 / 8 | 0.11 - 0.43 | 0.51 |
| Sodium | 326 | | 8880 | J | SD-CB-03-06 | 12 / 12 | N/A | 2269 |
| Thallium | 1.2 | | 1.5 | J | SD-CB-03-01 | 3 / 11 | 0.48 - 1.7 | 0.71 |
| Vanadium | 13.5 | | 97.4 | J | SD-CB-03-08 | 12 / 12 | N/A | 47 |
| Zinc | 135 | | 5270 | | SD-CB-03-06 | 12 / 12 | N/A | 1148 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 5.44 | | 6.28 | | SD-CB-03-10 | 2 / 2 | N/A | 6 |
| Redox Potential | 248 | | 367 | | SD-CB-03-04 | 2 / 2 | N/A | 308 |
| Sulfide | 29.6 | J | 163 | J | SD-CB-03-10 | 2 / 2 | N/A | 96 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-87**
**SEDIMENT DATA SUMMARY - STATION CB-04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4670 | | 13800 | | SD-CB-04-03 | 10 / 10 | N/A | 9437 |
| Antimony | 0.67 | J | 7.2 | | SD-CB-04-02 | 10 / 10 | N/A | 3.6 |
| Arsenic | 16.5 | | 325.5 | | SD-CB-04-06 | 10 / 10 | N/A | 112 |
| Barium | 20.9 | | 109 | | SD-CB-04-05 | 10 / 10 | N/A | 61 |
| Beryllium | 0.25 | J | 1 | | SD-CB-04-01 | 10 / 10 | N/A | 0.62 |
| Cadmium | 0.41 | | 8.9 | | SD-CB-04-05 | 10 / 10 | N/A | 4.0 |
| Calcium | 2070 | | 11200 | | SD-CB-04-05 | 10 / 10 | N/A | 5878 |
| Chromium | 35.2 | | 568 | | SD-CB-04-03 | 10 / 10 | N/A | 167 |
| Cobalt | 5.3 | | 18.9 | | SD-CB-04-05 | 10 / 10 | N/A | 8.8 |
| Copper | 47.7 | | 358 | | SD-CB-04-02 | 10 / 10 | N/A | 185 |
| Iron | 7950 | | 86200 | | SD-CB-04-02 | 10 / 10 | N/A | 23967 |
| Lead | 59.6 | | 409 | | SD-CB-04-03 | 10 / 10 | N/A | 208 |
| Magnesium | 1240 | | 3680 | | SD-CB-04-07 | 10 / 10 | N/A | 2334 |
| Manganese | 72.5 | | 2410 | | SD-CB-04-05 | 10 / 10 | N/A | 404 |
| Mercury | 0.18 | | 2.2 | | SD-CB-04-02 | 10 / 10 | N/A | 0.73 |
| Nickel | 10.1 | | 177 | | SD-CB-04-03 | 10 / 10 | N/A | 41 |
| Potassium | 305 | | 1160 | | SD-CB-04-07 | 10 / 10 | N/A | 577 |
| Selenium | 0.95 | J | 5.1 | J | SD-CB-04-10 | 9 / 10 | 0.58 | 3.0 |
| Silver | 0.23 | J | 11.5 | | SD-CB-04-02 | 5 / 10 | 0.19 - 0.53 | 1.3 |
| Sodium | 324 | | 1870 | | SD-CB-04-05 | 10 / 10 | N/A | 693 |
| Thallium | 3.1 | | 5.3 | | SD-CB-04-02 | 2 / 10 | 0.58 - 1.6 | 1.1 |
| Vanadium | 18.5 | | 85.4 | | SD-CB-04-03 | 10 / 10 | N/A | 55 |
| Zinc | 112 | | 8750 | | SD-CB-04-03 | 10 / 10 | N/A | 1397 |
| Total Organic Carbon - mg/Kg | 44300 | | 298000 | | SD-CB-04-01 | 10 / 10 | 8470 - 18500 | 174000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-88**
**SEDIMENT DATA SUMMARY - STATION CB-06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4130 | | 10800 | | SD-CB-06-08 | 10 / 10 | N/A | 7195 |
| Antimony | 2.2 | J | 7.8 | | SD-CB-06-03 | 2 / 10 | 1.7 - 1.9 | 1.7 |
| Arsenic | 22.4 | J | 257 | J | SD-CB-06-03 | 10 / 10 | N/A | 98 |
| Barium | 8.4 | | 59.5 | | SD-CB-06-07 | 10 / 10 | N/A | 40 |
| Beryllium | 0.22 | J | 0.66 | | SD-CB-06-01 | 6 / 10 | 0.2 - 0.22 | 0.27 |
| Cadmium | 0.88 | | 34.6 | | SD-CB-06-01 | 10 / 10 | N/A | 8.6 |
| Calcium | 1260 | | 15300 | | SD-CB-06-03 | 10 / 10 | N/A | 6980 |
| Chromium | 31.8 | | 969 | | SD-CB-06-01 | 10 / 10 | N/A | 280 |
| Cobalt | 3.2 | | 25 | | SD-CB-06-07 | 10 / 10 | N/A | 9.2 |
| Copper | 39.9 | | 386 | | SD-CB-06-01 | 10 / 10 | N/A | 180 |
| Iron | 5580 | | 26800 | | SD-CB-06-08 | 10 / 10 | N/A | 12693 |
| Lead | 19.9 | | 328 | | SD-CB-06-01 | 10 / 10 | N/A | 137 |
| Magnesium | 1470 | | 2950 | | SD-CB-06-01 | 10 / 10 | N/A | 2057 |
| Manganese | 50 | J | 133 | J | SD-CB-06-05 | 10 / 10 | N/A | 79 |
| Mercury | 0.05 | J | 0.56 | | SD-CB-06-10 | 9 / 10 | 0.04 | 0.23 |
| Nickel | 6.2 | | 49.4 | | SD-CB-06-01 | 10 / 10 | N/A | 19 |
| Potassium | 253 | | 648 | | SD-CB-06-01 | 10 / 10 | N/A | 454 |
| Selenium | 0.975 | J | 3 | J | SD-CB-06-01 | 6 / 10 | 0.77 - 0.86 | 1.4 |
| Silver | 0.22 | J | 0.27 | J | SD-CB-06-03 | 2 / 10 | 0.19 - 0.22 | 0.13 |
| Sodium | 225 | | 1130 | | SD-CB-06-03 | 10 / 10 | N/A | 583 |
| Thallium | 1.8 | J | 6.1 | | SD-CB-06-03 | 9 / 10 | 1.5 | 3.2 |
| Vanadium | 10.4 | | 103 | | SD-CB-06-01 | 10 / 10 | N/A | 53 |
| Zinc | 250 | J | 3840 | J | SD-CB-06-07 | 10 / 10 | N/A | 1421 |
| Total Organic Carbon - mg/Kg | 10500 | | 214000 | | SD-CB-06-03 | 10 / 10 | 8060 - 11100 | 132800 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-89**
**SEDIMENT DATA SUMMARY - STATION CB-07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | *Minimum* Detected Concentration | Minimum Qualifier | *Maximum* Detected Concentration | Maximum Qualifier | *Location* of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4710 | | 13500 | | SD-CB-07-03 | 6 / 6 | N/A | 7968 |
| Antimony | | | | | | 0 / 6 | 1.7 - 2.4 | 1.0 |
| Arsenic | 13.3 | J | 412 | J | SD-CB-07-02 | 6 / 6 | N/A | 164 |
| Barium | 13.4 | | 98.4 | | SD-CB-07-02 | 6 / 6 | N/A | 52 |
| Beryllium | 0.27 | J | 1.1 | | SD-CB-07-03 | 4 / 6 | 0.19 - 0.2 | 0.45 |
| Cadmium | 0.25 | J | 8.6 | | SD-CB-07-01 | 6 / 6 | N/A | 4.1 |
| Calcium | 1210 | | 7200 | | SD-CB-07-01 | 6 / 6 | N/A | 3920 |
| Chromium | 53.1 | J | 784 | | SD-CB-07-03 | 6 / 6 | N/A | 354 |
| Cobalt | 2.6 | | 40.6 | | SD-CB-07-01 | 6 / 6 | N/A | 16 |
| Copper | 56.5 | J | 437 | | SD-CB-07-03 | 6 / 6 | N/A | 212 |
| Iron | 8280 | | 83000 | | SD-CB-07-02 | 6 / 6 | N/A | 33580 |
| Lead | 26.2 | J | 389 | | SD-CB-07-01 | 6 / 6 | N/A | 219 |
| Magnesium | 1870 | | 2470 | | SD-CB-07-05 | 6 / 6 | N/A | 2157 |
| Manganese | 84.3 | | 990 | J | SD-CB-07-02 | 6 / 6 | N/A | 475 |
| Mercury | 0.09 | J | 1.4 | | SD-CB-07-03 | 6 / 6 | N/A | 0.58 |
| Nickel | 7.8 | | 38.9 | | SD-CB-07-01 | 6 / 6 | N/A | 21 |
| Potassium | 306 | | 573 | | SD-CB-07-01 | 6 / 6 | N/A | 385 |
| Selenium | 2.2 | J | 6.5 | J | SD-CB-07-02 | 4 / 6 | 0.78 - 0.79 | 2.8 |
| Silver | 0.33 | J | 0.51 | | SD-CB-07-02 | 2 / 6 | 0.19 - 0.23 | 0.21 |
| Sodium | 318 | | 1340 | | SD-CB-07-01 | 6 / 6 | N/A | 627 |
| Thallium | | | | | | 0 / 3 | 1.4 - 1.6 | 0.73 |
| Vanadium | 15.8 | | 102 | | SD-CB-07-03 | 6 / 6 | N/A | 52 |
| Zinc | 74.6 | | 1810 | J | SD-CB-07-01 | 6 / 6 | N/A | 703 |
| Total Organic Carbon (mg/Kg) | 14800 | | 275000 | | SD-CB-07-02 | 6 / 6 | 5590 - 17500 | 135383 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-90**
**SEDIMENT DATA SUMMARY - STATION JY**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| Aroclor 1016 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1221 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1232 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1242 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1248 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1254 | 230 | J | 2600 | | SD-JY-07 | 9 / 10 | 190 - 440 | 906 |
| Aroclor 1260 | 260 | | 2400 | | SD-JY-07 | 9 / 10 | 190 - 440 | 990 |
| Aroclor 1262 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1268 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3950 | | 17300 | | SD-JY-12 | 10 / 10 | N/A | 9592 |
| Antimony | 3.1 | | 19.5 | | SD-JY-08 | 5 / 10 | 1.8 - 2.1 | 5.4 |
| Arsenic | 13.7 | J | 482 | | SD-JY-13 | 10 / 10 | N/A | 145 |
| Barium | 20 | | 353 | J | SD-JY-07 | 10 / 10 | N/A | 127 |
| Beryllium | 0.245 | J | 0.98 | J | SD-JY-12 | 7 / 10 | 0.19 - 0.23 | 0.46 |
| Cadmium | 1.4 | | 21 | | SD-JY-07 | 10 / 10 | N/A | 11 |
| Calcium | 1450 | | 11900 | | SD-JY-13 | 10 / 10 | N/A | 7003 |
| Chromium | 69.6 | | 1710 | J | SD-JY-08 | 10 / 10 | N/A | 839 |
| Cobalt | 5.9 | | 24.5 | | SD-JY-10 | 10 / 10 | N/A | 13 |
| Copper | 122 | J | 741 | J | SD-JY-08 | 10 / 10 | N/A | 378 |
| Iron | 8240 | J | 58700 | | SD-JY-07 | 10 / 10 | N/A | 28394 |
| Lead | 47.6 | | 1210 | | SD-JY-08 | 10 / 10 | N/A | 523 |
| Magnesium | 1310 | | 3520 | | SD-JY-13 | 10 / 10 | N/A | 2431 |
| Manganese | 103 | | 555 | | SD-JY-13 | 10 / 10 | N/A | 293 |
| Mercury | 0.1 | J | 2.3 | | SD-JY-12 | 7 / 10 | 0.05 - 0.39 | 0.77 |
| Nickel | 8.7 | | 150 | | SD-JY-07 | 10 / 10 | N/A | 52 |
| Potassium | 426 | | 1090 | | SD-JY-13 | 10 / 10 | N/A | 622 |
| Selenium | 1.3 | J | 5.1 | J | SD-JY-07 | 7 / 10 | 0.8 - 1.9 | 3.0 |
| Silver | 0.385 | J | 1.8 | | SD-JY-12 | 7 / 10 | 0.19 - 0.21 | 0.70 |
| Sodium | 360 | J | 1650 | J | SD-JY-13 | 10 / 10 | N/A | 821 |
| Thallium | 1.7 | J | 6.9 | J | SD-JY-07 | 7 / 9 | 1.5 - 1.6 | 2.5 |
| Vanadium | 10.2 | | 90.6 | | SD-JY-07 | 10 / 10 | N/A | 49 |
| Zinc | 308 | | 2850 | | SD-JY-08 | 10 / 10 | N/A | 1820 |
| Total Organic Carbon - mg/Kg | 15400 | | 218500 | | SD-JY-06 | 10 / 10 | 6800 - 9430 | 146670 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-91**
**SEDIMENT DATA SUMMARY - STATION KFSE**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2550 | | 9080 | | SD-KF-03 | 10 / 10 | N/A | 4890 |
| Antimony | | | | | | 0 / 10 | 1.7 - 1.8 | 0.87 |
| Arsenic | 11.7 | | 90.4 | | SD-KF-03 | 10 / 10 | N/A | 38 |
| Barium | 15.9 | | 54.7 | | SD-KF-03 | 10 / 10 | N/A | 33 |
| Beryllium | 0.24 | | 0.6 | | SD-KF-03 | 7 / 10 | 0.11 - 0.18 | 0.29 |
| Cadmium | 0.81 | | 1.1 | | SD-KF-03 | 5 / 10 | 0.12 - 0.48 | 0.55 |
| Calcium | 1200 | | 3550 | | SD-KF-03 | 10 / 10 | N/A | 2253 |
| Chromium | 20.8 | | 113 | | SD-KF-03 | 10 / 10 | N/A | 68 |
| Cobalt | 3.1 | | 10 | | SD-KF-03 | 10 / 10 | N/A | 6.5 |
| Copper | 21.9 | | 185 | | SD-KF-03 | 10 / 10 | N/A | 79 |
| Iron | 6580 | | 18700 | | SD-KF-03 | 10 / 10 | N/A | 11959 |
| Lead | 31.6 | | 188 | | SD-KF-05 | 10 / 10 | N/A | 98 |
| Magnesium | 1230 | | 2520 | | SD-KF-03 | 10 / 10 | N/A | 1845 |
| Manganese | 83.5 | | 503 | | SD-KF-03 | 10 / 10 | N/A | 291 |
| Mercury | 0.1 | J | 1.6 | J | SD-KF-03 | 10 / 10 | N/A | 0.51 |
| Nickel | 5.8 | | 12.6 | | SD-KF-10 | 7 / 10 | 2.5 - 5.3 | 6.7 |
| Potassium | 246 | | 510 | J | SD-KF-03 | 10 / 10 | N/A | 340 |
| Selenium | 0.61 | J | 0.61 | J | SD-KF-09 | 1 / 10 | 0.58 - 0.61 | 0.33 |
| Silver | 0.44 | J | 0.69 | J | SD-KF-05 | 5 / 10 | 0.39 - 0.4 | 0.37 |
| Sodium | 161 | J | 286 | J | SD-KF-03 | 7 / 10 | 147 - 154 | 186 |
| Thallium | | | | | | 0 / 10 | 1.7 - 1.8 | 0.88 |
| Vanadium | 9.1 | | 29.6 | | SD-KF-03 | 10 / 10 | N/A | 19 |
| Zinc | 115 | J | 461 | | SD-KF-03 | 10 / 10 | N/A | 284 |
| Total Organic Carbon - mg/Kg | 2600 | J | 46650 | | SD-KF-05 | 10 / 10 | 6410 - 9260 | 21195 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-92**
**SEDIMENT DATA SUMMARY - STATION LF**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 18700 | | 19100 | | SD-LF-01 | 2 / 2 | 3.9613 - 19.35 | 18900 |
| Arsenic | 81.9 | | 100 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 91 |
| Barium | 141 | | 149 | | SD-LF-02 | 2 / 2 | 0.3961 - 1.9351 | 145 |
| Beryllium | 0.95 | | 1.1 | J | SD-LF-01 | 2 / 2 | 0.1585 - 0.774 | 1.0 |
| Cadmium | 7.6 | | 10.5 | | SD-LF-01 | 2 / 2 | 0.1585 - 0.774 | 9.1 |
| Calcium | 6210 | | 6400 | | SD-LF-01 | 2 / 2 | 7.9225 - 38.701 | 6305 |
| Chromium | 258 | | 424 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 341 |
| Cobalt | 19.5 | | 24.8 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 22 |
| Copper | 381 | | 471 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 426 |
| Cyanide | 2.6 | J | 2.6 | J | SD-LF-01 | 2 / 2 | 0.2562 - 0.3018 | 2.6 |
| Iron | 37800 | | 37900 | | SD-LF-01 | 2 / 2 | 1.5845 - 7.7402 | 37850 |
| Lead | 594 | | 861 | | SD-LF-01 | 2 / 2 | 0.2377 - 1.161 | 728 |
| Magnesium | 5840 | | 5910 | | SD-LF-02 | 2 / 2 | 7.9225 - 38.701 | 5875 |
| Manganese | 445 | | 539 | | SD-LF-02 | 2 / 2 | 0.3961 - 1.9351 | 492 |
| Mercury | 1.1 | J | 1.3 | J | SD-LF-01 | 2 / 2 | 0.2253 - 0.2499 | 1.2 |
| Nickel | 36.8 | | 43.4 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 40 |
| Potassium | 1590 | | 1610 | J | SD-LF-01 | 2 / 2 | 15.845 - 77.402 | 1600 |
| Selenium | 2.8 | J | 4.5 | J | SD-LF-01 | 2 / 2 | 0.7892 - 3.0982 | 3.7 |
| Silver | 0.5 | J | 0.5 | J | SD-LF-02 | 1 / 2 | 0.3961 - 1.9351 | 0.73 |
| Thallium | 0.64 | J | 0.98 | J | SD-LF-01 | 2 / 2 | 0.2368 - 0.9295 | 0.81 |
| Vanadium | 69.6 | | 81.2 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 75 |
| Zinc | 1650 | | 2280 | | SD-LF-01 | 2 / 2 | 0.3961 - 1.9351 | 1965 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-93**
**SEDIMENT DATA SUMMARY - STATION LM**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 14600 | | 25000 | | SD-LM-02 | 3 / 3 | 3.8363 - 4.5515 | 18833 |
| Arsenic | 60.1 | | 144 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 95 |
| Barium | 173 | | 368 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 249 |
| Beryllium | 0.71 | | 1.4 | | SD-LM-02 | 3 / 3 | 0.1535 - 0.1821 | 1.0 |
| Cadmium | 5.7 | | 12.6 | | SD-LM-02 | 3 / 3 | 0.1535 - 0.1821 | 9.8 |
| Calcium | 6030 | | 9180 | | SD-LM-02 | 3 / 3 | 7.6727 - 9.103 | 7360 |
| Chromium | 170 | | 428 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 307 |
| Cobalt | 19.6 | | 37.5 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 29 |
| Copper | 249 | | 578 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 441 |
| Cyanide | 1.6 | J | 1.6 | J | SD-LM-01 | 1 / 3 | 0.29 - 0.4892 | 0.63 |
| Iron | 61800 | | 75300 | | SD-LM-02 | 3 / 3 | 3.5195 - 6.1381 | 67333 |
| Lead | 478 | | 929 | | SD-LM-03 | 3 / 3 | 0.2302 - 0.2731 | 752 |
| Magnesium | 9220 | | 12900 | | SD-LM-01 | 3 / 3 | 7.6727 - 9.103 | 10677 |
| Manganese | 534 | | 1550 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 969 |
| Nickel | 31.2 | | 58.3 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 42 |
| Potassium | 2580 | | 4390 | | SD-LM-01 | 3 / 3 | 15.345 - 18.206 | 3337 |
| Selenium | 1.8 | J | 2.7 | J | SD-LM-03 | 3 / 3 | 0.1821 - 0.8722 | 2.3 |
| Silver | 0.5 | J | 0.81 | J | SD-LM-03 | 2 / 3 | 0.3836 - 0.46 | 0.51 |
| Thallium | 0.31 | J | 0.7 | J | SD-LM-03 | 3 / 3 | 0.228 - 0.2732 | 0.56 |
| Vanadium | 60.1 | | 124 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 89 |
| Zinc | 1320 | | 3230 | | SD-LM-02 | 3 / 3 | 0.3836 - 0.4551 | 2453 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-94**
**SEDIMENT DATA SUMMARY - STATION LP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2270 | | 20400 | | SD-LP-04 | 15 / 15 | N/A | 6889 |
| Antimony | 5.1 | J | 5.1 | J | SD-LP-04 | 1 / 15 | 1.7 - 2.6 | 1.2 |
| Arsenic | 5.4 | | 485 | J | SD-LP-04 | 15 / 15 | N/A | 69 |
| Barium | 11.2 | | 68.9 | | SD-LP-11 | 15 / 15 | N/A | 30 |
| Beryllium | 0.14 | | 0.92 | | SD-LP-04 | 13 / 15 | 0.2 - 0.29 | 0.36 |
| Cadmium | 0.14 | J | 5.6 | J | SD-LP-04 | 13 / 15 | 0.12 | 1.9 |
| Calcium | 704 | | 4220 | | SD-LP-03 | 15 / 15 | N/A | 2173 |
| Chromium | 8.2 | | 134 | | SD-LP-11 | 15 / 15 | N/A | 52 |
| Cobalt | 2.4 | | 15.4 | | SD-LP-03 | 15 / 15 | N/A | 6.7 |
| Copper | 6.6 | | 1560 | J | SD-LP-04 | 15 / 15 | N/A | 187 |
| Iron | 4420 | | 23800 | | SD-LP-11 | 15 / 15 | N/A | 10464 |
| Lead | 6.4 | | 400 | J | SD-LP-04 | 15 / 15 | N/A | 83 |
| Magnesium | 1160 | | 3520 | | SD-LP-11 | 15 / 15 | N/A | 1910 |
| Manganese | 47.5 | | 333 | | SD-LP-03 | 15 / 15 | N/A | 172 |
| Mercury | 0.16 | J | 1.4 | | SD-LP-04 | 13 / 15 | 0.09 - 0.1 | 0.46 |
| Nickel | 0.59 | J | 30.6 | | SD-LP-04 | 15 / 15 | N/A | 10 |
| Potassium | 199 | | 868 | J | SD-LP-11 | 15 / 15 | N/A | 414 |
| Selenium | 0.92 | J | 3.1 | | SD-LP-04 | 4 / 15 | 0.59 - 2.9 | 0.80 |
| Silver | 0.76 | J | 0.76 | J | SD-LP-11 | 1 / 15 | 0.19 - 0.42 | 0.18 |
| Sodium | 285 | | 688.5 | | SD-LP-06 | 15 / 15 | N/A | 430 |
| Thallium | 1.325 | J | 2.9 | J | SD-LP-04 | 9 / 15 | 1.7 - 2.2 | 1.6 |
| Vanadium | 6.5 | | 39.8 | | SD-LP-11 | 15 / 15 | N/A | 16 |
| Zinc | 15.2 | | 2800 | | SD-LP-03 | 15 / 15 | N/A | 699 |
| Total Organic Carbon (mg/Kg) | 4800 | J | 68200 | | SD-LP-03 | 10 / 10 | 6020 - 8130 | 33930 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-95**
**SEDIMENT DATA SUMMARY - STATION MP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 9140 | | 10600 | | SD-MP-02 | 2 / 2 | 3.8652 - 4.0093 | 9870 |
| Antimony | 1.1 | J | 1.5 | J | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 1.3 |
| Arsenic | 53.4 | | 54.8 | | SD-MP-01 | 2 / 2 | 0.3865 - 0.4009 | 54 |
| Barium | 67.8 | | 76.2 | | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 72.0 |
| Beryllium | 0.47 | | 0.54 | | SD-MP-02 | 2 / 2 | 0.1546 - 0.1604 | 0.51 |
| Cadmium | 4.4 | | 5.1 | | SD-MP-02 | 2 / 2 | 0.1546 - 0.1604 | 4.8 |
| Calcium | 3720 | J | 4480 | J | SD-MP-02 | 2 / 2 | 7.7304 - 8.0187 | 4100 |
| Chromium | 142 | | 156 | | SD-MP-01 | 2 / 2 | 0.3865 - 0.4009 | 149 |
| Cobalt | 12.4 | | 12.8 | | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 13 |
| Copper | 178 | | 186 | | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 182 |
| Cyanide | 0.46 | J | 3.3 | J | SD-MP-02 | 2 / 2 | 0.2841 - 0.3754 | 1.9 |
| Iron | 20100 | J | 20200 | J | SD-MP-02 | 2 / 2 | 1.5461 - 1.6037 | 20150 |
| Lead | 249 | | 318 | | SD-MP-02 | 2 / 2 | 0.2319 - 0.2406 | 284 |
| Magnesium | 3310 | | 3890 | | SD-MP-02 | 2 / 2 | 7.7304 - 8.0187 | 3600 |
| Manganese | 290 | J | 308 | J | SD-MP-01 | 2 / 2 | 0.3865 - 0.4009 | 299 |
| Mercury | 0.83 | | 0.89 | | SD-MP-01 | 2 / 2 | 0.0947 - 0.1155 | 0.86 |
| Nickel | 21.6 | J | 24.2 | J | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 23 |
| Potassium | 808 | | 1170 | | SD-MP-02 | 2 / 2 | 15.46 - 16.037 | 989 |
| Selenium | 1 | J | 1 | J | SD-MP-02 | 1 / 2 | 0.8365 - 0.8449 | 0.71 |
| Silver | | | | | | 0 / 2 | 0.3865 - 0.4009 | 0.20 |
| Sodium | 279 | J | 369 | J | SD-MP-02 | 2 / 2 | 38.651 - 40.093 | 324 |
| Thallium | 0.4 | J | 0.54 | J | SD-MP-01 | 2 / 2 | 0.2509 - 0.2535 | 0.47 |
| Vanadium | 32.2 | | 38.6 | | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 35 |
| Zinc | 930 | | 945 | | SD-MP-02 | 2 / 2 | 0.3865 - 0.4009 | 938 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-96**
**SEDIMENT DATA SUMMARY - STATION NRSE**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4880 | | 9220 | | SD-NR-02 | 5 / 5 | N/A | 6652 |
| Antimony | | | | | | 0 / 5 | 1.7 - 2.2 | 0.92 |
| Arsenic | 106 | | 221 | | SD-NR-02 | 5 / 5 | N/A | 166 |
| Barium | 25.4 | | 65.5 | | SD-NR-01 | 5 / 5 | N/A | 41 |
| Beryllium | 0.3 | | 0.94 | | SD-NR-02 | 5 / 5 | N/A | 0.50 |
| Cadmium | 0.95 | | 2.7 | | SD-NR-01 | 4 / 5 | 0.49 | 1.3 |
| Calcium | 1610 | | 4060 | | SD-NR-02 | 5 / 5 | N/A | 2774 |
| Chromium | 104 | | 258 | | SD-NR-02 | 5 / 5 | N/A | 186 |
| Cobalt | 5.2 | | 9.3 | | SD-NR-01 | 5 / 5 | N/A | 6.4 |
| Copper | 99.3 | | 365 | | SD-NR-02 | 5 / 5 | N/A | 202 |
| Iron | 11500 | | 25600 | | SD-NR-01 | 5 / 5 | N/A | 19420 |
| Lead | 80.8 | | 249 | | SD-NR-02 | 5 / 5 | N/A | 161 |
| Magnesium | 1500 | | 2630 | | SD-NR-02 | 5 / 5 | N/A | 2094 |
| Manganese | 95.4 | | 317 | | SD-NR-01 | 5 / 5 | N/A | 164 |
| Mercury | 0.77 | | 5.9 | | SD-NR-03 | 5 / 5 | N/A | 2.6 |
| Nickel | 7.8 | | 16.1 | | SD-NR-01 | 5 / 5 | N/A | 11 |
| Potassium | 297 | | 452 | | SD-NR-05 | 5 / 5 | N/A | 394 |
| Selenium | 0.86 | J | 2.4 | J | SD-NR-01 | 5 / 5 | N/A | 1.8 |
| Silver | 0.93 | | 2.4 | | SD-NR-02 | 5 / 5 | N/A | 1.5 |
| Sodium | 182 | J | 342 | | SD-NR-04 | 4 / 5 | 190 | 242 |
| Thallium | | | | | | 0 / 5 | 1.7 - 2.2 | 0.93 |
| Vanadium | 16.4 | | 32.6 | | SD-NR-02 | 5 / 5 | N/A | 24 |
| Zinc | 226 | J | 595 | J | SD-NR-01 | 5 / 5 | N/A | 343 |
| Total Organic Carbon (mg/Kg) | 15900 | | 59400 | | SD-NR-02 | 5 / 5 | 7250 - 8470 | 33460 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-97**
**SEDIMENT DATA SUMMARY - STATION TT-27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 7080 | | 15800 | | SD-TT-27-01 | 4 / 4 | N/A | 9599 |
| Antimony | 0.87 | J | 0.87 | J | SD-TT-27-04 | 1 / 4 | 0.42 - 0.77 | 0.44 |
| Arsenic | 12.3 | J | 142 | | SD-TT-27-03 | 4 / 4 | N/A | 79 |
| Barium | 46.9 | | 387.5 | | SD-TT-27-02 | 4 / 4 | N/A | 207 |
| Beryllium | 0.4 | | 0.97 | | SD-TT-27-01 | 4 / 4 | N/A | 0.59 |
| Cadmium | 2 | | 6.8 | J | SD-TT-27-01 | 4 / 4 | N/A | 3.7 |
| Calcium | 1920 | | 5230 | | SD-TT-27-01 | 4 / 4 | N/A | 3335 |
| Chromium | 30.9 | J | 300 | | SD-TT-27-01 | 4 / 4 | N/A | 146 |
| Cobalt | 4.8 | | 13.7 | J | SD-TT-27-01 | 4 / 4 | N/A | 7.8 |
| Copper | 54.3 | J | 365 | J | SD-TT-27-01 | 4 / 4 | N/A | 157 |
| Iron | 13900 | | 31600 | | SD-TT-27-01 | 4 / 4 | N/A | 19625 |
| Lead | 122 | J | 734 | J | SD-TT-27-01 | 4 / 4 | N/A | 298 |
| Magnesium | 2170 | | 4640 | | SD-TT-27-01 | 4 / 4 | N/A | 2991 |
| Manganese | 110.9 | J | 493 | J | SD-TT-27-01 | 4 / 4 | N/A | 223 |
| Mercury | 0.14 | J | 1.3 | | SD-TT-27-01 | 4 / 4 | N/A | 0.43 |
| Nickel | 12.5 | | 27.5 | J | SD-TT-27-01 | 4 / 4 | N/A | 17 |
| Potassium | 379 | | 898 | | SD-TT-27-01 | 4 / 4 | N/A | 615 |
| Selenium | 1.9 | J | 3.4 | J | SD-TT-27-01 | 4 / 4 | N/A | 2.3 |
| Silver | | | | | | 0 / 2 | 0.15 - 0.16 | 0.078 |
| Sodium | 629.5 | J | 1830 | J | SD-TT-27-01 | 4 / 4 | N/A | 1128 |
| Thallium | | | | | | 0 / 4 | 0.57 - 0.7 | 0.31 |
| Vanadium | 36 | | 70.9 | J | SD-TT-27-01 | 4 / 4 | N/A | 50 |
| Zinc | 411.5 | J | 850 | | SD-TT-27-01 | 4 / 4 | N/A | 565 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 1 | 1.29 | 0.65 |
| pH | 6.15 | | 6.15 | | SD-TT-27-02 | 1 / 1 | N/A | 6.2 |
| Redox Potential | 231 | | 231 | | SD-TT-27-02 | 1 / 1 | N/A | 231 |
| Sulfide | 50.4 | J | 50.4 | J | SD-TT-27-02 | 1 / 1 | N/A | 50 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-98**
**SEDIMENT DATA SUMMARY - STATION TT-28**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 11400 | | 21600 | | SD-TT-28-03 | 3 / 3 | N/A | 16567 |
| Antimony | 11.9 | J | 26.3 | J | SD-TT-28-03 | 3 / 3 | N/A | 19 |
| Arsenic | 459 | J | 987 | J | SD-TT-28-03 | 3 / 3 | N/A | 752 |
| Barium | 81.8 | | 104 | | SD-TT-28-03 | 3 / 3 | N/A | 95 |
| Beryllium | 0.87 | | 1.5 | | SD-TT-28-03 | 3 / 3 | N/A | 1.1 |
| Cadmium | 12.7 | J | 17.1 | J | SD-TT-28-03 | 3 / 3 | N/A | 15 |
| Calcium | 5900 | | 7520 | | SD-TT-28-02 | 3 / 3 | N/A | 6777 |
| Chromium | 1390 | J | 4240 | J | SD-TT-28-02 | 3 / 3 | N/A | 2817 |
| Cobalt | 23.8 | J | 32.5 | J | SD-TT-28-01 | 3 / 3 | N/A | 30 |
| Copper | 592 | J | 1330 | J | SD-TT-28-03 | 3 / 3 | N/A | 962 |
| Iron | 50600 | | 88300 | | SD-TT-28-03 | 3 / 3 | N/A | 66733 |
| Lead | 269 | J | 657 | J | SD-TT-28-03 | 3 / 3 | N/A | 421 |
| Magnesium | 1780 | | 2100 | | SD-TT-28-03 | 3 / 3 | N/A | 1917 |
| Manganese | 599 | J | 789 | J | SD-TT-28-01 | 3 / 3 | N/A | 684 |
| Mercury | 3 | | 5 | | SD-TT-28-02 | 3 / 3 | N/A | 4.1 |
| Nickel | 23.4 | | 29.7 | J | SD-TT-28-03 | 3 / 3 | N/A | 27 |
| Potassium | 576 | | 625 | | SD-TT-28-03 | 3 / 3 | N/A | 607 |
| Selenium | 7.5 | J | 10.2 | J | SD-TT-28-03 | 3 / 3 | N/A | 8.6 |
| Silver | 3.1 | J | 5.3 | J | SD-TT-28-03 | 3 / 3 | N/A | 4.1 |
| Sodium | 4950 | J | 5460 | J | SD-TT-28-03 | 3 / 3 | N/A | 5180 |
| Thallium | | | | | | 0 / 3 | 0.7 - 0.8 | 0.37 |
| Vanadium | 44 | | 69.6 | J | SD-TT-28-03 | 3 / 3 | N/A | 58 |
| Zinc | 2160 | J | 3160 | J | SD-TT-28-03 | 3 / 3 | N/A | 2517 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-99**
**SEDIMENT DATA SUMMARY - STATION TT-29**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 69 | 34.5 |
| Acetone | 1100 | J | 1100 | J | SD-TT-29-03-TI | 1 / 1 | 57 | 1100 |
| Methylene Chloride | | | | | | 0 / 1 | 57 | 28.5 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 13500 | J | 17900 | J | SD-TT-29-03 | 3 / 3 | N/A | 16233 |
| Antimony | 1.1 | J | 10.1 | J | SD-TT-29-03 | 2 / 3 | 1.1 | 3.9 |
| Arsenic | 561 | J | 1050 | J | SD-TT-29-03 | 3 / 3 | N/A | 747 |
| Barium | 60.3 | J | 79.3 | J | SD-TT-29-02 | 3 / 3 | N/A | 71 |
| Beryllium | 0.88 | | 1.1 | | SD-TT-29-03 | 3 / 3 | N/A | 1.0 |
| Cadmium | 11.15 | J | 15.2 | J | SD-TT-29-03 | 3 / 3 | N/A | 13 |
| Calcium | 5855 | | 7640 | | SD-TT-29-03 | 3 / 3 | N/A | 7035 |
| Chromium | 1460 | J | 5500 | J | SD-TT-29-02 | 3 / 3 | N/A | 3127 |
| Cobalt | 31.8 | J | 36.4 | J | SD-TT-29-01 | 3 / 3 | N/A | 35 |
| Copper | 704 | J | 1340 | J | SD-TT-29-03 | 3 / 3 | N/A | 979 |
| Iron | 45200 | | 115000 | | SD-TT-29-03 | 3 / 3 | N/A | 73533 |
| Lead | 316 | J | 649 | J | SD-TT-29-02 | 3 / 3 | N/A | 501 |
| Magnesium | 1905 | | 3440 | | SD-TT-29-02 | 3 / 3 | N/A | 2438 |
| Manganese | 470 | J | 1190 | J | SD-TT-29-03 | 3 / 3 | N/A | 787 |
| Mercury | 5.6 | J | 13.3 | J | SD-TT-29-03 | 3 / 3 | N/A | 8.6 |
| Nickel | 26.3 | | 34.8 | | SD-TT-29-02 | 3 / 3 | N/A | 30 |
| Potassium | 434.5 | J | 804 | J | SD-TT-29-02 | 3 / 3 | N/A | 571 |
| Selenium | 6.3 | J | 8.6 | J | SD-TT-29-03 | 3 / 3 | N/A | 7.7 |
| Silver | 1.15 | | 1.6 | | SD-TT-29-02 | 3 / 3 | N/A | 1.4 |
| Sodium | 3210 | | 4530 | | SD-TT-29-03 | 3 / 3 | N/A | 3703 |
| Thallium | 5 | J | 14.3 | J | SD-TT-29-03 | 3 / 3 | N/A | 9.0 |
| Vanadium | 45.9 | J | 96.9 | J | SD-TT-29-02 | 3 / 3 | N/A | 67 |
| Zinc | 2250 | | 3770 | | SD-TT-29-03 | 3 / 3 | N/A | 2848 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 6.92 | | 6.92 | | SD-TT-29-01 | 1 / 1 | N/A | 6.9 |
| Redox Potential | 78.7 | | 78.7 | | SD-TT-29-01 | 1 / 1 | N/A | 79 |
| Sulfide | 1100 | | 1100 | | SD-TT-29-01 | 1 / 1 | N/A | 1100 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-100
# SEDIMENT DATA SUMMARY - STATION TT-30
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | 110 | J | 110 | J | SD-TT-30-01-TR | 1 / 1 | 47 | 110 |
| Acetone | 7300 | J | 7300 | J | SD-TT-30-01-TR | 1 / 1 | 47 | 7300 |
| Methyl Acetate | 530 | J | 530 | J | SD-TT-30-01-TR | 1 / 1 | 47 | 530 |
| Methylene Chloride | | | | | | 0 / 1 | 47 | 24 |
| Toluene | 22 | J | 22 | J | SD-TT-30-01-TR | 1 / 1 | 47 | 22 |
| SVOCs - ug/Kg | | | | | | | | |
| Benzo(a)pyrene | 33 | J | 33 | J | SD-TT-30-01-TR | 1 / 1 | 310 | 33 |
| Benzo(b)fluoranthene | 47 | J | 47 | J | SD-TT-30-01-TR | 1 / 1 | 310 | 47 |
| Chrysene | 40 | J | 40 | J | SD-TT-30-01-TR | 1 / 1 | 310 | 40 |
| Fluoranthene | 71 | J | 71 | J | SD-TT-30-01-TR | 1 / 1 | 310 | 71 |
| Pyrene | 55 | J | 55 | J | SD-TT-30-01-TR | 1 / 1 | 310 | 55 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5780 | J | 17900 | | SD-TT-30-01-TR | 4 / 4 | 9.14 | 14295 |
| Antimony | 0.9 | J | 23.6 | J | SD-TT-30-01-TR | 3 / 4 | 0.53 - 0.74 | 6.5 |
| Arsenic | 113 | J | 1080 | J | SD-TT-30-03 | 4 / 4 | 1 | 587 |
| Barium | 32.7 | J | 124 | J | SD-TT-30-01 | 4 / 4 | 0.4 | 70 |
| Beryllium | 0.4 | | 1.3 | J | SD-TT-30-01-TR | 4 / 4 | 0.2 | 0.93 |
| Cadmium | 4 | J | 9.8 | J | SD-TT-30-01 | 4 / 4 | 0.6 | 6.5 |
| Calcium | 1650 | | 8710 | | SD-TT-30-01 | 4 / 4 | 2.14 | 5033 |
| Chromium | 623 | J | 5310 | J | SD-TT-30-03 | 4 / 4 | 1 | 2368 |
| Cobalt | 9.8 | | 30.4 | J | SD-TT-30-01 | 4 / 4 | 0.36 | 19 |
| Copper | 253 | J | 3760 | J | SD-TT-30-03 | 4 / 4 | 0.44 | 1381 |
| Iron | 12300 | | 71600 | | SD-TT-30-01 | 4 / 4 | 1.4 | 38325 |
| Lead | 248 | J | 664 | | SD-TT-30-01-TR | 4 / 4 | 0.6 | 439 |
| Magnesium | 1310 | | 3900 | | SD-TT-30-01 | 4 / 4 | 15.18 | 2465 |
| Manganese | 205 | J | 1910 | J | SD-TT-30-01 | 4 / 4 | 0.24 | 825 |
| Mercury | 1.7 | J | 89.2 | J | SD-TT-30-03 | 4 / 4 | 0.02 | 25 |
| Nickel | 8 | | 35.1 | | SD-TT-30-01 | 4 / 4 | 0.8 | 21 |
| Potassium | 171 | | 784 | J | SD-TT-30-01-TR | 4 / 4 | 4.38 | 448 |
| Selenium | 2.7 | J | 9.3 | J | SD-TT-30-01 | 3 / 4 | 1 | 4.1 |
| Silver | 2.2 | | 2.2 | | SD-TT-30-01 | 1 / 4 | 0.36 - 1 | 0.77 |
| Sodium | 468 | | 2820 | | SD-TT-30-01 | 4 / 4 | 98.04 | 1469 |
| Thallium | 1.5 | | 9.7 | J | SD-TT-30-01 | 3 / 4 | 1.1 - 1.14 | 3.6 |
| Vanadium | 21 | | 66.2 | | SD-TT-30-01-TR | 4 / 4 | 0.64 | 43 |
| Zinc | 644 | | 1560 | | SD-TT-30-01 | 4 / 4 | 1.7 | 1186 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 3.4 | | 3.4 | | SD-TT-30-01-TR | 1 / 1 | N/A | 3.4 |
| Copper | 434 | | 434 | | SD-TT-30-01-TR | 1 / 1 | N/A | 434 |
| Lead | 365 | | 365 | | SD-TT-30-01-TR | 1 / 1 | N/A | 365 |
| Mercury | 1.2 | J | 1.2 | J | SD-TT-30-01-TR | 1 / 1 | N/A | 1.2 |
| Nickel | 13 | | 13 | | SD-TT-30-01-TR | 1 / 1 | N/A | 13 |
| SEM/AVS Ratio | 261 | | 261 | | SD-TT-30-01-TR | 1 / 1 | N/A | 261 |
| Sulfide | | | | | | 0 / 1 | 2.5359 | 1.3 |
| Zinc | 767 | J | 767 | J | SD-TT-30-01-TR | 1 / 1 | N/A | 767 |
| Total Organic Carbon (mg/Kg) | 240000 | | 240000 | | SD-TT-30-01-TR | 1 / 1 | 250 | 240000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-101**
**SEDIMENT DATA SUMMARY - STATION TT-31**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 9130 | J | 14100 | J | SD-TT-31-03 | 3 / 3 | N/A | 10927 |
| Antimony | | | | | | 0 / 3 | 0.44 - 0.61 | 0.27 |
| Arsenic | 8.5 | J | 30.3 | J | SD-TT-31-03 | 3 / 3 | N/A | 17 |
| Barium | 51.6 | J | 159 | J | SD-TT-31-03 | 3 / 3 | N/A | 91 |
| Beryllium | 0.46 | | 0.7 | | SD-TT-31-03 | 3 / 3 | N/A | 0.54 |
| Cadmium | 2.3 | J | 5.5 | J | SD-TT-31-03 | 3 / 3 | N/A | 4.2 |
| Calcium | 4040 | | 7730 | | SD-TT-31-03 | 3 / 3 | N/A | 6103 |
| Chromium | 123 | J | 295 | J | SD-TT-31-03 | 3 / 3 | N/A | 185 |
| Cobalt | 8.7 | J | 19.2 | J | SD-TT-31-03 | 3 / 3 | N/A | 12 |
| Copper | 56.7 | J | 181 | J | SD-TT-31-03 | 3 / 3 | N/A | 113 |
| Iron | 15600 | | 40700 | | SD-TT-31-03 | 3 / 3 | N/A | 24000 |
| Lead | 190 | J | 332 | J | SD-TT-31-01 | 3 / 3 | N/A | 277 |
| Magnesium | 3300 | | 5280 | | SD-TT-31-03 | 3 / 3 | N/A | 4070 |
| Manganese | 213 | J | 1210 | J | SD-TT-31-03 | 3 / 3 | N/A | 595 |
| Mercury | 0.94 | J | 1.8 | J | SD-TT-31-01 | 3 / 3 | N/A | 1.4 |
| Nickel | 19.7 | | 35.6 | | SD-TT-31-03 | 3 / 3 | N/A | 26 |
| Potassium | 577 | J | 1020 | J | SD-TT-31-03 | 3 / 3 | N/A | 726 |
| Selenium | 1.8 | J | 4.1 | J | SD-TT-31-03 | 3 / 3 | N/A | 2.7 |
| Silver | 0.6 | J | 0.6 | J | SD-TT-31-03 | 1 / 3 | 0.3 - 0.38 | 0.31 |
| Sodium | 912 | | 2020 | | SD-TT-31-03 | 3 / 3 | N/A | 1554 |
| Vanadium | 38.1 | J | 56.5 | J | SD-TT-31-03 | 3 / 3 | N/A | 46 |
| Zinc | 280 | | 678 | | SD-TT-31-03 | 3 / 3 | N/A | 464 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 6.32 | | 6.32 | | SD-TT-31-03 | 1 / 1 | N/A | 6 |
| Redox Potential | 195 | | 195 | | SD-TT-31-03 | 1 / 1 | N/A | 195 |
| Sulfide | 84.9 | | 84.9 | | SD-TT-31-03 | 1 / 1 | N/A | 85 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-102**
**SEDIMENT DATA SUMMARY - STATION TT-32**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 69 | 35 |
| Acetone | 260 | J | 260 | J | SD-TT-32-02-TR | 1 / 1 | 47 | 260 |
| Methylene Chloride | | | | | | 0 / 1 | 47 | 24 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 240 | 120 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 240 | 120 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 590 | 295 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 240 | 120 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 240 | 120 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 240 | 120 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 590 | 295 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 240 | 120 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 240 | 120 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 240 | 120 |
| 2-Chlorophenol | | | | | | 0 / 1 | 240 | 120 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 240 | 120 |
| 2-Methylphenol | | | | | | 0 / 1 | 240 | 120 |
| 2-Nitroaniline | | | | | | 0 / 1 | 590 | 295 |
| 2-Nitrophenol | | | | | | 0 / 1 | 240 | 120 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 240 | 120 |
| 3-Nitroaniline | | | | | | 0 / 1 | 240 | 120 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 590 | 295 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 240 | 120 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 240 | 120 |
| 4-Chloroaniline | | | | | | 0 / 1 | 240 | 120 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 240 | 120 |
| 4-Nitroaniline | | | | | | 0 / 1 | 590 | 295 |
| 4-Nitrophenol | | | | | | 0 / 1 | 590 | 295 |
| Acenaphthene | | | | | | 0 / 1 | 240 | 120 |
| Acenaphthylene | | | | | | 0 / 1 | 240 | 120 |
| Acetophenone | | | | | | 0 / 1 | 240 | 120 |
| Anthracene | | | | | | 0 / 1 | 240 | 120 |
| Atrazine | | | | | | 0 / 1 | 240 | 120 |
| Benzaldehyde | | | | | | 0 / 1 | 240 | 120 |
| Benzo(a)anthracene | 400 | | 400 | | SD-TT-32-02-TR | 1 / 1 | 240 | 400 |
| Benzo(a)pyrene | 470 | J | 470 | J | SD-TT-32-02-TR | 1 / 1 | 240 | 470 |
| Benzo(b)fluoranthene | 810 | | 810 | | SD-TT-32-02-TR | 1 / 1 | 240 | 810 |
| Benzo(g,h,i)perylene | 230 | J | 230 | J | SD-TT-32-02-TR | 1 / 1 | 240 | 230 |
| Benzo(k)fluoranthene | 180 | J | 180 | J | SD-TT-32-02-TR | 1 / 1 | 240 | 180 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 240 | 120 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 240 | 120 |
| bis(2-Ethylhexyl)phthalate | 370 | | 370 | | SD-TT-32-02-TR | 1 / 1 | 240 | 370 |
| Butylbenzylphthalate | 130 | J | 130 | J | SD-TT-32-02-TR | 1 / 1 | 240 | 130 |
| Caprolactam | | | | | | 0 / 1 | 240 | 120 |
| Carbazole | | | | | | 0 / 1 | 240 | 120 |
| Chrysene | 460 | | 460 | | SD-TT-32-02-TR | 1 / 1 | 240 | 460 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 240 | 120 |
| Dibenzofuran | | | | | | 0 / 1 | 240 | 120 |
| Diethylphthalate | | | | | | 0 / 1 | 240 | 120 |
| Dimethylphthalate | | | | | | 0 / 1 | 240 | 120 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 240 | 120 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 240 | 120 |
| Fluoranthene | 1000 | | 1000 | | SD-TT-32-02-TR | 1 / 1 | 240 | 1000 |
| Fluorene | | | | | | 0 / 1 | 240 | 120 |
| Hexachlorobenzene | | | | | | 0 / 1 | 240 | 120 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 240 | 120 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 240 | 120 |
| Hexachloroethane | | | | | | 0 / 1 | 240 | 120 |
| Indeno(1,2,3-cd)pyrene | 210 | J | 210 | J | SD-TT-32-02-TR | 1 / 1 | 240 | 210 |
| Isophorone | | | | | | 0 / 1 | 240 | 120 |
| Naphthalene sv | | | | | | 0 / 1 | 240 | 120 |
| Nitrobenzene | | | | | | 0 / 1 | 240 | 120 |

**TABLE 2-102**
**SEDIMENT DATA SUMMARY - STATION TT-32**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 240 | 120 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 240 | 120 |
| Pentachlorophenol | | | | | | 0 / 1 | 590 | 295 |
| Phenanthrene | 450 | | 450 | | SD-TT-32-02-TR | 1 / 1 | 240 | 450 |
| Phenol | | | | | | 0 / 1 | 240 | 120 |
| Pyrene | 860 | | 860 | | SD-TT-32-02-TR | 1 / 1 | 240 | 860 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.94 | 0.47 |
| 4,4'-DDE | 0.78 | J | 0.78 | J | SD-TT-32-02-TR | 1 / 1 | 0.94 | 0.78 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.94 | 0.47 |
| Aldrin | | | | | | 0 / 1 | 0.47 | 0.24 |
| alpha-BHC | | | | | | 0 / 1 | 0.47 | 0.24 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.47 | 0.24 |
| Aroclor 1016 | | | | | | 0 / 1 | 9.4 | 4.7 |
| Aroclor 1221 | | | | | | 0 / 1 | 19 | 9.5 |
| Aroclor 1232 | | | | | | 0 / 1 | 9.4 | 4.7 |
| Aroclor 1242 | | | | | | 0 / 1 | 9.4 | 4.7 |
| Aroclor 1248 | | | | | | 0 / 1 | 9.4 | 4.7 |
| Aroclor 1254 | | | | | | 0 / 1 | 9.4 | 4.7 |
| Aroclor 1260 | | | | | | 0 / 1 | 9.4 | 4.7 |
| beta-BHC | | | | | | 0 / 1 | 0.47 | 0.24 |
| delta-BHC | | | | | | 0 / 1 | 0.47 | 0.24 |
| Dieldrin | | | | | | 0 / 1 | 0.94 | 0.47 |
| Endosulfan I | | | | | | 0 / 1 | 0.47 | 0.24 |
| Endosulfan II | | | | | | 0 / 1 | 0.94 | 0.47 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.94 | 0.47 |
| Endrin | | | | | | 0 / 1 | 0.94 | 0.47 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.94 | 0.47 |
| Endrin Ketone | | | | | | 0 / 1 | 0.94 | 0.47 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.47 | 0.24 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.47 | 0.24 |
| Heptachlor | | | | | | 0 / 1 | 0.47 | 0.24 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.47 | 0.24 |
| Methoxychlor | | | | | | 0 / 1 | 4.7 | 2.4 |
| Toxaphene | | | | | | 0 / 1 | 47 | 24 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5080 | | 11500 | | SD-TT-32-02-TR | 4 / 4 | 9.14 | 7975 |
| Antimony | 9.1 | J | 9.1 | J | SD-TT-32-02-TR | 1 / 4 | 0.71 - 2.3 | 2.8 |
| Arsenic | 94.2 | | 403 | | SD-TT-32-03 | 4 / 4 | 1 | 252 |
| Barium | 35.1 | | 112 | | SD-TT-32-03 | 4 / 4 | 0.4 | 70 |
| Beryllium | 0.29 | | 0.82 | J | SD-TT-32-02-TR | 4 / 4 | 0.2 | 0.54 |
| Cadmium | 3.2 | J | 6.5 | J | SD-TT-32-02 | 4 / 4 | 0.6 | 5.0 |
| Calcium | 2090 | | 4960 | | SD-TT-32-03 | 4 / 4 | 2.14 | 3948 |
| Chromium | 368 | | 699 | | SD-TT-32-02-TR | 4 / 4 | 1 | 530 |
| Cobalt | 8.9 | J | 27 | J | SD-TT-32-03 | 4 / 4 | 0.36 | 22 |
| Copper | 183 | J | 403 | | SD-TT-32-02-TR | 4 / 4 | 0.44 | 304 |
| Iron | 14800 | | 57200 | | SD-TT-32-03 | 4 / 4 | 1.4 | 31425 |
| Lead | 152 | J | 288 | | SD-TT-32-02-TR | 4 / 4 | 0.6 | 216 |
| Magnesium | 1490 | | 2890 | | SD-TT-32-02-TR | 4 / 4 | 15.18 | 2100 |
| Manganese | 133 | | 2040 | | SD-TT-32-03 | 4 / 4 | 0.24 | 767 |
| Mercury | 0.44 | | 4.3 | | SD-TT-32-03 | 4 / 4 | 0.2 | 2.7 |
| Nickel | 10.1 | J | 21.6 | J | SD-TT-32-02 | 4 / 4 | 0.8 | 18 |
| Potassium | 646 | J | 646 | J | SD-TT-32-02-TR | 1 / 4 | 4.38 - 498 | 296 |
| Selenium | 2.2 | J | 5.4 | | SD-TT-32-03 | 3 / 4 | 1 | 2.7 |
| Silver | | | | | | 0 / 3 | 0.12 - 1 | 0.22 |
| Sodium | 981 | J | 2450 | J | SD-TT-32-02 | 3 / 4 | 97.3 - 400 | 1380 |
| Thallium | | | | | | 0 / 4 | 0.5 - 1.1 | 0.36 |
| Vanadium | 21.7 | J | 38.1 | J | SD-TT-32-02-TR | 4 / 4 | 0.64 | 31 |
| Zinc | 518 | | 1960 | | SD-TT-32-02 | 4 / 4 | 1.7 | 1195 |
| | | | | | | | | |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 3.6 | | 3.6 | | SD-TT-32-02-TR | 1 / 1 | N/A | 3.6 |
| Copper | 202 | | 202 | | SD-TT-32-02-TR | 1 / 1 | N/A | 202 |

**TABLE 2-102**
**SEDIMENT DATA SUMMARY - STATION TT-32**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Lead | 161 | | 161 | | SD-TT-32-02-TR | 1 / 1 | N/A | 161 |
| Mercury | 0.82 | J | 0.82 | J | SD-TT-32-02-TR | 1 / 1 | N/A | 0.82 |
| Nickel | 12 | | 12 | | SD-TT-32-02-TR | 1 / 1 | N/A | 12 |
| SEM/AVS Ratio | 5.2 | | 5.2 | | SD-TT-32-02-TR | 1 / 1 | N/A | 5.2 |
| Sulfide | 90 | | 90 | | SD-TT-32-02-TR | 1 / 1 | N/A | 90 |
| Zinc | 726 | | 726 | | SD-TT-32-02-TR | 1 / 1 | N/A | 726 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 6.35 | | 6.35 | | SD-TT-32-02 | 1 / 1 | N/A | 6.4 |
| Redox Potential | 146 | | 146 | | SD-TT-32-02 | 1 / 1 | N/A | 146 |
| Sulfide | 297 | J | 297 | J | SD-TT-32-02 | 1 / 1 | N/A | 297 |
| Total Organic Carbon (mg/Kg) | 150000 | J | 150000 | J | SD-TT-32-02-TR | 1 / 1 | 250 | 150000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-103
# SEDIMENT DATA SUMMARY - STATION TT-33
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 28 | 14 |
| Acetone | 200 | J | 200 | J | SD-TT-33-02-TR | 1 / 1 | 23 | 200 |
| Methylene Chloride | | | | | | 0 / 1 | 23 | 12 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 130 | 65 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 130 | 65 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 330 | 165 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 130 | 65 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 130 | 65 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 130 | 65 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 330 | 165 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 130 | 65 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 130 | 65 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 130 | 65 |
| 2-Chlorophenol | | | | | | 0 / 1 | 130 | 65 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 130 | 65 |
| 2-Methylphenol | | | | | | 0 / 1 | 130 | 65 |
| 2-Nitroaniline | | | | | | 0 / 1 | 330 | 165 |
| 2-Nitrophenol | | | | | | 0 / 1 | 130 | 65 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 130 | 65 |
| 3-Nitroaniline | | | | | | 0 / 1 | 130 | 65 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 330 | 165 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 130 | 65 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 130 | 65 |
| 4-Chloroaniline | | | | | | 0 / 1 | 130 | 65 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 130 | 65 |
| 4-Nitroaniline | | | | | | 0 / 1 | 330 | 165 |
| 4-Nitrophenol | | | | | | 0 / 1 | 330 | 165 |
| Acenaphthene | | | | | | 0 / 1 | 130 | 65 |
| Acenaphthylene | | | | | | 0 / 1 | 130 | 65 |
| Acetophenone | | | | | | 0 / 1 | 130 | 65 |
| Anthracene | | | | | | 0 / 1 | 130 | 65 |
| Atrazine | | | | | | 0 / 1 | 130 | 65 |
| Benzaldehyde | | | | | | 0 / 1 | 130 | 65 |
| Benzo(a)anthracene | 110 | J | 110 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 110 |
| Benzo(a)pyrene | 140 | J | 140 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 140 |
| Benzo(b)fluoranthene | 260 | | 260 | | SD-TT-33-02-TR | 1 / 1 | 130 | 260 |
| Benzo(g,h,i)perylene | 60 | J | 60 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 60 |
| Benzo(k)fluoranthene | 99 | J | 99 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 99 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 130 | 65 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 130 | 65 |
| bis(2-Ethylhexyl)phthalate | 81 | J | 81 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 81 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 130 | 65 |
| Caprolactam | | | | | | 0 / 1 | 130 | 65 |
| Carbazole | | | | | | 0 / 1 | 130 | 65 |
| Chrysene | 160 | | 160 | | SD-TT-33-02-TR | 1 / 1 | 130 | 160 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 130 | 65 |
| Dibenzofuran | | | | | | 0 / 1 | 130 | 65 |
| Diethylphthalate | | | | | | 0 / 1 | 130 | 65 |
| Dimethylphthalate | | | | | | 0 / 1 | 130 | 65 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 130 | 65 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 130 | 65 |
| Fluoranthene | 290 | | 290 | | SD-TT-33-02-TR | 1 / 1 | 130 | 290 |
| Fluorene | | | | | | 0 / 1 | 130 | 65 |
| Hexachlorobenzene | | | | | | 0 / 1 | 130 | 65 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 130 | 65 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 130 | 65 |
| Hexachloroethane | | | | | | 0 / 1 | 130 | 65 |
| Indeno(1,2,3-cd)pyrene | 60 | J | 60 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 60 |
| Isophorone | | | | | | 0 / 1 | 130 | 65 |
| Naphthalene sv | | | | | | 0 / 1 | 130 | 65 |
| Nitrobenzene | | | | | | 0 / 1 | 130 | 65 |

# TABLE 2-103
# SEDIMENT DATA SUMMARY - STATION TT-33
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 130 | 65 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 130 | 65 |
| Pentachlorophenol | | | | | | 0 / 1 | 330 | 165 |
| Phenanthrene | 130 | J | 130 | J | SD-TT-33-02-TR | 1 / 1 | 130 | 130 |
| Phenol | | | | | | 0 / 1 | 130 | 65 |
| Pyrene | 270 | | 270 | | SD-TT-33-02-TR | 1 / 1 | 130 | 270 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 1.2 | | 1.2 | | SD-TT-33-02-TR | 1 / 1 | 1.1 | 1.2 |
| 4,4'-DDE | 1.7 | | 1.7 | | SD-TT-33-02-TR | 1 / 1 | 1.1 | 1.7 |
| 4,4'-DDT | | | | | | 0 / 1 | 1.1 | 0.55 |
| Aldrin | | | | | | 0 / 1 | 0.53 | 0.27 |
| alpha-BHC | | | | | | 0 / 1 | 0.53 | 0.27 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.53 | 0.27 |
| Aroclor 1016 | | | | | | 0 / 1 | 11 | 5.5 |
| Aroclor 1221 | | | | | | 0 / 1 | 21 | 11 |
| Aroclor 1232 | | | | | | 0 / 1 | 11 | 5.5 |
| Aroclor 1242 | | | | | | 0 / 1 | 11 | 5.5 |
| Aroclor 1248 | | | | | | 0 / 1 | 11 | 5.5 |
| Aroclor 1254 | | | | | | 0 / 1 | 11 | 5.5 |
| Aroclor 1260 | | | | | | 0 / 1 | 11 | 5.5 |
| beta-BHC | | | | | | 0 / 1 | 0.53 | 0.27 |
| delta-BHC | | | | | | 0 / 1 | 0.53 | 0.27 |
| Dieldrin | | | | | | 0 / 1 | 1.1 | 0.55 |
| Endosulfan I | | | | | | 0 / 1 | 0.53 | 0.27 |
| Endosulfan II | | | | | | 0 / 1 | 1.1 | 0.55 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 1.1 | 0.55 |
| Endrin | | | | | | 0 / 1 | 1.1 | 0.55 |
| Endrin Aldehyde | | | | | | 0 / 1 | 1.1 | 0.55 |
| Endrin Ketone | | | | | | 0 / 1 | 1.1 | 0.55 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 0.53 | 0.27 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.53 | 0.27 |
| Heptachlor | | | | | | 0 / 1 | 0.53 | 0.27 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.53 | 0.27 |
| Methoxychlor | | | | | | 0 / 1 | 5.3 | 2.7 |
| Toxaphene | | | | | | 0 / 1 | 53 | 27 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6640 | | 11700 | | SD-TT-33-01 | 4 / 4 | 9.14 | 9603 |
| Antimony | 3.5 | J | 9.1 | J | SD-TT-33-02 | 4 / 4 | 0.74 | 5.7 |
| Arsenic | 180 | J | 288 | J | SD-TT-33-03 | 4 / 4 | 1 | 241 |
| Barium | 41.2 | | 78.4 | | SD-TT-33-03 | 4 / 4 | 0.4 | 62 |
| Beryllium | 0.39 | | 0.72 | | SD-TT-33-03 | 4 / 4 | 0.2 | 0.57 |
| Cadmium | 2.8 | | 7.4 | J | SD-TT-33-01 | 4 / 4 | 0.6 | 5.6 |
| Calcium | 2370 | | 5130 | | SD-TT-33-01 | 4 / 4 | 2.14 | 3395 |
| Chromium | 420 | | 2200 | J | SD-TT-33-02 | 4 / 4 | 1 | 987 |
| Cobalt | 14.1 | J | 27.4 | | SD-TT-33-03 | 4 / 4 | 0.36 | 20 |
| Copper | 270 | | 489 | J | SD-TT-33-01 | 4 / 4 | 0.44 | 407 |
| Iron | 16800 | | 37800 | | SD-TT-33-03 | 4 / 4 | 1.4 | 30475 |
| Lead | 141 | | 285 | J | SD-TT-33-03 | 4 / 4 | 0.6 | 198 |
| Magnesium | 1330 | | 2560 | | SD-TT-33-03 | 4 / 4 | 15.18 | 1945 |
| Manganese | 154 | J | 776 | | SD-TT-33-02-TR | 4 / 4 | 0.24 | 594 |
| Mercury | 1.2 | | 5.6 | J | SD-TT-33-03 | 4 / 4 | 0.2 | 3.2 |
| Nickel | 9.2 | | 22 | | SD-TT-33-03 | 4 / 4 | 0.8 | 15 |
| Potassium | 243 | | 507 | | SD-TT-33-01 | 4 / 4 | 4.38 | 380 |
| Selenium | 2.7 | J | 4.6 | J | SD-TT-33-03 | 3 / 4 | 0.99 | 3.0 |
| Silver | 1.1 | J | 2.3 | J | SD-TT-33-03 | 3 / 4 | 0.99 | 1.5 |
| Sodium | 2010 | J | 2790 | J | SD-TT-33-01 | 3 / 4 | 97.3 | 1822 |
| Thallium | | | | | | 0 / 4 | 0.31 - 1.1 | 0.39 |
| Vanadium | 19.3 | | 42.2 | | SD-TT-33-03 | 4 / 4 | 0.64 | 30 |
| Zinc | 581 | J | 1090 | J | SD-TT-33-02 | 4 / 4 | 1.7 | 940 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 2.2 | | 2.2 | | SD-TT-33-02-TR | 1 / 1 | N/A | 2.2 |
| Copper | 178 | | 178 | | SD-TT-33-02-TR | 1 / 1 | N/A | 178 |

**TABLE 2-103**
**SEDIMENT DATA SUMMARY - STATION TT-33**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Lead | 104 | | 104 | | SD-TT-33-02-TR | 1 / 1 | N/A | 104 |
| Mercury | 1.1 | J | 1.1 | J | SD-TT-33-02-TR | 1 / 1 | N/A | 1.1 |
| Nickel | 6.1 | | 6.1 | | SD-TT-33-02-TR | 1 / 1 | N/A | 6.1 |
| SEM/AVS Ratio | 4.6 | | 4.6 | | SD-TT-33-02-TR | 1 / 1 | N/A | 4.6 |
| Sulfide | 63 | | 63 | | SD-TT-33-02-TR | 1 / 1 | N/A | 63 |
| Zinc | 401 | | 401 | | SD-TT-33-02-TR | 1 / 1 | N/A | 401 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 6.7 | | 6.7 | | SD-TT-33-02 | 1 / 1 | N/A | 6.7 |
| Redox Potential | 119 | | 119 | | SD-TT-33-02 | 1 / 1 | N/A | 119 |
| Sulfide | 37.7 | J | 37.7 | J | SD-TT-33-02 | 1 / 1 | N/A | 38 |
| Total Organic Carbon (mg/Kg) | 86000 | J | 86000 | J | SD-TT-33-02-TR | 1 / 1 | 250 | 86000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-104
## SEDIMENT DATA SUMMARY - STATION UF
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | 79.5 | J | 79.5 | J | SD-UF-02-TR | 1 / 1 | 92 | 80 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | 37.5 | J | 37.5 | J | SD-UF-02-TR | 1 / 1 | 92 | 38 |
| Acetone | 565 | J | 565 | J | SD-UF-02-TR | 1 / 1 | 92 | 565 |
| Methyl Acetate | 150 | J | 150 | J | SD-UF-02-TR | 1 / 1 | 92 | 150 |
| Methylene Chloride | | | | | | 0 / 1 | 73 | 37 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 510 | 255 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 510 | 255 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 1300 | 650 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 510 | 255 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 510 | 255 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 510 | 255 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 1300 | 650 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 510 | 255 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 510 | 255 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 510 | 255 |
| 2-Chlorophenol | | | | | | 0 / 1 | 510 | 255 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 510 | 255 |
| 2-Methylphenol | | | | | | 0 / 1 | 510 | 255 |
| 2-Nitroaniline | | | | | | 0 / 1 | 1300 | 650 |
| 2-Nitrophenol | | | | | | 0 / 1 | 510 | 255 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 510 | 255 |
| 3+4-Methylphenols | | | | | | 0 / 1 | 510 | 255 |
| 3-Nitroaniline | | | | | | 0 / 1 | 510 | 255 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 1300 | 650 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 510 | 255 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 510 | 255 |
| 4-Chloroaniline | | | | | | 0 / 1 | 510 | 255 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 510 | 255 |
| 4-Nitroaniline | | | | | | 0 / 1 | 1300 | 650 |
| 4-Nitrophenol | | | | | | 0 / 1 | 1300 | 650 |
| Acenaphthene | | | | | | 0 / 1 | 510 | 255 |
| Acenaphthylene | | | | | | 0 / 1 | 510 | 255 |
| Acetophenone | | | | | | 0 / 1 | 510 | 255 |
| Anthracene | | | | | | 0 / 1 | 510 | 255 |
| Atrazine | | | | | | 0 / 1 | 510 | 255 |
| Benzaldehyde | | | | | | 0 / 1 | 510 | 255 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 510 | 255 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 510 | 255 |
| Benzo(b)fluoranthene | 290 | J | 290 | J | SD-UF-02-TR | 1 / 1 | 510 | 290 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 510 | 255 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 510 | 255 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 510 | 255 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 510 | 255 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 510 | 255 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 510 | 255 |
| Caprolactam | | | | | | 0 / 1 | 510 | 255 |
| Carbazole | | | | | | 0 / 1 | 510 | 255 |
| Chrysene | | | | | | 0 / 1 | 510 | 255 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 510 | 255 |
| Dibenzofuran | | | | | | 0 / 1 | 510 | 255 |
| Diethylphthalate | | | | | | 0 / 1 | 510 | 255 |
| Dimethylphthalate | | | | | | 0 / 1 | 510 | 255 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 510 | 255 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 510 | 255 |
| Fluoranthene | 270 | J | 270 | J | SD-UF-02-TR | 1 / 1 | 510 | 270 |

**TABLE 2-104**
**SEDIMENT DATA SUMMARY - STATION UF**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Fluorene | | | | | | 0 / 1 | 510 | 255 |
| Hexachlorobenzene | | | | | | 0 / 1 | 510 | 255 |
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 510 | 255 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 510 | 255 |
| Hexachloroethane | | | | | | 0 / 1 | 510 | 255 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 510 | 255 |
| Isophorone | | | | | | 0 / 1 | 510 | 255 |
| Naphthalene sv | | | | | | 0 / 1 | 510 | 255 |
| Nitrobenzene | | | | | | 0 / 1 | 510 | 255 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 510 | 255 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 510 | 255 |
| Pentachlorophenol | | | | | | 0 / 1 | 1300 | 650 |
| Phenanthrene | | | | | | 0 / 1 | 510 | 255 |
| Phenol | | | | | | 0 / 1 | 510 | 255 |
| Pyrene | 270 | J | 270 | J | SD-UF-02-TR | 1 / 1 | 510 | 270 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 4.2 | 2.1 |
| 4,4'-DDE | 3.05 | J | 3.05 | J | SD-UF-02-TR | 1 / 1 | 4.2 | 3.1 |
| 4,4'-DDT | | | | | | 0 / 1 | 4.2 | 2.1 |
| Aldrin | | | | | | 0 / 1 | 2.1 | 1.1 |
| alpha-BHC | | | | | | 0 / 1 | 2.1 | 1.1 |
| alpha-Chlordane | | | | | | 0 / 1 | 2.1 | 1.1 |
| Aroclor 1016 | | | | | | 0 / 1 | 42 | 21 |
| Aroclor 1221 | | | | | | 0 / 1 | 83 | 42 |
| Aroclor 1232 | | | | | | 0 / 1 | 42 | 21 |
| Aroclor 1242 | | | | | | 0 / 1 | 42 | 21 |
| Aroclor 1248 | | | | | | 0 / 1 | 42 | 21 |
| Aroclor 1254 | | | | | | 0 / 1 | 42 | 21 |
| Aroclor 1260 | | | | | | 0 / 1 | 42 | 21 |
| beta-BHC | | | | | | 0 / 1 | 2.1 | 1.1 |
| delta-BHC | | | | | | 0 / 1 | 2.1 | 1.1 |
| Dieldrin | | | | | | 0 / 1 | 4.2 | 2.1 |
| Endosulfan I | | | | | | 0 / 1 | 2.1 | 1.1 |
| Endosulfan II | | | | | | 0 / 1 | 4.2 | 2.1 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 4.2 | 2.1 |
| Endrin | | | | | | 0 / 1 | 4.2 | 2.1 |
| Endrin Aldehyde | | | | | | 0 / 1 | 4.2 | 2.1 |
| Endrin Ketone | | | | | | 0 / 1 | 4.2 | 2.1 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 2.1 | 1.1 |
| gamma-Chlordane | | | | | | 0 / 1 | 2.1 | 1.1 |
| Heptachlor | | | | | | 0 / 1 | 2.1 | 1.1 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 2.1 | 1.1 |
| Methoxychlor | | | | | | 0 / 1 | 21 | 11 |
| Toxaphene | | | | | | 0 / 1 | 210 | 105 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 21700 | | 24800 | | SD-UF-02 | 4 / 4 | 3.1012 - 370 | 23138 |
| Antimony | 8.15 | | 8.15 | | SD-UF-02-TR | 1 / 1 | 103 | 8.2 |
| Arsenic | 121 | | 177.5 | | SD-UF-02-TR | 4 / 4 | 0.3101 - 406 | 149 |
| Barium | 147 | | 198 | | SD-UF-03 | 4 / 4 | 0.3101 - 35.9 | 171 |
| Beryllium | 1.2 | | 1.6 | J | SD-UF-02-TR | 4 / 4 | 0.124 - 4.75 | 1.4 |
| Cadmium | 10.6 | | 19.15 | | SD-UF-02-TR | 4 / 4 | 0.124 - 22.7 | 15 |
| Calcium | 7650 | | 8600 | | SD-UF-01 | 4 / 4 | 6.2023 - 677 | 8215 |
| Chromium | 389 | | 954 | | SD-UF-02 | 4 / 4 | 0.3101 - 63.7 | 673 |
| Cobalt | 26 | | 32.15 | J | SD-UF-02-TR | 4 / 4 | 0.3101 - 100 | 30 |
| Copper | 493 | | 699 | | SD-UF-02 | 4 / 4 | 0.3101 - 45 | 607 |

**TABLE 2-104**
**SEDIMENT DATA SUMMARY - STATION UF**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 1 | | 4.4 | | SD-UF-02 | 3 / 3 | 0.2227 - 0.3368 | 2.4 |
| Iron | 44300 | J | 47100 | | SD-UF-02-TR | 4 / 4 | 1.9195 - 2406 | 46000 |
| Lead | 607 | | 1230 | | SD-UF-02 | 4 / 4 | 0.1861 - 75 | 942 |
| Magnesium | 6045 | | 7350 | | SD-UF-03 | 4 / 4 | 6.2023 - 855 | 6561 |
| Manganese | 478 | | 923 | | SD-UF-03 | 4 / 4 | 0.3101 - 12.7 | 712 |
| Mercury | 0.3 | J | 2 | J | SD-UF-01 | 4 / 4 | 0.207 - 100 | 1.5 |
| Nickel | 46.4 | | 53.8 | | SD-UF-02 | 4 / 4 | 0.3101 - 63 | 49 |
| Potassium | 1590 | | 1975 | J | SD-UF-02-TR | 4 / 4 | 12.404 - 4930 | 1799 |
| Selenium | 2.2 | | 2.7 | | SD-UF-02 | 3 / 4 | 0.8023 - 498 | 1.9 |
| Silver | 0.42 | J | 1.4 | J | SD-UF-02 | 3 / 4 | 0.3101 - 41.7 | 0.88 |
| Sodium | 636 | J | 1165 | | SD-UF-02-TR | 4 / 4 | 31.011 - 733 | 830 |
| Thallium | 0.68 | J | 1.1 | | SD-UF-02 | 3 / 4 | 0.2407 - 400 | 0.80 |
| Vanadium | 78.6 | J | 110 | J | SD-UF-02 | 4 / 4 | 0.3101 - 87 | 92 |
| Zinc | 2060 | | 3270 | | SD-UF-02 | 4 / 4 | 0.3101 - 75.9 | 2741 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 11 | | 11 | | SD-UF-02-TR | 1 / 1 | N/A | 11 |
| Copper | 316 | | 316 | | SD-UF-02-TR | 1 / 1 | N/A | 316 |
| Lead | 657 | | 657 | | SD-UF-02-TR | 1 / 1 | N/A | 657 |
| Mercury | 0.060 | J | 0.060 | J | SD-UF-02-TR | 1 / 1 | N/A | 0.060 |
| Nickel | 20 | | 20 | | SD-UF-02-TR | 1 / 1 | N/A | 20 |
| SEM/AVS Ratio | 2.5 | | 2.5 | | SD-UF-02-TR | 1 / 1 | N/A | 2.5 |
| Sulfide | 504 | J | 504 | J | SD-UF-02-TR | 1 / 1 | N/A | 504 |
| Zinc | 1780 | J | 1780 | J | SD-UF-02-TR | 1 / 1 | N/A | 1780 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 1 | 8.297 | 4 |
| pH | 6 | | 6 | | SD-UF-03 | 1 / 1 | N/A | 6 |
| Redox Potential | -42 | | -42 | | SD-UF-03 | 1 / 1 | N/A | -42 |
| Sulfide | 975 | J | 975 | J | SD-UF-03 | 1 / 1 | 5.67 | 975 |
| Total Organic Carbon (mg/Kg) | 360000 | | 360000 | | SD-UF-02-TR | 1 / 1 | 250 | 360000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-105**
**SEDIMENT DATA SUMMARY - STATION UM**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 14300 | | 23000 | | SD-UM-02 | 3 / 3 | 4.4135 - 4.4592 | 18900 |
| Arsenic | 171 | | 323 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 240 |
| Barium | 181 | | 366 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 251 |
| Beryllium | 0.895 | | 1.4 | | SD-UM-02 | 3 / 3 | 0.1765 - 0.1784 | 1.2 |
| Cadmium | 7.65 | | 12 | | SD-UM-03 | 3 / 3 | 0.1765 - 0.1784 | 10 |
| Calcium | 3755 | | 6580 | | SD-UM-02 | 3 / 3 | 8.8271 - 8.9184 | 5418 |
| Chromium | 302 | | 356 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 322 |
| Cobalt | 30.6 | | 72.2 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 49 |
| Copper | 362.5 | | 565 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 476 |
| Cyanide | 0.565 | J | 1.6 | J | SD-UM-03 | 3 / 3 | 0.241 - 0.3883 | 1.1 |
| Iron | 49200 | | 106000 | | SD-UM-02 | 3 / 3 | 3.5308 - 7.1057 | 75450 |
| Lead | 802 | | 1290 | | SD-UM-02 | 3 / 3 | 0.2648 - 0.2676 | 1022 |
| Magnesium | 3735 | | 6040 | | SD-UM-02 | 3 / 3 | 8.8271 - 8.9184 | 5028 |
| Manganese | 1020 | | 3060 | | SD-UM-02 | 3 / 3 | 0.4414 - 1.7764 | 1915 |
| Mercury | 0.89 | J | 0.89 | J | SD-UM-03 | 1 / 1 | 0.372 | 0.89 |
| Nickel | 40.25 | | 64.3 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 50 |
| Potassium | 1042.5 | | 1740 | | SD-UM-02 | 3 / 3 | 17.654 - 17.836 | 1431 |
| Selenium | 2.2 | J | 4 | J | SD-UM-03 | 3 / 3 | 0.7131 - 0.8749 | 3.0 |
| Silver | 1.015 | J | 1.3 | J | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 1.1 |
| Thallium | 0.49 | J | 0.78 | J | SD-UM-03 | 3 / 3 | 0.2139 - 0.2625 | 0.62 |
| Vanadium | 114 | | 180 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 138 |
| Zinc | 1995 | | 3090 | | SD-UM-02 | 3 / 3 | 0.4414 - 0.4459 | 2615 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-106**
**SEDIMENT DATA SUMMARY - STATION WG**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3140 | | 25700 | | SD-WG-13 | 20 / 20 | 3.6284 - 4.7473 | 13938 |
| Antimony | 0.75 | J | 24.5 | J | SD-WG-07 | 10 / 18 | 0.3628 - 6.6 | 6.0 |
| Arsenic | 6.6 | | 1450 | J | SD-WG-07 | 20 / 20 | 0.3628 - 0.4747 | 134 |
| Barium | 14.1 | | 177 | | SD-WG-01 | 20 / 20 | 0.3628 - 0.4747 | 79 |
| Beryllium | 0.27 | J | 2.6 | | SD-WG-13 | 19 / 20 | 0.1451 - 0.1899 | 1.1 |
| Cadmium | 0.46 | | 12.3 | | SD-WG-10 | 20 / 20 | 0.1451 - 0.1899 | 5.1 |
| Calcium | 1200 | | 17350 | | SD-WG-09 | 20 / 20 | 7.2569 - 9.4945 | 9423 |
| Chromium | 14.3 | | 2570 | | SD-WG-10 | 20 / 20 | 0.3628 - 0.4747 | 578 |
| Cobalt | 2.7 | J | 44.1 | | SD-WG-07 | 20 / 20 | 0.3628 - 0.4747 | 16 |
| Copper | 18.8 | | 1330 | | SD-WG-07 | 20 / 20 | 0.3628 - 0.4747 | 479 |
| Cyanide | 0.32 | J | 2.5 | J | SD-WG-19 | 15 / 20 | 0.0942 - 0.4748 | 0.87 |
| Iron | 4920 | | 119000 | | SD-WG-07 | 20 / 20 | 1.4514 - 6.9495 | 20514 |
| Lead | 23.9 | | 810 | | SD-WG-07 | 20 / 20 | 0.2177 - 0.2848 | 440 |
| Magnesium | 184 | J | 5110 | | SD-WG-20 | 20 / 20 | 7.2569 - 9.4945 | 1916 |
| Manganese | 89.5 | | 1910 | | SD-WG-01 | 20 / 20 | 0.3628 - 0.4747 | 704 |
| Mercury | 0.1 | J | 11.6 | J | SD-WG-07 | 19 / 20 | 0.0616 - 0.3289 | 1.4 |
| Nickel | 4.8 | | 79.2 | | SD-WG-20 | 20 / 20 | 0.3628 - 0.4747 | 29 |
| Potassium | 84 | J | 1035 | | SD-WG-20 | 20 / 20 | 14.513 - 18.989 | 440 |
| Selenium | 0.66 | J | 8.6 | | SD-WG-02 | 19 / 20 | 0.1522 - 1.6 | 3.6 |
| Silver | 0.64 | J | 2.95 | J | SD-WG-20 | 3 / 20 | 0.36 - 0.4747 | 0.40 |
| Sodium | 78.9 | J | 652 | J | SD-WG-14 | 16 / 16 | 36.284 - 47.447 | 464 |
| Thallium | 0.24 | J | 0.7 | J | SD-WG-01 | 13 / 20 | 0.2218 - 0.2821 | 0.34 |
| Vanadium | 10.3 | | 104.35 | | SD-WG-09 | 20 / 20 | 0.3628 - 0.4747 | 55 |
| Zinc | 80.1 | | 2080 | | SD-WG-10 | 20 / 20 | 0.3628 - 0.4747 | 856 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-107
## SEDIMENT DATA SUMMARY - STATION WH
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 140 | 70 |
| Acetone | 2700 | J | 2700 | J | SD-WH-07-TR | 1 / 1 | 190 | 2700 |
| Methylene Chloride | | | | | | 0 / 1 | 140 | 70 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 600 | 300 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 600 | 300 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 1500 | 750 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 600 | 300 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 600 | 300 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 600 | 300 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 1500 | 750 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 600 | 300 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 600 | 300 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 600 | 300 |
| 2-Chlorophenol | | | | | | 0 / 1 | 600 | 300 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 600 | 300 |
| 2-Methylphenol | | | | | | 0 / 1 | 600 | 300 |
| 2-Nitroaniline | | | | | | 0 / 1 | 1500 | 750 |
| 2-Nitrophenol | | | | | | 0 / 1 | 600 | 300 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 600 | 300 |
| 3-Nitroaniline | | | | | | 0 / 1 | 600 | 300 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 1500 | 750 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 600 | 300 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 600 | 300 |
| 4-Chloroaniline | | | | | | 0 / 1 | 600 | 300 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 600 | 300 |
| 4-Nitroaniline | | | | | | 0 / 1 | 1500 | 750 |
| 4-Nitrophenol | | | | | | 0 / 1 | 1500 | 750 |
| Acenaphthene | | | | | | 0 / 1 | 600 | 300 |
| Acenaphthylene | | | | | | 0 / 1 | 600 | 300 |
| Acetophenone | | | | | | 0 / 1 | 600 | 300 |
| Anthracene | | | | | | 0 / 1 | 600 | 300 |
| Atrazine | | | | | | 0 / 1 | 600 | 300 |
| Benzaldehyde | | | | | | 0 / 1 | 600 | 300 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 600 | 300 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 600 | 300 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 600 | 300 |
| Benzo(k)fluoranthene | 660 | J | 660 | J | SD-WH-07-TR | 1 / 1 | 720 | 660 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 600 | 300 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 600 | 300 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 600 | 300 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 600 | 300 |
| Caprolactam | | | | | | 0 / 1 | 600 | 300 |
| Carbazole | | | | | | 0 / 1 | 600 | 300 |
| Chrysene | | | | | | 0 / 1 | 600 | 300 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 600 | 300 |
| Dibenzofuran | | | | | | 0 / 1 | 600 | 300 |
| Diethylphthalate | | | | | | 0 / 1 | 600 | 300 |
| Dimethylphthalate | | | | | | 0 / 1 | 600 | 300 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 600 | 300 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 600 | 300 |
| Fluoranthene | | | | | | 0 / 1 | 600 | 300 |
| Fluorene | | | | | | 0 / 1 | 600 | 300 |
| Hexachlorobenzene | | | | | | 0 / 1 | 600 | 300 |

**TABLE 2-107**
**SEDIMENT DATA SUMMARY - STATION WH**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 600 | 300 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 600 | 300 |
| Hexachloroethane | | | | | | 0 / 1 | 600 | 300 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 600 | 300 |
| Isophorone | | | | | | 0 / 1 | 600 | 300 |
| Naphthalene sv | | | | | | 0 / 1 | 600 | 300 |
| Nitrobenzene | | | | | | 0 / 1 | 600 | 300 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 600 | 300 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 600 | 300 |
| Pentachlorophenol | | | | | | 0 / 1 | 1500 | 750 |
| Phenanthrene | | | | | | 0 / 1 | 600 | 300 |
| Phenol | | | | | | 0 / 1 | 600 | 300 |
| Pyrene | | | | | | 0 / 1 | 600 | 300 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 4.9 | 2.5 |
| 4,4'-DDE | | | | | | 0 / 1 | 4.9 | 2.5 |
| 4,4'-DDT | | | | | | 0 / 1 | 4.9 | 2.5 |
| Aldrin | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-Chlordane | | | | | | 0 / 1 | 2.5 | 1.3 |
| Aroclor 1016 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor 1221 | | | | | | 0 / 1 | 99 | 50 |
| Aroclor 1232 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor 1242 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor 1248 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor 1254 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor 1260 | | | | | | 0 / 1 | 49 | 25 |
| beta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| delta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| Dieldrin | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endosulfan I | | | | | | 0 / 1 | 2.5 | 1.3 |
| Endosulfan II | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin Aldehyde | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin Ketone | | | | | | 0 / 1 | 4.9 | 2.5 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 2.5 | 1.3 |
| gamma-Chlordane | | | | | | 0 / 1 | 2.5 | 1.3 |
| Heptachlor | | | | | | 0 / 1 | 2.5 | 1.3 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 2.5 | 1.3 |
| Methoxychlor | | | | | | 0 / 1 | 25 | 13 |
| Toxaphene | | | | | | 0 / 1 | 250 | 125 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4720 | | 17500 | | SD-WH-02 | 11 / 11 | 4.1266 - 9.14 | 10695 |
| Antimony | 9.9 | | 35.4 | J | SD-WH-09 | 11 / 11 | 0.4127 - 0.74 | 22 |
| Arsenic | 4.7 | | 424 | | SD-WH-02 | 11 / 11 | 0.4127 - 1 | 114 |
| Barium | 53.9 | | 132 | | SD-WH-05 | 11 / 11 | 0.4 - 0.4799 | 81 |
| Beryllium | 0.28 | J | 1.6 | | SD-WH-04 | 11 / 11 | 0.1651 - 0.2 | 0.92 |
| Cadmium | 0.87 | J | 15.1 | J | SD-WH-01 | 11 / 11 | 0.1651 - 0.6 | 5.9 |
| Calcium | 10500 | | 18700 | | SD-WH-09 | 11 / 11 | 2.14 - 9.5972 | 13995 |
| Chromium | 17.7 | | 1170 | | SD-WH-02 | 11 / 11 | 0.4127 - 1 | 346 |
| Cobalt | 2.4 | J | 34.4 | | SD-WH-05 | 11 / 11 | 0.36 - 0.4799 | 12 |
| Copper | 23.8 | | 572 | | SD-WH-02 | 11 / 11 | 0.4127 - 0.4799 | 248 |
| Cyanide | 0.26 | J | 1.1 | | SD-WH-05 | 9 / 10 | 0.2232 - 0.3788 | 0.57 |
| Iron | 4020 | | 76600 | | SD-WH-05 | 11 / 11 | 1.4 - 3.5747 | 24718 |
| Lead | 771 | | 2540 | | SD-WH-06 | 11 / 11 | 0.2476 - 0.6 | 1516 |
| Magnesium | 1140 | | 3260 | | SD-WH-02 | 11 / 11 | 8.2533 - 15.18 | 2041 |
| Manganese | 51.9 | | 747 | | SD-WH-05 | 11 / 11 | 0.24 - 0.4799 | 250 |

**TABLE 2-107**
**SEDIMENT DATA SUMMARY - STATION WH**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Mercury | 0.25 | J | 0.98 | J | SD-WH-02 | 9 / 10 | 0.02 - 0.3294 | 0.54 |
| Nickel | 11.8 | | 44 | | SD-WH-01 | 11 / 11 | 0.4127 - 0.8 | 24 |
| Potassium | 178 | J | 924 | | SD-WH-02 | 11 / 11 | 4.38 - 19.194 | 458 |
| Selenium | 1.55 | J | 4.1 | J | SD-WH-04 | 11 / 11 | 0.1574 - 1 | 2.7 |
| Silver | 0.46 | J | 0.46 | J | SD-WH-01 | 1 / 11 | 0.4 - 1 | 0.26 |
| Sodium | 394 | J | 973 | | SD-WH-09 | 11 / 11 | 41.266 - 98.04 | 671 |
| Thallium | 0.2225 | J | 1.5 | | SD-WH-01 | 9 / 11 | 0.236 - 1.1 | 0.56 |
| Vanadium | 32.3 | | 163 | | SD-WH-04 | 11 / 11 | 0.4127 - 0.64 | 76 |
| Zinc | 181 | | 3230 | | SD-WH-01 | 6 / 11 | 0.4127 - 634 | 978 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 3.6 | | 3.6 | | SD-WH-07-TR | 1 / 1 | N/A | 3.6 |
| Copper | 58 | | 58 | | SD-WH-07-TR | 1 / 1 | N/A | 58 |
| Lead | 1359 | | 1359 | | SD-WH-07-TR | 1 / 1 | N/A | 1359 |
| Mercury | 0.79 | J | 0.79 | J | SD-WH-07-TR | 1 / 1 | N/A | 0.79 |
| Nickel | 18 | | 18 | | SD-WH-07-TR | 1 / 1 | N/A | 18 |
| SEM/AVS Ratio | 3.3 | | 3.3 | | SD-WH-07-TR | 1 / 1 | N/A | 3.3 |
| Sulfide | 159 | | 159 | | SD-WH-07-TR | 1 / 1 | N/A | 159 |
| Zinc | 605 | | 605 | | SD-WH-07-TR | 1 / 1 | N/A | 605 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 2 | 11.977 - 14.972 | 6.7 |
| pH | 6 | | 6 | | SD-WH-01 | 2 / 2 | N/A | 5.9 |
| Redox Potential | -43 | | -36 | | SD-WH-01 | 2 / 2 | N/A | -40 |
| Sulfide | 183 | J | 674 | J | SD-WH-01 | 2 / 2 | 9.21 - 28.8 | 429 |
| Total Organic Carbon (mg/Kg) | 815000 | J | 815000 | J | SD-WH-07-TR | 1 / 1 | 250 | 815000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-108**
**SEDIMENT DATA SUMMARY - STATION WS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3570 | | 13500 | | SD-WS-08 | 10 / 10 | 3.3362 - 4.7156 | 8500 |
| Antimony | 1.2 | J | 7.2 | J | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 4.0 |
| Arsenic | 17.7 | | 339 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 168 |
| Barium | 60.8 | | 200 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 119 |
| Beryllium | 0.2 | J | 0.87 | | SD-WS-08 | 10 / 10 | 0.1334 - 0.1886 | 0.53 |
| Cadmium | 1.3 | | 16.7 | | SD-WS-08 | 10 / 10 | 0.1334 - 0.1886 | 8.1 |
| Calcium | 7875 | J | 18300 | J | SD-WS-08 | 10 / 10 | 6.6725 - 9.4312 | 13503 |
| Chromium | 67.7 | | 1320 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 504 |
| Cobalt | 5.5 | | 44.8 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 19 |
| Copper | 68 | | 686 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 306 |
| Cyanide | 1.4 | J | 12.1 | J | SD-WS-08 | 10 / 10 | 0.1443 - 0.567 | 3.6 |
| Iron | 12800 | J | 52400 | J | SD-WS-08 | 10 / 10 | 1.3345 - 3.4992 | 29765 |
| Lead | 165 | | 490 | | SD-WS-08 | 10 / 10 | 0.2002 - 0.2829 | 295 |
| Magnesium | 1560 | | 3870 | | SD-WS-10 | 10 / 10 | 6.6725 - 9.4312 | 2719 |
| Manganese | 413 | J | 1420 | J | SD-WS-06 | 10 / 10 | 0.3336 - 0.4716 | 1036 |
| Mercury | 0.22 | J | 1.8 | J | SD-WS-02 | 8 / 8 | 0.1275 - 0.3418 | 0.98 |
| Nickel | 17.4 | J | 46.3 | J | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 30 |
| Potassium | 429 | J | 1270 | | SD-WS-08 | 10 / 10 | 13.344 - 18.862 | 840 |
| Selenium | 0.79 | J | 3.8 | J | SD-WS-08 | 10 / 10 | 0.1554 - 0.9153 | 2.1 |
| Silver | | | | | | 0 / 10 | 0.33 - 0.4716 | 0.21 |
| Sodium | 631 | | 1970 | | SD-WS-05 | 10 / 10 | 33.362 - 47.155 | 1037 |
| Thallium | 0.5 | J | 2.2 | J | SD-WS-08 | 8 / 10 | 0.23 - 0.2746 | 0.76 |
| Vanadium | 22.2 | | 56.1 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 37 |
| Zinc | 299 | | 3440 | | SD-WS-08 | 10 / 10 | 0.3336 - 0.4716 | 1542 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-109**
**SEDIMENT DATA SUMMARY - STATION WW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 110 | 55 |
| Acetone | 410 | J | 410 | J | SD-WW-06-TR | 1 / 1 | 10 | 410 |
| Methylene Chloride | | | | | | 0 / 1 | 60 | 30 |
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 1 | 610 | 305 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 1 | 610 | 305 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 1500 | 750 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 610 | 305 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 610 | 305 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 610 | 305 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 1500 | 750 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 610 | 305 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 610 | 305 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 610 | 305 |
| 2-Chlorophenol | | | | | | 0 / 1 | 610 | 305 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 610 | 305 |
| 2-Methylphenol | | | | | | 0 / 1 | 610 | 305 |
| 2-Nitroaniline | | | | | | 0 / 1 | 1500 | 750 |
| 2-Nitrophenol | | | | | | 0 / 1 | 610 | 305 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 610 | 305 |
| 3-Nitroaniline | | | | | | 0 / 1 | 610 | 305 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 1500 | 750 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 610 | 305 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 610 | 305 |
| 4-Chloroaniline | | | | | | 0 / 1 | 610 | 305 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 1 | 610 | 305 |
| 4-Nitroaniline | | | | | | 0 / 1 | 1500 | 750 |
| 4-Nitrophenol | | | | | | 0 / 1 | 1500 | 750 |
| Acenaphthene | | | | | | 0 / 1 | 610 | 305 |
| Acenaphthylene | | | | | | 0 / 1 | 610 | 305 |
| Acetophenone | | | | | | 0 / 1 | 610 | 305 |
| Anthracene | | | | | | 0 / 1 | 610 | 305 |
| Atrazine | | | | | | 0 / 1 | 610 | 305 |
| Benzaldehyde | | | | | | 0 / 1 | 610 | 305 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 610 | 305 |
| Benzo(b)fluoranthene | 330 | J | 330 | J | SD-WW-06-TR | 1 / 1 | 610 | 330 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 610 | 305 |
| Benzo(k)fluoranthene | 610 | J | 610 | J | SD-WW-06-TR | 1 / 1 | 610 | 610 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 610 | 305 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 610 | 305 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 610 | 305 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 610 | 305 |
| Caprolactam | | | | | | 0 / 1 | 610 | 305 |
| Carbazole | | | | | | 0 / 1 | 610 | 305 |
| Chrysene | 300 | J | 300 | J | SD-WW-06-TR | 1 / 1 | 610 | 300 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 610 | 305 |
| Dibenzofuran | | | | | | 0 / 1 | 610 | 305 |
| Diethylphthalate | | | | | | 0 / 1 | 610 | 305 |
| Dimethylphthalate | | | | | | 0 / 1 | 610 | 305 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 610 | 305 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 610 | 305 |
| Fluoranthene | 500 | J | 500 | J | SD-WW-06-TR | 1 / 1 | 610 | 500 |
| Fluorene | | | | | | 0 / 1 | 610 | 305 |
| Hexachlorobenzene | | | | | | 0 / 1 | 610 | 305 |

**TABLE 2-109**
**SEDIMENT DATA SUMMARY - STATION WW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene sv | | | | | | 0 / 1 | 610 | 305 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 610 | 305 |
| Hexachloroethane | | | | | | 0 / 1 | 610 | 305 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 610 | 305 |
| Isophorone | | | | | | 0 / 1 | 610 | 305 |
| Naphthalene sv | | | | | | 0 / 1 | 610 | 305 |
| Nitrobenzene | | | | | | 0 / 1 | 610 | 305 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 610 | 305 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 610 | 305 |
| Pentachlorophenol | | | | | | 0 / 1 | 1500 | 750 |
| Phenanthrene | | | | | | 0 / 1 | 610 | 305 |
| Phenol | | | | | | 0 / 1 | 610 | 305 |
| Pyrene | 480 | J | 480 | J | SD-WW-06-TR | 1 / 1 | 610 | 480 |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 5 | 2.5 |
| 4,4'-DDE | 2.1 | J | 2.1 | J | SD-WW-06-TR | 1 / 1 | 5 | 2.1 |
| 4,4'-DDT | | | | | | 0 / 1 | 5 | 2.5 |
| Aldrin | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-Chlordane | | | | | | 0 / 1 | 2.5 | 1.3 |
| Aroclor 1016 | | | | | | 0 / 1 | 50 | 25 |
| Aroclor 1221 | | | | | | 0 / 1 | 99 | 50 |
| Aroclor 1232 | | | | | | 0 / 1 | 50 | 25 |
| Aroclor 1242 | | | | | | 0 / 1 | 50 | 25 |
| Aroclor 1248 | | | | | | 0 / 1 | 50 | 25 |
| Aroclor 1254 | | | | | | 0 / 1 | 50 | 25 |
| Aroclor 1260 | | | | | | 0 / 1 | 50 | 25 |
| beta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| delta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| Dieldrin | | | | | | 0 / 1 | 5 | 2.5 |
| Endosulfan I | | | | | | 0 / 1 | 2.5 | 1.3 |
| Endosulfan II | | | | | | 0 / 1 | 5 | 2.5 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 5 | 2.5 |
| Endrin | | | | | | 0 / 1 | 5 | 2.5 |
| Endrin Aldehyde | | | | | | 0 / 1 | 5 | 2.5 |
| Endrin Ketone | | | | | | 0 / 1 | 5 | 2.5 |
| gamma-BHC (Lindane) | | | | | | 0 / 1 | 2.5 | 1.3 |
| gamma-Chlordane | | | | | | 0 / 1 | 2.5 | 1.3 |
| Heptachlor | | | | | | 0 / 1 | 2.5 | 1.3 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 2.5 | 1.3 |
| Methoxychlor | | | | | | 0 / 1 | 25 | 13 |
| Toxaphene | | | | | | 0 / 1 | 250 | 125 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6160 | | 13800 | | SD-WW-12 | 14 / 14 | 9.14 | 10426 |
| Antimony | 57.3 | J | 57.3 | J | SD-WW-06-TR | 1 / 2 | 0.74 - 2 | 29 |
| Arsenic | 4.4 | J | 54.6 | J | SD-WW-09 | 14 / 14 | 1 | 41 |
| Barium | 124 | | 3420 | | SD-WW-11 | 14 / 14 | 0.4 | 444 |
| Beryllium | 0.77 | J | 0.885 | | SD-WW-01 | 3 / 14 | 0.02 - 0.65 | 0.31 |
| Cadmium | 2.8 | J | 9.6 | J | SD-WW-02 | 13 / 14 | 0.048 - 0.6 | 4.0 |
| Calcium | 4220 | | 16200 | | SD-WW-06-TR | 14 / 14 | 2.14 | 10790 |
| Chromium | 3670 | J | 24600 | J | SD-WW-08 | 14 / 14 | 1 | 12365 |
| Cobalt | 6.4 | | 21 | | SD-WW-09 | 14 / 14 | 0.36 | 12 |
| Copper | 178 | | 598 | | SD-WW-02 | 14 / 14 | 0.44 | 349 |
| Iron | 6740 | | 20000 | | SD-WW-03 | 14 / 14 | 1.4 | 11956 |
| Lead | 147 | J | 495 | J | SD-WW-07 | 14 / 14 | 0.6 | 301 |
| Magnesium | 1200 | | 2540 | | SD-WW-12 | 14 / 14 | 15.18 | 2053 |
| Manganese | 95.4 | | 803 | | SD-WW-03 | 14 / 14 | 0.24 | 329 |
| Mercury | 0.46 | | 1.8 | | SD-WW-01 | 13 / 14 | 0.09 - 0.24 | 1.0 |

**TABLE 2-109**
**SEDIMENT DATA SUMMARY - STATION WW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Nickel | 18.9 | | 28.9 | | SD-WW-08 | 14 / 14 | 0.8 | 23 |
| Potassium | 235 | | 484 | | SD-WW-10 | 14 / 14 | 4.38 | 362 |
| Selenium | 3.2 | J | 5.95 | J | SD-WW-01 | 12 / 14 | 1 - 5 | 4.3 |
| Silver | | | | | | 0 / 14 | 0.35 - 1.2 | 0.36 |
| Sodium | 1400 | | 2350 | | SD-WW-08 | 13 / 14 | 98.04 - 579 | 1634 |
| Thallium | 0.86 | J | 2.7 | J | SD-WW-08 | 10 / 14 | 0.65 - 3 | 1.2 |
| Vanadium | 39.8 | | 103 | | SD-WW-04 | 14 / 14 | 0.64 | 68 |
| Zinc | 888 | J | 1890 | | SD-WW-08 | 14 / 14 | 1.7 | 1210 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Cadmium | 3.2 | | 3.2 | | SD-WW-06-TR | 1 / 1 | N/A | 3.2 |
| Copper | 83 | | 83 | | SD-WW-06-TR | 1 / 1 | N/A | 83 |
| Lead | 237 | | 237 | | SD-WW-06-TR | 1 / 1 | N/A | 237 |
| Mercury | 1.6 | J | 1.6 | J | SD-WW-06-TR | 1 / 1 | N/A | 1.6 |
| Nickel | 14 | | 14 | | SD-WW-06-TR | 1 / 1 | N/A | 14 |
| SEM/AVS Ratio | 24 | | 24 | | SD-WW-06-TR | 1 / 1 | N/A | 24 |
| Sulfide | 21 | | 21 | | SD-WW-06-TR | 1 / 1 | N/A | 21 |
| Zinc | 906 | | 906 | | SD-WW-06-TR | 1 / 1 | N/A | 906 |
| Wet Parameters - mg/Kg | | | | | | | | |
| pH | 6.03 | | 6.03 | | SD-WW-08 | 1 / 1 | 0 | 6.0 |
| Redox Potential | 341 | | 341 | | SD-WW-08 | 1 / 1 | N/A | 341 |
| Sulfide | 180 | J | 180 | J | SD-WW-08 | 1 / 1 | 0.018 | 180 |
| Total Organic Carbon (mg/Kg) | 760000 | J | 760000 | J | SD-WW-06-TR | 1 / 1 | 250 | 760000 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-110
## SEDIMENT DATA SUMMARY - NON-REFERENCE LOCATIONS
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/Kg | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | 0 / 26 | 4 - 225 | 12 |
| 1,1,1-Trichloroethane | 59 | J | 110 | J | SD-TT-30-01-TR | 3 / 100 | 11 - 343 | 34 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 87 | 9 - 114 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha | 37.5 | J | 37.5 | J | SD-UF-02-TR | 1 / 5 | 22 - 92 | 21 |
| 1,1,2-Trichloroethane | | | | | | 0 / 87 | 9 - 114 | 15 |
| 1,1-Dichloroethane | 3 | J | 3 | J | SD-18-01-FW | 1 / 87 | 11 - 343 | 32 |
| 1,1-Dichloroethene | | | | | | 0 / 87 | 11 - 343 | 32 |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 2 | 22 - 35 | 14 |
| 1,2-Dibromo-3-chloropropane | | | | | | 0 / 2 | 22 - 35 | 14 |
| 1,2-Dibromoethane | | | | | | 0 / 2 | 22 - 35 | 14 |
| 1,2-Dichlorobenzene | | | | | | 0 / 2 | 22 - 35 | 14 |
| 1,2-Dichloroethane | | | | | | 0 / 87 | 11 - 343 | 32 |
| 1,2-Dichloroethene(total) | 9 | J | 59 | | SD-18-01-FW | 8 / 65 | 11 - 29 | 10 |
| 1,2-Dichloropropane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| 1,3-Dichlorobenzene | | | | | | 0 / 2 | 22 - 35 | 14 |
| 1,4-Dichlorobenzene | | | | | | 0 / 2 | 22 - 35 | 14 |
| 2-Butanone | 9 | J | 290 | J | SD-19-01-FW | 22 / 71 | 11 - 50 | 34 |
| 2-Hexanone | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| 4-Methyl-2-pentanone | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Acetone | 58 | J | 7300 | J | SD-TT-30-01-TR | 22 / 81 | 10 - 430 | 317 |
| Benzene | 6 | J | 22 | J | SD-21-01-ME | 8 / 87 | 4 - 225 | 10 |
| Bromodichloromethane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Bromoform | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Bromomethane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Carbon Disulfide | 18 | J | 29 | J | SD-10-02-TR | 3 / 63 | 11 - 35 | 9.2 |
| Carbon Tetrachloride | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Chlorobenzene | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Chloroethane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Chloroform | | | | | | 0 / 87 | 9 - 224 | 16 |
| Chloromethane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| cis-1,2-Dichloroethene | 7 | J | 562 | J | SD-20-01-ME | 18 / 28 | 9 - 225 | 78 |
| cis-1,3-Dichloropropene | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Cyclohexane | | | | | | 0 / 2 | 22 - 35 | 14 |
| Dibromochloromethane | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Dichlorodifluoromethane | | | | | | 0 / 2 | 22 - 35 | 14 |
| Ethylbenzene | 5 | J | 9 | J | SD-06-03-ME | 4 / 87 | 4 - 46 | 10 |
| Isopropylbenzene | | | | | | 0 / 2 | 22 - 35 | 14 |
| Methyl Acetate | 35 | J | 530 | J | SD-TT-30-01-TR | 4 / 6 | 22 - 92 | 147 |
| Methyl tert-Butyl Ether | | | | | | 0 / 2 | 22 - 35 | 14 |
| Methylcyclohexane | | | | | | 0 / 2 | 22 - 35 | 14 |
| Methylene chloride | 28 | J | 100 | J | SD-22-03-FW | 2 / 101 | 11 - 343 | 38 |
| Naphthalene | 17 | J | 208.25 | J | SD-21-01-ME | 3 / 26 | 28 - 343 | 93 |
| Styrene | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Tetrachloroethene | 41 | J | 3164 | | SD-22-02-ME | 5 / 90 | 11 - 790 | 82 |
| Toluene | 3 | J | 22 | J | SD-TT-30-01-TR | 3 / 63 | 11 - 50 | 9.0 |
| trans-1,2-Dichloroethene | 387 | | 387 | | SD-11-01-ME | 1 / 28 | 22 - 343 | 93 |
| trans-1,3-Dichloropropene | | | | | | 0 / 61 | 11 - 35 | 8.7 |
| Trichloroethene | 6 | J | 2025 | J | SD-20-01-ME | 18 / 91 | 9 - 114 | 51 |
| Trichlorofluoromethane | | | | | | 0 / 2 | 22 - 35 | 14 |
| Vinyl chloride | 2 | J | 255 | J | SD-11-01-ME | 2 / 87 | 11 - 343 | 34 |
| Xylene, m/p- | 10 | J | 25 | J | SD-06-03-ME | 2 / 28 | 9 - 114 | 28 |
| Xylene, o- | | | | | | 0 / 28 | 9 - 114 | 28 |
| Xylenes (total) | | | | | | 0 / 59 | 11 - 29 | 8.5 |

**TABLE 2-110**
**SEDIMENT DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,1'-Biphenyl | | | | | | 0 / 13 | 130 - 720 | 217 |
| 1,2,4-Trichlorobenzene sv | | | | | | 0 / 59 | 370 - 2900 | 371 |
| 1,2-Dichlorobenzene | | | | | | 0 / 59 | 370 - 2900 | 371 |
| 1,3-Dichlorobenzene | | | | | | 0 / 59 | 370 - 2900 | 371 |
| 1,4-Dichlorobenzene | | | | | | 0 / 59 | 370 - 2900 | 371 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 72 | 330 - 7300 | 853 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2,4-Dichlorophenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2,4-Dimethylphenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2,4-Dinitrophenol | | | | | | 0 / 72 | 330 - 7300 | 853 |
| 2,4-Dinitrotoluene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2,6-Dinitrotoluene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2-Chloronaphthalene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2-Chlorophenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2-Methylnaphthalene | 10 | J | 220 | J | SD-09-06-FW | 28 / 98 | 1 - 2900 | 254 |
| 2-Methylphenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 2-Nitroaniline | | | | | | 0 / 72 | 330 - 7300 | 853 |
| 2-Nitrophenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 3+4-Methylphenols | | | | | | 0 / 5 | 280 - 630 | 231 |
| 3-Nitroaniline | | | | | | 0 / 72 | 130 - 7300 | 801 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 72 | 330 - 7300 | 853 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 4-Chloroaniline | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 4-Chlorophenyl-phenyl ether | | | | | | 0 / 72 | 130 - 2900 | 343 |
| 4-Methylphenol | | | | | | 0 / 59 | 370 - 2900 | 371 |
| 4-Nitroaniline | | | | | | 0 / 72 | 330 - 7300 | 853 |
| 4-Nitrophenol | | | | | | 0 / 72 | 330 - 7300 | 853 |
| Acenaphthene | 3 | J | 520 | | SD-09-06-FW | 39 / 99 | 1 - 2900 | 237 |
| Acenaphthylene | 1 | J | 480 | J | SD-07-10-FW | 38 / 98 | 1 - 2900 | 245 |
| Acetophenone | | | | | | 0 / 13 | 130 - 720 | 217 |
| Anthracene | 18 | J | 1300 | J | SD-06-03-FW | 55 / 99 | 67 - 2300 | 309 |
| Atrazine | | | | | | 0 / 13 | 130 - 720 | 217 |
| Benzaldehyde | | | | | | 0 / 13 | 130 - 720 | 217 |
| Benzo(a)anthracene | 40 | J | 9600 | | SD-07-10-ME | 85 / 109 | 67 - 890 | 1033 |
| Benzo(a)pyrene | 33 | J | 10000 | | SD-07-10-ME | 84 / 106 | 67 - 2100 | 1093 |
| Benzo(b)fluoranthene | 45 | J | 16000 | J | SD-07-10-ME | 95 / 116 | 67 - 870 | 1642 |
| Benzo(g,h,i)perylene | 44 | J | 5300 | | SD-07-10-ME | 62 / 103 | 10 - 2300 | 636 |
| Benzo(k)fluoranthene | 45 | J | 14000 | J | SD-07-05-FW | 84 / 109 | 67 - 2300 | 1200 |
| bis(2-Chloroethoxy)methane | | | | | | 0 / 72 | 130 - 2900 | 343 |
| bis(2-Chloroethyl)ether | | | | | | 0 / 72 | 130 - 2900 | 343 |
| bis(2-Ethylhexyl)phthalate | 64 | J | 13000 | J | SD-07-05-FW | 49 / 89 | 130 - 3300 | 1211 |
| Butylbenzylphthalate | 130 | J | 620 | J | SD-07-05-FW | 9 / 74 | 130 - 2900 | 312 |
| Caprolactam | | | | | | 0 / 13 | 130 - 720 | 217 |
| Carbazole | 63 | J | 680 | J | SD-07-09-FW | 19 / 74 | 130 - 2900 | 304 |
| Chrysene | 40 | J | 10000 | | SD-07-10-ME | 88 / 110 | 67 - 890 | 1307 |
| Dibenz(a,h)anthracene | 44 | J | 2000 | | SD-07-10-ME | 42 / 100 | 2 - 2900 | 331 |
| Dibenzofuran | 56 | J | 500 | | SD-09-06-FW | 8 / 72 | 130 - 2900 | 319 |
| Diethylphthalate | 240 | J | 240 | J | SD-07-04-FW | 1 / 72 | 130 - 2900 | 341 |
| Dimethylphthalate | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Di-n-butylphthalate | | | | | | 0 / 72 | 130 - 2900 | 353 |
| Di-n-octylphthalate | 140 | J | 430 | J | SD-07-05-FW | 3 / 73 | 130 - 2900 | 333 |
| Fluoranthene | 42 | J | 23000 | | SD-07-10-ME | 102 / 116 | 67 - 890 | 2258 |

**TABLE 2-110**
**SEDIMENT DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Fluorene | 14 | J | 810 | | SD-09-06-FW | 46 / 99 | 1 - 2300 | 265 |
| Hexachlorobenzene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Hexachlorobutadiene sv | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Hexachlorocyclopentadiene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Hexachloroethane | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Indeno(1,2,3-cd)pyrene | 21 | J | 6900 | | SD-07-10-ME | 69 / 106 | 67 - 2300 | 678 |
| Isophorone | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Naphthalene | 12 | J | 2500 | J | SD-21-02-FW | 36 / 99 | 1 - 2900 | 282 |
| Nitrobenzene | | | | | | 0 / 72 | 130 - 2900 | 343 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 72 | 130 - 2900 | 343 |
| N-nitrosodiphenylamine | 58 | J | 560 | J | SD-10-01-FW | 7 / 75 | 130 - 2900 | 345 |
| Pentachlorophenol | | | | | | 0 / 72 | 330 - 7300 | 853 |
| Phenanthrene | 62 | J | 12000 | | SD-07-10-ME | 81 / 106 | 67 - 890 | 1155 |
| Phenol | | | | | | 0 / 72 | 130 - 2900 | 343 |
| Pyrene | 52 | J | 15000 | | SD-07-10-ME | 100 / 114 | 67 - 870 | 1837 |
| | | | | | | | | |
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 2,4'-DDT | | | | | | 0 / 25 | 0.31 - 3.9 | 0.77 |
| 4,4'-DDD | 0.46 | J | 310 | | SD-13-03-ME | 74 / 111 | 0.31 - 43 | 27 |
| 4,4'-DDE | 0.089 | J | 160 | J | SD-10-01-ME | 91 / 115 | 0.31 - 43 | 20 |
| 4,4'-DDT | 0.29 | J | 47 | | SD-07-10-FW | 62 / 104 | 0.31 - 49 | 6.7 |
| Aldrin | 0.12 | J | 18 | J | SD-10-01-ME | 23 / 96 | 0.15 - 25 | 1.9 |
| alpha-BHC | 0.11 | J | 2.7 | J | SD-07-02-FW | 14 / 98 | 0.15 - 25 | 1.6 |
| alpha-Chlordane | 0.28 | J | 93 | | SD-13-03-ME | 71 / 111 | 0.15 - 22 | 12 |
| Aroclor 1016 | | | | | | 0 / 103 | 2.6 - 490 | 41 |
| Aroclor 1221 | | | | | | 0 / 103 | 5.2 - 990 | 71 |
| Aroclor 1232 | | | | | | 0 / 103 | 2.6 - 490 | 41 |
| Aroclor 1242 | | | | | | 0 / 103 | 2.6 - 490 | 41 |
| Aroclor 1248 | 8.1 | J | 560 | J | SD-10-01-ME | 26 / 103 | 2.6 - 490 | 68 |
| Aroclor 1254 | 45 | | 2600 | | SD-JY-07 | 10 / 103 | 2.6 - 490 | 118 |
| Aroclor 1260 | 11 | | 2400 | | SD-JY-07 | 38 / 105 | 2.6 - 490 | 155 |
| Aroclor 1262 | | | | | | 0 / 10 | 190 - 440 | 122 |
| Aroclor 1268 | | | | | | 0 / 10 | 190 - 440 | 122 |
| beta-BHC | 0.1 | J | 6.6 | | SD-07-07-FW | 19 / 101 | 0.15 - 25 | 1.9 |
| delta-BHC | 0.08 | J | 25 | J | SD-06-03-ME | 21 / 95 | 0.15 - 25 | 2.5 |
| Dieldrin | 0.19 | J | 20 | J | SD-14-03-FW | 54 / 103 | 0.31 - 49 | 3.6 |
| Endosulfan I | 0.11 | J | 68 | J | SD-21-01-FW | 23 / 105 | 0.15 - 25 | 4.2 |
| Endosulfan II | 0.21 | J | 8.4 | J | SD-07-09-FW | 23 / 96 | 0.31 - 49 | 3.3 |
| Endosulfan Sulfate | 0.33 | J | 3.9 | J | SD-07-04-FW | 9 / 94 | 0.31 - 49 | 3.4 |
| Endrin | 0.087 | J | 17 | J | SD-06-03-ME | 43 / 101 | 0.31 - 49 | 4.1 |
| Endrin Aldehyde | 0.47 | J | 27 | J | SD-07-02-ME | 34 / 97 | 0.31 - 49 | 4.3 |
| Endrin Ketone | 1.8 | J | 2.9 | J | SD-08-02-FW | 4 / 93 | 0.31 - 49 | 3.4 |
| gamma-BHC (Lindane) | 0.23 | J | 1.4 | J | SD-07-02-FW | 4 / 93 | 0.15 - 25 | 1.7 |
| gamma-Chlordane | 0.12 | J | 650 | J | SD-13-03-ME | 66 / 108 | 0.15 - 25 | 14 |
| Heptachlor | 0.067 | J | 1.6 | J | SD-07-06-FW | 12 / 93 | 0.15 - 25 | 1.6 |
| Heptachlor Epoxide | 0.17 | J | 4.9 | J | SD-22-01-FW | 21 / 96 | 0.15 - 25 | 1.8 |
| Methoxychlor | 6.3 | J | 12 | J | SD-07-10-FW | 3 / 93 | 1.5 - 250 | 17 |
| Toxaphene | | | | | | 0 / 93 | 15 - 2500 | 176 |
| | | | | | | | | |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1865 | | 34400 | J | SD-13-02-FW | 327 / 327 | 3.1012 - 370 | 10496 |
| Antimony | 0.325 | J | 329 | J | SD-TT-22-01 | 190 / 289 | 0.067 - 103 | 6.8 |
| Arsenic | 2.4 | | 4550 | | SD-12-03-ME | 324 / 325 | 0.22 - 406 | 245 |
| Barium | 6 | | 3420 | | SD-WW-11 | 325 / 327 | 0.018 - 35.9 | 90 |
| Beryllium | 0.12 | | 2.9 | | SD-19-01-ME | 269 / 323 | 0.016 - 4.75 | 0.68 |
| Cadmium | 0.045 | | 37.7 | | SD-01-06-FW | 293 / 326 | 0.0048 - 22.7 | 6.3 |
| Calcium | 493 | | 30500 | J | SD-22-03-FW | 327 / 327 | 1.6 - 677 | 6375 |
| Chromium | 3.3 | J | 24600 | J | SD-WW-08 | 327 / 327 | 0.055 - 63.7 | 1016 |
| Cobalt | 0.79 | | 130 | J | SD-CB-03-06 | 327 / 327 | 0.3101 - 100 | 15 |
| Copper | 4.2 | J | 3760 | J | SD-TT-30-03 | 327 / 327 | 0.082 - 45 | 364 |

**TABLE 2-110**
**SEDIMENT DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.26 | J | 12.1 | J | SD-WS-08 | 57 / 122 | 0.0942 - 2 | 1.0 |
| Iron | 2310 | J | 258000 | | SD-19-01-TR | 327 / 327 | 0.57 - 2406 | 26809 |
| Lead | 1.9 | J | 41000 | J | SD-TT-22-01 | 327 / 327 | 0.1861 - 75 | 512 |
| Magnesium | 184 | J | 12900 | | SD-LM-01 | 327 / 327 | 0.82 - 855 | 2480 |
| Manganese | 34.4 | J | 3060 | | SD-UM-02 | 327 / 327 | 0.018 - 12.7 | 471 |
| Mercury | 0.05 | J | 89.2 | J | SD-TT-30-03 | 285 / 316 | 0.0037 - 100 | 2.1 |
| Nickel | 0.59 | J | 177 | | SD-CB-04-03 | 323 / 327 | 0.15 - 63 | 22 |
| Potassium | 84 | J | 4390 | | SD-LM-01 | 304 / 325 | 2.7 - 4930 | 621 |
| Selenium | 0.53 | J | 30.3 | | SD-12-03-ME | 220 / 323 | 0.052 - 498 | 3.0 |
| Silver | 0.18 | J | 11.5 | | SD-CB-04-02 | 96 / 290 | 0.0094 - 41.7 | 0.54 |
| Sodium | 30.85 | J | 8880 | J | SD-CB-03-06 | 259 / 315 | 0.22 - 733 | 773 |
| Thallium | 0.2225 | J | 18.1 | J | SD-BW-03 | 141 / 300 | 0.038 - 400 | 1.2 |
| Vanadium | 4.2 | | 180 | | SD-UM-02 | 327 / 327 | 0.073 - 87 | 45 |
| Zinc | 15.2 | | 8750 | | SD-CB-04-03 | 322 / 327 | 0.16 - 634 | 1250 |
| AVS-SEM - mg/Kg | | | | | | | | |
| Arsenic | 3.7 | J | 339 | J | SD-10-02-ME | 21 / 26 | 3.745 | 73 |
| Cadmium | 0.21 | J | 78 | | SD-12-03-TR | 83 / 124 | 0.1 - 11.2 | 6.8 |
| Copper | 4.0 | J | 2270 | J | SD-13-01-FW | 89 / 124 | 1.79 - 138 | 189 |
| Lead | 6.9 | | 4227 | J | SD-22-02-ME | 123 / 124 | 2.5 - 34 | 322 |
| Mercury | 0.010 | | 1.9 | J | SD-18-02-TR | 34 / 113 | 0.003 - 10.03 | 0.77 |
| Nickel | 0.80 | | 334 | J | SD-19-02-FW | 68 / 124 | 1.32 - 340 | 38 |
| SEM/AVS Ratio | 0 | | 468 | | SD-22-02-ME | 124 / 124 | 32.2 - 45.7 | 11 |
| Sulfide | 2.6 | | 26964 | | SD-11-02-FW | 121 / 124 | 1 - 2.5359 | 1450 |
| Zinc | 24 | J | 11800 | | SD-11-01-FW | 124 / 124 | 1.7 - 8.5 | 1174 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 21 | 1.29 - 19.649 | 4.4 |
| pH | 5.15 | | 7.04 | | SD-LM-01 | 32 / 32 | 0 | 6.2 |
| Redox Potential | -79 | | 374 | | SD-CB-02-09 | 32 / 32 | N/A | 78 |
| Sulfide | 29.6 | J | 2840 | J | SD-AO-02 | 32 / 32 | 0.018 - 55.6 | 584 |
| Total Combustible Organics (mg/Kg) | 1390 | | 912000 | J | SD-12-01-ME | 77 / 80 | 117 - 2000 | 195505 |
| Total Organic Carbon (mg/Kg) | 602 | | 815000 | J | SD-WH-07-TR | 104 / 110 | 114 - 18500 | 127765 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-111
## SEDIMENT DATA HITS TABLE - STATION 01
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-01-01-FW | SD-01-02-FW | SD-01-03-FW | SD-01-04-FW | SD-01-05-FW | SD-01-06-FW | SD-01-06-ME | SD-01-07-FW | SD-01-07-ME |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 2-Butanone | 11 UJ | 12 J | 11 UJ | 20 J | 12 UJ | 26 UJ | NA | 14 UJ | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | 62 J | NA | 58 J |
| Trichloroethene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 37 J | 14 UJ | 76 UJ |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 20 J | 480 U | 20 J |
| Acenaphthene | 370 U | 380 U | 65 J | 420 U | 400 U | 870 UJ | 33 J | 480 U | 32 J |
| Acenaphthylene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 33 J | 480 U | 37 J |
| Anthracene | 43 J | 380 U | 120 J | 27 J | 400 U | 150 J | 92 | 480 U | 100 |
| Benzo(a)anthracene | 120 J | 380 U | 250 J | 90 J | 400 U | 650 J | 1000 | 100 J | 1100 |
| Benzo(a)pyrene | 93 J | 380 U | 210 J | 89 J | 400 U | 850 J | 930 | 130 J | 920 |
| Benzo(b)fluoranthene | 98 J | 380 U | 170 J | 90 J | 400 U | 1100 J | 1400 | 150 J | 1600 |
| Benzo(g,h,i)perylene | 370 U | 380 U | 120 J | 420 U | 400 U | 1000 J | 480 | 140 J | 510 |
| Benzo(k)fluoranthene | 100 J | 380 U | 210 J | 94 J | 400 U | 840 J | 730 | 160 J | 690 |
| Carbazole | 370 U | 380 U | 74 J | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Chrysene | 160 J | 380 U | 290 J | 130 J | 400 U | 1100 J | 880 | 150 J | 980 |
| Dibenz(a,h)anthracene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 120 | 480 U | 110 |
| Fluoranthene | 300 J | 110 J | 550 J | 240 J | 400 U | 1500 J | 2100 | 210 J | 2200 |
| Fluorene | 370 U | 380 U | 54 J | 420 U | 400 U | 870 UJ | 89 | 480 U | 89 |
| Indeno(1,2,3-cd)pyrene | 370 U | 380 U | 120 J | 420 U | 400 U | 880 J | 580 | 130 J | 640 |
| Naphthalene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 24 J | 480 U | 23 J |
| Phenanthrene | 290 J | 100 J | 500 J | 200 J | 400 U | 590 J | 840 | 74 J | 900 |
| Pyrene | 290 J | 130 J | 580 J | 250 J | 400 U | 1400 J | 1900 | 260 J | 1900 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 16 J | 4.8 U | 18 J |
| 4,4'-DDE | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 24 | 4.8 U | 28 |
| 4,4'-DDT | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 2.5 J | 4.8 U | 3.2 J |
| Aldrin | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.21 J |
| alpha-BHC | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.17 J |
| alpha-Chlordane | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 9.3 J | 2.5 U | 10 J |
| Aroclor 1248 | 190 U | 38 U | 38 U | 42 U | 40 U | 430 U | 46 J | 48 U | 70 J |
| Aroclor 1260 | 190 U | 38 U | 38 U | 42 U | 40 U | 430 U | 47 | 48 U | 69 J |
| delta-BHC | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.19 J | 2.5 U | 0.16 U |
| Dieldrin | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.5 J | 4.8 U | 0.61 J |
| Endosulfan II | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.41 | 4.8 U | 0.66 |
| Endosulfan sulfate | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.67 J | 4.8 U | 0.78 J |
| Endrin | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 1.2 J | 4.8 U | 1.8 J |
| Endrin aldehyde | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 3.4 J | 4.8 U | 3.2 J |
| gamma-Chlordane | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 6.4 J | 2.5 U | 6.8 J |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 2970 | 3000 | 3750 | 3290 | 3340 | 19000 | 12200 J | 6770 | 13200 J |
| Antimony | 0.55 J | 0.5 UJ | 0.93999 J | 0.48 UJ | 0.44 UJ | 2.2 J | 1.7 J | 0.53 J | 1.8 J |
| Arsenic | 3.1 | 2.4 | 5 | 3 | 6.2 | 171 | 78.1 | 63.3 | 111 |
| Barium | 9.5 | 8.1 | 10.8 | 10.7 | 12.6 | 53.1 | 85.8 | 29.6 | 95.1 |
| Beryllium | 0.12 U | 0.075 U | 0.21 U | 0.059 U | 0.08599 U | 1 | 0.87 J | 0.3 U | 0.98 J |
| Cadmium | 0.046 U | 0.045 | 0.18 | 0.092 | 0.089 | 37.7 | 6.8 | 3.9 | 8.5 |
| Calcium | 972 | 1040 | 1230 | 1050 | 840 | 3510 | 5420 | 1810 | 7510 |
| Chromium | 7.2 | 7.5 | 9.3 | 7.1 | 9.8 | 95.9 | 148 J | 18.3 | 192 J |
| Cobalt | 2.8 | 2.9 | 4.6 | 3.2 | 3.8 | 38.9 | 27.9 J | 14.8 | 33.1 J |
| Copper | 6.7 | 5.8 | 8.6 | 8.1 | 15 | 1250 | 305 | 155 | 436 |
| Iron | 5050 | 4960 | 6800 | 4830 | 7490 | 20000 | 31800 J | 13200 | 32500 J |
| Lead | 9 J | 7.9 J | 12.2 J | 10.4 J | 39.9 J | 384 J | 413 J | 122 J | 477 J |
| Magnesium | 1310 | 1620 | 1940 | 1460 | 1320 | 3520 | 3480 | 2030 | 3430 |
| Manganese | 72.3 | 68.9 | 90.9 | 74.9 | 103 | 327 | 479 | 123 | 595 |
| Mercury | 0.022 UJ | 0.025 UJ | 0.018 U | 0.028 U | 0.023 U | 0.63 | 1 | 0.095 U | 1.1 |
| Nickel | 4.9 | 5.1 | 7.2 | 5.2 | 7 | 24.7 | 40.4 J | 10.4 | 41.3 J |
| Potassium | 380 J | 396 J | 436 J | 449 J | 351 J | 937 J | 1190 J | 1030 J | 1170 J |
| Selenium | 0.68 UJ | 0.62 UJ | 0.43 UJ | 0.59 UJ | 0.55 UJ | 2.2 UJ | 5.1 J | 0.66 UJ | 1.4 J |
| Silver | 0.34 U | 0.31 U | 0.51 | 0.3 U | 0.28 U | 0.7 U | 0.75 J | 0.33 U | 0.66 J |
| Sodium | 59.2 U | 53.7 U | 37.4 U | 51.6 U | 47.8 U | 1080 | 583 | 165 | 611 |
| Thallium | 0.8 U | 0.72 U | 0.54 | 0.68999 U | 0.64 U | 2.9 | 0.63 UJ | 1 | 0.43 UJ |
| Vanadium | 9.4 | 7.8 | 11.6 | 8.5 | 10.1 | 34.6 | 56.4 | 15.8 | 55.3 |
| Zinc | 46.1 | 53.9 | 82.9 | 81.4 | 127 | 7380 | 2080 J | 1470 | 2370 J |

**TABLE 2-111**
**SEDIMENT DATA HITS TABLE - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-01-FW | SD-01-02-FW | SD-01-03-FW | SD-01-04-FW | SD-01-05-FW | SD-01-06-FW | SD-01-06-ME | SD-01-07-FW | SD-01-07-ME |
|---|---|---|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | 4.494 J | NA | 8.239 J |
| Cadmium | 0.74 | 0.2 U | 0.14 UJ | 0.28 U | 0.21 U | 33.6 | 8.96 UJ | 3.8 | 10.08 J |
| Copper | 2.7 U | 4.4 U | 9 U | 14.6 U | 33.7 U | 635 J | 3.175 UJ | 84.2 U | 5.08 J |
| Lead | 8 | 6.9 | 11.8 | 33.1 | 31 | 372 | 387.464 J | 56 | 441.336 J |
| Mercury | 0.003 U | 0.003 U | 0.02 | 0.14 | 0.04 | 0.01 U | 10.03 U | 0.004 U | 10.03 U |
| Nickel | 1.5 U | 4 U | 24.2 U | 53.9 U | 52 U | 88.4 U | 50.4734 J | 5.7 U | 13.4987 J |
| SEM/AVS Ratio | 0.27 | 3.3 | 0.92 | 2.0 | 0.12 | 0.5 | 0.41 | 0.54 | 0.4 |
| Sulfide | 70.62 J | 9.309 J | 39.162 J | 27.927 J | 526.44 J | 7094.1 J | 2311.2 | 1325.73 J | 2564.79 |
| Zinc | 36.3 | 59.5 | 69.7 | 104 | 118 | 6430 | 1746.35 J | 1440 | 1930.87 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 114 U | 2100 | 114 U | 17000 | 116 U | 65700 | NA | 9100 | NA |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | 230000 J | NA | 152000 J |

**TABLE 2-111**
**SEDIMENT DATA HITS TABLE - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-08-FW | SD-01-09-FW | SD-01-10-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| 2-Butanone | 12 UJ | 13 UJ | 14 UJ |
| cis-1,2-Dichloroethene | NA | NA | NA |
| Trichloroethene | 12 UJ | 13 UJ | 14 UJ |
| SVOCs (ug/Kg) | | | |
| 2-Methylnaphthalene | 390 U | 420 U | 480 U |
| Acenaphthene | 390 U | 420 U | 480 U |
| Acenaphthylene | 390 U | 420 U | 480 U |
| Anthracene | 390 U | 420 U | 480 U |
| Benzo(a)anthracene | 390 U | 420 U | 190 J |
| Benzo(a)pyrene | 390 U | 420 U | 280 J |
| Benzo(b)fluoranthene | 390 U | 420 U | 350 J |
| Benzo(g,h,i)perylene | 390 U | 420 U | 310 J |
| Benzo(k)fluoranthene | 390 U | 420 U | 290 J |
| Carbazole | 390 U | 420 U | 480 U |
| Chrysene | 390 U | 420 U | 340 J |
| Dibenz(a,h)anthracene | 390 U | 420 U | 480 U |
| Fluoranthene | 390 U | 420 U | 390 J |
| Fluorene | 390 U | 420 U | 480 U |
| Indeno(1,2,3-cd)pyrene | 390 U | 420 U | 270 J |
| Naphthalene | 390 U | 420 U | 480 U |
| Phenanthrene | 390 U | 420 U | 170 J |
| Pyrene | 390 U | 420 U | 550 J |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 3.9 U | 4.2 U | 4.8 U |
| 4,4'-DDE | 3.9 U | 4.2 U | 7.9 J |
| 4,4'-DDT | 3.9 U | 4.2 U | 4.8 U |
| Aldrin | 2 U | 2.2 U | 2.5 U |
| alpha-BHC | 2 U | 2.2 U | 2.5 U |
| alpha-Chlordane | 2 U | 2.2 U | 2.5 U |
| Aroclor 1248 | 39 U | 42 U | 48 U |
| Aroclor 1260 | 39 U | 42 U | 48 U |
| delta-BHC | 2 U | 2.2 U | 2.5 U |
| Dieldrin | 3.9 U | 4.2 U | 4.8 U |
| Endosulfan II | 3.9 U | 4.2 U | 4.8 U |
| Endosulfan sulfate | 3.9 U | 4.2 U | 4.8 U |
| Endrin | 3.9 U | 4.2 U | 4.8 U |
| Endrin aldehyde | 3.9 U | 4.2 U | 4.8 U |
| gamma-Chlordane | 2 U | 2.2 U | 2.5 U |
| Metals (mg/Kg) | | | |
| Aluminum | 4040 | 3240 | 5860 |
| Antimony | 0.49 UJ | 0.48 UJ | 0.63 UJ |
| Arsenic | 4.2 | 5.5 | 14 |
| Barium | 9.6 | 8.8 | 31 |
| Beryllium | 0.076 U | 0.078 U | 0.13 U |
| Cadmium | 0.041 U | 0.25 | 2.8 |
| Calcium | 493 | 514 | 1160 |
| Chromium | 7 | 6.9 | 15 |
| Cobalt | 2.8 | 2.6 | 8.5 |
| Copper | 16.6 | 28.4 | 102 |
| Iron | 5660 | 3830 | 9220 |
| Lead | 14.6 J | 19.1 J | 33.5 J |
| Magnesium | 1360 | 913 | 2430 |
| Manganese | 60.4 | 48.5 | 116 |
| Mercury | 0.015 UJ | 0.024 U | 0.2 |
| Nickel | 6.4 | 4.8 | 8.1 |
| Potassium | 288 J | 224 J | 1160 J |
| Selenium | 0.61 UJ | 0.6 UJ | 0.79 UJ |
| Silver | 0.3 U | 0.3 U | 0.39 U |
| Sodium | 52.7 U | 51.6 U | 68.2 U |
| Thallium | 0.71 U | 0.68999 U | 0.92 U |
| Vanadium | 7.3 | 6.5 | 16.3 |
| Zinc | 153 | 158 | 7670 |

**TABLE 2-111**
**SEDIMENT DATA HITS TABLE - STATION 01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-08-FW | SD-01-09-FW | SD-01-10-FW |
|---|---|---|---|
| AVS-SEM (mg/Kg) | | | |
| Arsenic | NA | NA | NA |
| Cadmium | 1.8 | 0.44 U | 5.8 |
| Copper | 9.6 U | 14.3 U | 93.9 U |
| Lead | 14.9 | 19.6 | 55.2 |
| Mercury | 0.01 | 0.004 U | 0.004 U |
| Nickel | 1.8 U | 2.2 U | 4 U |
| SEM/AVS Ratio | 3.8 | 3.7 | 0.71 |
| Sulfide | 12.84 J | 19.26 J | 940.53 J |
| Zinc | 92.8 | 139 | 1340 |
| TOC/TCO (mg/Kg) | | | |
| Total Organic Carbon | 830 | 2410 | 11000 |
| Total Combustible Organics | NA | NA | NA |

**TABLE 2-112**
**SEDIMENT DATA HITS TABLE - STATION 02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-02-01-FW | SD-02-01-ME | SD-02-02-FW | SD-02-02-ME | SD-02-03-FW |
|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | |
| 2-Butanone | 9 J | NA | 12 U | NA | 12 U |
| SVOCs (ug/Kg) | | | | | |
| 2-Methylnaphthalene | 410 U | 12 J | 410 U | 20 J | 410 U |
| Acenaphthene | 410 U | 11 J | 410 U | 30 J | 410 U |
| Acenaphthylene | 410 U | 22 J | 410 U | 57 J | 410 U |
| Anthracene | 75 J | 62 J | 410 U | 140 | 410 U |
| Benzo(a)anthracene | 168 J | 590 | 410 U | 1500 | 410 U |
| Benzo(a)pyrene | 190 J | 620 | 410 U | 1400 | 410 U |
| Benzo(b)fluoranthene | 180 J | 720 | 410 U | 1700 | 410 U |
| Benzo(g,h,i)perylene | 155 J | 330 | 410 U | 640 | 410 U |
| Benzo(k)fluoranthene | 160 J | 340 | 410 U | 710 | 410 U |
| Chrysene | 275 J | 660 | 410 U | 1400 | 410 U |
| Dibenz(a,h)anthracene | 410 U | 69 J | 410 U | 150 | 410 U |
| Fluoranthene | 315 J | 1200 | 410 U | 3000 | 410 U |
| Fluorene | 410 U | 44 J | 410 U | 97 | 410 U |
| Indeno(1,2,3-cd)pyrene | 130.5 J | 420 | 410 U | 860 | 410 U |
| Naphthalene | 410 U | 13 J | 410 U | 24 J | 410 U |
| Phenanthrene | 210 J | 390 | 410 U | 970 | 410 U |
| Pyrene | 420 J | 1100 | 410 U | 2500 | 410 U |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDD | 3.875 J | 20 J | 4.1 U | 25 J | 4.1 U |
| 4,4'-DDE | 10.35 J | 26 J | 4.1 U | 30 | 4.1 U |
| 4,4'-DDT | 4.1 U | 1.8 J | 4.1 U | 2.4 J | 4.1 U |
| alpha-Chlordane | 2.1 U | 11 J | 2.1 U | 16 | 2.1 U |
| Aroclor 1248 | 41 U | 160 J | 41 U | 180 J | 41 U |
| Aroclor 1260 | 41 U | 140 | 41 U | 170 | 41 U |
| delta-BHC | 2.1 U | 1.3 J | 2.1 U | 0.16 U | 2.1 U |
| Dieldrin | 4.1 U | 0.45 J | 4.1 U | 0.47 | 4.1 U |
| Endosulfan II | 4.1 U | 0.21 J | 4.1 U | 0.28 | 4.1 U |
| Endosulfan sulfate | 4.1 U | 0.47 J | 4.1 U | 0.33 U | 4.1 U |
| Endrin | 4.1 U | 1.3 J | 4.1 U | 1.9 | 4.1 U |
| Endrin aldehyde | 4.1 U | 1.6 J | 4.1 U | 1.9 J | 4.1 U |
| gamma-Chlordane | 2.1 U | 8 J | 2.1 U | 11 J | 2.1 U |
| Metals (mg/Kg) | | | | | |
| Aluminum | 5750 | 6570 J | 5170 | 11200 J | 3220 |
| Antimony | 0.325 J | 1.9 J | 0.42 UJ | 2.1 J | 0.68 J |
| Arsenic | 8.95 | 56.4 | 3.6 | 105 | 7.6 |
| Barium | 34.2 | 50.6 | 25.2 | 81.2 | 14 |
| Beryllium | 0.14 U | 0.47 J | 0.11 U | 0.91 J | 0.067 U |
| Cadmium | .52 | 3.8 | 0.035 U | 16.1 | 0.23 |
| Calcium | 1435 | 2610 | 1300 | 4600 | 739 |
| Chromium | 18.45 | 103 J | 7.5 | 190 J | 19.8 |
| Cobalt | 7.3 | 17 J | 5.2 | 33 J | 4 |
| Copper | 29.75 | 128 | 10.3 | 381 | 11.7 |
| Iron | 8975 | 16900 J | 8290 | 26000 J | 5200 |
| Lead | 365.5 J | 225 J | 5.7 J | 449 J | 15.7 J |
| Magnesium | 2445 | 2150 | 2650 | 2510 | 1560 |
| Manganese | 116.5 | 206 | 92 | 390 | 70.4 |
| Mercury | .063 | 0.37 | 0.021 U | 1.1 | 0.031 U |
| Nickel | 8.35 | 21.5 J | 6.2 | 31 J | 6.9 |
| Potassium | 550.5 J | 640 J | 862 J | 784 J | 390 J |
| Selenium | 0.43 UJ | 1.6 J | 0.53 UJ | 2 J | 0.67 UJ |
| Silver | 0.22 U | 0.4 J | 0.26 U | 0.91 J | 0.33 U |
| Sodium | 37.4 U | 197 | 45.7 U | 382 | 57.7 U |
| Thallium | 0.469995 J | 0.53 UJ | 0.82 | 0.48 UJ | 0.78 U |
| Vanadium | 16.5 | 32.2 | 15.3 | 46.1 | 9.7 |
| Zinc | 245.5 | 992 J | 34.8 | 5170 J | 93.9 |

**TABLE 2-112**
**SEDIMENT DATA HITS TABLE - STATION 02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-02-01-FW | SD-02-01-ME | SD-02-02-FW | SD-02-02-ME | SD-02-03-FW |
|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | |
| Arsenic | NA | 3.745 U | NA | 3.745 J | NA |
| Cadmium | .89 | 5.6 U | 0.1 U | 16.8 J | 0.43 U |
| Lead | 233 | 171.976 J | 7.4 | 389.536 J | 20.1 |
| Mercury | 0.004 U | 10.03 U | 0.003 U | 10.03 U | 0.02 |
| Nickel | 2.3 U | 8.2166 J | 26.6 U | 28.7581 J | 38.4 U |
| SEM/AVS Ratio | 16.95 | 0.35 | 0.69 | 0.3 | 0.091 |
| Sulfide | 84.744 J | 1113.87 | 19.902 J | 4140.9 | 593.85 J |
| Zinc | 293 | 738.08 J | 25.8 | 2418.53 J | 104 |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | 6525 | NA | 9420 | NA | 2690 |
| Total Combustible Organics | NA | 125000 J | NA | 160000 J | NA |

**TABLE 2-113**
**SEDIMENT DATA HITS TABLE - STATION 03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-03-01-FW | SD-03-02-FW | SD-03-02-ME | SD-03-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 2-Butanone | 12 U | 70 | NA | 12 U |
| Benzene | 12 U | 24 U | 9 J | 12 U |
| cis-1,2-Dichloroethene | NA | NA | 28 J | NA |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 390 U | 800 U | 16 J | 400 U |
| Acenaphthene | 390 U | 800 U | 45 J | 400 U |
| Acenaphthylene | 390 U | 800 U | 39 J | 400 U |
| Anthracene | 390 U | 81 J | 120 | 400 U |
| Benzo(a)anthracene | 390 U | 320 J | 1300 | 400 U |
| Benzo(a)pyrene | 390 U | 420 J | 1000 | 400 U |
| Benzo(b)fluoranthene | 390 U | 800 U | 1400 | 400 U |
| Benzo(g,h,i)perylene | 390 U | 350 J | 570 | 400 U |
| Benzo(k)fluoranthene | 390 U | 800 U | 640 | 400 U |
| Chrysene | 390 U | 590 J | 1300 | 400 U |
| Dibenz(a,h)anthracene | 390 U | 800 U | 110 | 400 U |
| Fluoranthene | 390 U | 740 J | 2600 | 400 U |
| Fluorene | 390 U | 800 U | 150 | 400 U |
| Indeno(1,2,3-cd)pyrene | 390 U | 330 J | 620 | 400 U |
| Naphthalene | 390 U | 800 U | 18 J | 400 U |
| Phenanthrene | 390 U | 370 J | 1000 | 400 U |
| Pyrene | 390 U | 880 J | 2600 | 400 U |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 3.9 U | 21 | 94 | 4 U |
| 4,4'-DDE | 3.9 U | 18 J | 29 | 4 U |
| 4,4'-DDT | 3.9 U | 8 U | 5.8 J | 4 U |
| alpha-Chlordane | 2 U | 5.2 J | 11 J | 2.1 U |
| Aroclor 1248 | 39 U | 80 U | 160 J | 40 U |
| Aroclor 1260 | 39 U | 80 U | 110 | 40 U |
| delta-BHC | 2 U | 4.1 U | 2.3 J | 2.1 U |
| Endrin aldehyde | 3.9 U | 8.7 J | 3.2 U | 4 U |
| gamma-Chlordane | 2 U | 4.1 U | 9.3 J | 2.1 U |
| Metals (mg/Kg) | | | | |
| Aluminum | 3540 | 6050 | 6720 J | 2730 |
| Antimony | 0.41 J | 1.3 J | 1.7 J | 0.55 UJ |
| Arsenic | 5.4 | 39.6 | 86.5 | 7.1 |
| Barium | 11.4 | 31.8 | 84.6 | 9 |
| Beryllium | 0.15 U | 0.42 | 0.59 J | 0.12 U |
| Cadmium | 0.028 U | 3.3 | 5.2 | 0.045 U |
| Calcium | 1620 | 3900 | 4410 | 1380 |
| Chromium | 9.9 | 79.7 | 200 J | 9.6 |
| Cobalt | 4 | 15.9 | 21.4 J | 4.1 |
| Copper | 7.5 | 117 | 171 | 6.4 |
| Iron | 5370 | 12300 | 21900 J | 4450 |
| Lead | 10.1 | 128 | 345 J | 17.8 |
| Magnesium | 1720 | 1740 | 1790 | 1330 |
| Manganese | 69.1 | 294 | 503 | 70.6 |
| Mercury | 0.06 J | 0.26 J | 0.71 | 0.04 UJ |
| Nickel | 5.4 | 12.1 | 26.7 J | 4.9 |
| Potassium | 519 J | 630 J | 604 J | 530 J |
| Selenium | 0.43 U | 2 U | 4.2 J | 0.68 U |
| Silver | 0.21 U | 0.54 U | 0.69 J | 0.38 UJ |
| Sodium | 37 U | 279 | 321 | 59.1 U |
| Vanadium | 9.6 | 19.9 | 49.2 | 7.9 |
| Zinc | 90.6 | 1330 | 1420 J | 60.4 |

**TABLE 2-113**
**SEDIMENT DATA HITS TABLE - STATION 03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-03-01-FW | SD-03-02-FW | SD-03-02-ME | SD-03-03-FW |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | 0.3 U | 4.4 | 8.96 UJ | 0.24 U |
| Lead | 17.1 | 117 | 350.168 J | 11.8 |
| Mercury | 0.02 | 0.01 U | 10.03 U | 0.003 U |
| Nickel | 67.4 U | 7.7 U | 57.5162 J | 7.2 U |
| SEM/AVS Ratio | 0.40 | 0.38 | 0.32 | 0.61 |
| Sulfide | 117.486 J | 2003.04 J | 2824.8 | 55.854 J |
| Zinc | 90.9 | 1500 | 1647.5 J | 65.9 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 1170 | 55000 | NA | 602 |
| Total Combustible Organics | NA | NA | 195000 J | NA |

# TABLE 2-114
## SEDIMENT DATA HITS TABLE - STATION 04
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-04-01-FW | SD-04-02-FW | SD-04-02-ME | SD-04-03-FW | SD-04-03-ME | SD-AO-01 | SD-AO-02 | SD-AO-03 | SD-AO-03-TR |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 2-Butanone | 15 UJ | 23 UJ | NA | 82 J | NA | NA | NA | NA | 99 J |
| Acetone | 64 U | 48 U | NA | 340 UJ | NA | NA | NA | NA | 340 J |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | 140 J |
| Toluene | 15 UJ | 23 UJ | NA | 26 UJ | NA | NA | NA | NA | 17 J |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 510 U | 750 U | 41 J | 870 UJ | 70 | NA | NA | NA | 350 U |
| Acenaphthene | 510 U | 140 J | 110 J | 340 J | 170 J | NA | NA | NA | 350 U |
| Acenaphthylene | 510 U | 750 U | 170 | 350 J | 160 | NA | NA | NA | 350 U |
| Anthracene | 180 J | 560 J | 420 | 960 J | 640 | NA | NA | NA | 350 U |
| Benzo(a)anthracene | 610 J | 2000 J | 3100 | 3900 J | 3200 | NA | NA | NA | 240 J |
| Benzo(a)pyrene | 600 J | 2000 J | 4100 | 4200 J | 3500 | NA | NA | NA | 290 J |
| Benzo(b)fluoranthene | 600 J | 1800 J | 5100 | 4800 J | 6000 | NA | NA | NA | 520 |
| Benzo(g,h,i)perylene | 460 J | 1200 J | 1900 | 2300 J | 2100 | NA | NA | NA | 350 U |
| Benzo(k)fluoranthene | 490 J | 1900 J | 2100 | 3500 J | 3800 | NA | NA | NA | 350 UJ |
| bis(2-Ethylhexyl)phthalate | 510 U | 750 U | NA | 930 UJ | NA | NA | NA | NA | 230 J |
| Carbazole | 510 U | 130 J | NA | 400 J | NA | NA | NA | NA | 350 U |
| Chrysene | 750 J | 2700 J | 3700 | 5900 J | 3800 | NA | NA | NA | 290 J |
| Dibenz(a,h)anthracene | 150 J | 490 J | 720 | 1100 J | 890 | NA | NA | NA | 350 U |
| Dibenzofuran | 510 U | 750 U | NA | 170 J | NA | NA | NA | NA | 350 U |
| Fluoranthene | 1400 J | 4200 J | 8300 | 7100 J | 8500 | NA | NA | NA | 540 |
| Fluorene | 510 U | 180 J | 290 | 470 J | 490 | NA | NA | NA | 350 U |
| Indeno(1,2,3-cd)pyrene | 380 J | 1100 J | 2600 | 2100 J | 2500 | NA | NA | NA | 350 U |
| Naphthalene | 510 U | 750 U | 56 J | 160 J | 96 J | NA | NA | NA | 350 U |
| Phenanthrene | 700 J | 2100 J | 3200 | 4600 J | 3400 | NA | NA | NA | 200 J |
| Pyrene | 1400 J | 3800 J | 6700 | 7000 J | 6000 | NA | NA | NA | 500 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 25 U | 37 U | 160 | 140 J | 37 J | NA | NA | NA | 2.8 U |
| 4,4'-DDE | 25 U | 37 U | 91 | 56 J | 20 J | NA | NA | NA | 2.4 J |
| 4,4'-DDT | 25 U | 37 U | 21 J | R | 4.4 J | NA | NA | NA | 2.8 U |
| Aldrin | 13 U | 19 U | 1.9 U | R | 0.3 J | NA | NA | NA | 1.4 U |
| alpha-Chlordane | 13 U | 19 U | 21 | R | 29 J | NA | NA | NA | 1.4 U |
| Aroclor 1248 | 250 U | 370 U | 200 J | R | 44 J | NA | NA | NA | 28 U |
| Aroclor 1260 | 250 U | 370 U | 94 | R | 160 | NA | NA | NA | 28 U |
| delta-BHC | 13 U | 19 U | 1.9 U | R | 1.3 J | NA | NA | NA | 1.4 U |
| Dieldrin | 25 U | 37 U | 3.9 U | R | 0.73 J | NA | NA | NA | 2.8 U |
| Endosulfan II | 25 U | 37 U | 3.9 U | R | 0.49 | NA | NA | NA | 2.8 U |
| Endosulfan sulfate | 25 U | 37 U | 3.9 U | R | 0.33 J | NA | NA | NA | 2.8 U |
| Endrin | 25 U | 37 U | 5 J | R | 3.2 J | NA | NA | NA | 2.8 U |
| Endrin aldehyde | 25 U | 37 U | 11 J | R | 4.9 J | NA | NA | NA | 2.8 U |
| gamma-Chlordane | 13 U | 19 U | 16 J | R | 22 J | NA | NA | NA | 1.4 U |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 3190 | 5780 | 17700 J | 12800 | 11500 J | 19700 | 20550 | 20300 | 18400 |
| Antimony | 1 J | 0.93 UJ | 11.1 J | 2.6 J | 1.8 J | R | R | R | 5.1 |
| Arsenic | 16.5 | 37.6 | 1570 | 58.7 | 98.6 | 113 | 118.5 | 132 | 128 |
| Barium | 11.6 | 18.6 | 77.3 | 89.8 | 175 | 179 | 187 | 184 | 189 |
| Beryllium | 0.2 U | 0.4 | 1.7 J | 0.71 | 0.86 J | 1 | 1.1 | 1.1 | 1.1 J |
| Cadmium | 0.8 | 6.1 | 19.1 | 4.1 | 7.4 | 9.7 | 11.45 | 10.9 | 10 |
| Calcium | 1560 | 1300 | 5900 | 3730 | 6310 | 7490 | 7570 | 7710 | 9840 |
| Chromium | 27 | 59.5 | 3000 J | 148 | 240 J | 338 | 364.5 | 353 | 317 |
| Cobalt | 6.8 | 11.3 | 42.7 J | 22 | 21.6 J | 25.1 | 26.6 | 28.8 | 26.6 J |
| Copper | 54.8 | 204 | 1080 | 208 | 323 | 426 | 469 | 448 | 403 |
| Cyanide | 0.67 U | 1.2 U | NA | 1.6 U | NA | 1.4 | 1.5 | 1.8 | NA |
| Iron | 7060 | 6650 | 86200 J | 20400 | 31600 J | 42600 J | 44000 J | 46200 J | 43400 |
| Lead | 75.7 | 166 | 425 J | 465 | 487 J | 545 | 633 | 662 | 553 |
| Magnesium | 1200 | 1170 | 1400 | 3490 | 3470 | 6240 | 6495 | 6250 | 5830 |
| Manganese | 85.4 | 51.9 | 803 | 247 | 1010 | 979 | 855 | 1280 | 1210 |
| Mercury | 0.06 J | 0.77 J | 13.6 | 0.96 J | 1.7 | 1.3 J | 1.45 J | 1.5 J | 0.29 J |
| Nickel | 5.8 | 6.4 | 41.2 J | 17.9 | 33.6 J | 41.4 | 45.6 | 45.8 | 36.4 |
| Potassium | 257 UJ | 369 UJ | 476 J | 974 J | 1120 J | 1620 | 1695 | 1630 | 1840 J |
| Selenium | 1.2 UJ | 1.4 UJ | 1.8 J | 2.7 U | 2 J | 2.5 | 2.7 J | 1.6 J | 0.99 U |
| Silver | 0.38 U | 0.58 U | 0.59 J | 0.64 U | 0.91 J | 0.38 J | 0.565 J | 0.5 J | 0.99 U |
| Sodium | 103 | 837 | 330 | 213 | 347 | 617 J | 703.5 J | 672 J | 732 |
| Thallium | 0.88 U | 1.4 U | 0.44 UJ | 1.6 | 0.43 UJ | 0.6 J | 0.715 J | 0.67 J | 1.1 U |
| Vanadium | 13.5 | 12.3 | 63.8 | 40.6 | 55.7 | 71.8 J | 76.4 J | 80.8 J | 65.7 |
| Zinc | 415 | 1930 | 4330 J | 1290 | 1590 J | 1960 | 2285 | 2180 | 1860 J |

**TABLE 2-114**
**SEDIMENT DATA HITS TABLE - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-04-01-FW | SD-04-02-FW | SD-04-02-ME | SD-04-03-FW | SD-04-03-ME | SD-AO-01 | SD-AO-02 | SD-AO-03 | SD-AO-03-TR |
|---|---|---|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | 6.741 J | NA | 5.992 J | NA | NA | NA | NA |
| Cadmium | 2.1 | 7.5 | 8.96 UJ | 6 | 6.72 UJ | NA | NA | NA | 6.3616 |
| Copper | 54.5 U | 200 J | 3.175 UJ | 40.5 U | 3.175 UJ | NA | NA | NA | 209.191225 |
| Lead | 167 | 163 | 406.112 J | 466 | 331.52 J | NA | NA | NA | 347.8888 |
| Mercury | 0.01 U | 0.01 U | 10.03 U | 0.01 U | 10.03 U | NA | NA | NA | 0.11033 J |
| Nickel | 48 U | 101 J | 14.0856 J | 99.3 J | 19.9546 J | NA | NA | NA | 16.7530605 |
| SEM/AVS Ratio | 0.3 | 0.32 | 0.99 | 0.55 | 0.91 | NA | NA | NA | 179.35 |
| Sulfide | 1206.96 J | 4076.7 J | 754.35 | 1383.51 J | 600.27 | NA | NA | NA | 4.09275 J |
| Zinc | 689 | 2310 | 1383.9 J | 1290 | 995.09 J | NA | NA | NA | 1049.137 J |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | 6.23 | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | -45 | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | 2840 J | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 21500 | 54400 | 193000 J | 93400 | 255000 J | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | 210000 |

**TABLE 2-114**
**SEDIMENT DATA HITS TABLE - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AO-04 | SD-AO-05 |
|---|---|---|
| VOCs (ug/Kg) | | |
| 2-Butanone | NA | NA |
| Acetone | NA | NA |
| Methyl Acetate | NA | NA |
| Toluene | NA | NA |
| SVOCs (ug/Kg) | | |
| 2-Methylnaphthalene | NA | NA |
| Acenaphthene | NA | NA |
| Acenaphthylene | NA | NA |
| Anthracene | NA | NA |
| Benzo(a)anthracene | NA | NA |
| Benzo(a)pyrene | NA | NA |
| Benzo(b)fluoranthene | NA | NA |
| Benzo(g,h,i)perylene | NA | NA |
| Benzo(k)fluoranthene | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA |
| Carbazole | NA | NA |
| Chrysene | NA | NA |
| Dibenz(a,h)anthracene | NA | NA |
| Dibenzofuran | NA | NA |
| Fluoranthene | NA | NA |
| Fluorene | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA |
| Naphthalene | NA | NA |
| Phenanthrene | NA | NA |
| Pyrene | NA | NA |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | NA | NA |
| 4,4'-DDE | NA | NA |
| 4,4'-DDT | NA | NA |
| Aldrin | NA | NA |
| alpha-Chlordane | NA | NA |
| Aroclor 1248 | NA | NA |
| Aroclor 1260 | NA | NA |
| delta-BHC | NA | NA |
| Dieldrin | NA | NA |
| Endosulfan II | NA | NA |
| Endosulfan sulfate | NA | NA |
| Endrin | NA | NA |
| Endrin aldehyde | NA | NA |
| gamma-Chlordane | NA | NA |
| Metals (mg/Kg) | | |
| Aluminum | 19800 | 21100 |
| Antimony | R | R |
| Arsenic | 129 | 156 |
| Barium | 187 | 215 |
| Beryllium | 1.1 | 1.2 |
| Cadmium | 10.2 | 12.1 |
| Calcium | 6960 | 9300 |
| Chromium | 347 | 366 |
| Cobalt | 25 | 35 |
| Copper | 439 | 512 |
| Cyanide | 0.92 | 0.52 J |
| Iron | 45300 J | 48400 J |
| Lead | 564 | 641 |
| Magnesium | 6210 | 6260 |
| Manganese | 1280 | 2370 |
| Mercury | 1.4 J | 1.4 J |
| Nickel | 42 | 46.6 |
| Potassium | 1600 | 1600 |
| Selenium | 2.2 | 3.4 J |
| Silver | 0.4 J | 0.41 UJ |
| Sodium | 633 J | 647 J |
| Thallium | 0.61 J | 0.8 J |
| Vanadium | 74.4 J | 84.1 J |
| Zinc | 2000 | 2580 |

**TABLE 2-114**
**SEDIMENT DATA HITS TABLE - STATION 04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AO-04 | SD-AO-05 |
|---|---|---|
| AVS-SEM (mg/Kg) | | |
| Arsenic | NA | NA |
| Cadmium | NA | NA |
| Copper | NA | NA |
| Lead | NA | NA |
| Mercury | NA | NA |
| Nickel | NA | NA |
| SEM/AVS Ratio | NA | NA |
| Sulfide | NA | NA |
| Zinc | NA | NA |
| Wet Parameters (mg/Kg) | | |
| pH | NA | NA |
| Redox Potential | NA | NA |
| Sulfide | NA | NA |
| TOC/TCO (mg/Kg) | | |
| Total Combustible Organics | NA | NA |
| Total Organic Carbon | NA | NA |

# TABLE 2-115
## SEDIMENT DATA HITS TABLE - STATION 05
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-05-01-FW | SD-05-02-FW | SD-05-03-FW | SD-05-03-ME |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,2-Dichloroethene(total) | 12 UJ | 12 UJ | 9 J | NA |
| 2-Butanone | 12 UJ | 12 UJ | 39 J | NA |
| Benzene | 12 UJ | 12 UJ | 20 UJ | 6 J |
| cis-1,2-Dichloroethene | NA | NA | NA | 7 J |
| Ethylbenzene | 12 UJ | 12 UJ | 20 UJ | 5 J |
| Naphthalene | NA | NA | NA | 17 J |
| Trichloroethene | 12 UJ | 12 UJ | 20 UJ | 6 J |
| Xylene, m/p- | NA | NA | NA | 10 J |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 390 UJ | 410 U | 650 UJ | 55.5 J |
| Acenaphthene | 390 UJ | 410 U | 100 J | 102 J |
| Acenaphthylene | 390 UJ | 410 U | 250 J | 36 J |
| Anthracene | 390 UJ | 410 U | 520 J | 245 |
| Benzo(a)anthracene | 150 J | 130 J | 2300 J | 1015 |
| Benzo(a)pyrene | 170 J | 130 J | 2500 J | 735 |
| Benzo(b)fluoranthene | 390 UJ | 130 J | 3000 J | 735 |
| Benzo(g,h,i)perylene | 120 J | 410 U | 1200 J | 305 |
| Benzo(k)fluoranthene | 390 UJ | 120 J | 1900 J | 446.75 J |
| Carbazole | 390 UJ | 410 U | 220 J | NA |
| Chrysene | 220 J | 160 J | 2900 J | 935 |
| Dibenz(a,h)anthracene | 390 UJ | 410 U | 650 UJ | 112.5 |
| Dibenzofuran | 390 UJ | 410 U | 87 J | NA |
| Fluoranthene | 340 J | 260 J | 4400 J | 2250 |
| Fluorene | 390 UJ | 410 U | 230 J | 225 J |
| Indeno(1,2,3-cd)pyrene | 100 J | 64 J | 1200 J | 355 |
| Naphthalene | 390 UJ | 410 U | 83 J | 34.5 J |
| Phenanthrene | 190 J | 110 J | 2200 J | 1750 J |
| Pyrene | 310 J | 250 J | 4100 J | 2100 |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | R | 21 U | R | 180 |
| 4,4'-DDE | R | 21 U | R | 35.5 |
| 4,4'-DDT | R | 21 U | R | 9.25 J |
| alpha-Chlordane | R | 11 U | R | 13.05 J |
| Aroclor 1248 | R | 210 U | R | 120 J |
| Aroclor 1260 | R | 210 U | R | 74.5 |
| delta-BHC | R | 11 U | R | 3.65 J |
| Dieldrin | R | 21 U | R | 2.925 J |
| gamma-Chlordane | R | 11 U | R | 11.65 J |
| Metals (mg/Kg) | | | | |
| Aluminum | 4770 | 6470 | 4470 | 4580 J |
| Antimony | 0.44 J | 1 J | 1.8 J | 1.37 J |
| Arsenic | 9.8 | 5.1 | 24.8 | 9.85 |
| Barium | 21.3 | 43.2 | 24.4 | 39.3 |
| Beryllium | 0.18 | 0.28 | 0.3 | 0.295 J |
| Cadmium | 0.03 U | 0.043 U | 1.6 | .62 |
| Calcium | 1440 | 1850 | 1480 | 1340 |
| Chromium | 17.1 | 15 | 149 | 68.45 J |
| Cobalt | 5.5 | 7.4 | 16 | 5 J |
| Copper | 21.7 | 10.9 | 80.3 | 43.15 |
| Iron | 14200 | 13400 | 7990 | 9060 J |
| Lead | 103 | 39.3 | 145 | 655 J |
| Magnesium | 2580 | 4440 | 1400 | 1845 |
| Manganese | 222 | 952 | 125 | 97.45 |
| Mercury | 0.04 UJ | 0.05 UJ | 1.2 J | .225 |
| Nickel | 10.7 | 8.6 | 6.8 | 11 J |
| Potassium | 755 J | 634 J | 487 UJ | 535.5 J |
| Silver | 0.23 U | 0.32 U | 0.54 U | 0.455 J |
| Sodium | 39.5 U | 55.9 U | 216 | 94.15 |
| Thallium | 0.85 | 0.97 | 1.3 U | 0.04 UJ |
| Vanadium | 13.7 | 19.4 | 12.5 | 23.55 |
| Zinc | 118 | 111 | 571 | 135 J |

**TABLE 2-115**
**SEDIMENT DATA HITS TABLE - STATION 05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-05-01-FW | SD-05-02-FW | SD-05-03-FW | SD-05-03-ME |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | 0.28 J | 0.21 J | 4.9 | 5.6 U |
| Copper | 11.9 U | 13.3 U | 195 | 15.39875 J |
| Lead | 36.3 | 20.8 | 334 | 202.02 J |
| Nickel | 2.2 U | 34.1 U | 49.8 U | 4.6952 J |
| SEM/AVS Ratio | 5.5 | 3.6 | 0.56 | 0.215 |
| Sulfide | 7.704 J | 12.519 J | 1527.96 J | 642 |
| Zinc | 74.6 | 84.8 | 1460 | 201.654 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 3840 | 1840 | 56000 | 59100 J |

# TABLE 2-116
## SEDIMENT DATA HITS TABLE - STATION 06
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-06-01-FW | SD-06-02-FW | SD-06-03-FW | SD-06-03-ME | SD-06-03-TR | SD-JP-01 |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| 2-Butanone | 62 | 45 | 45 | NA | R | NA |
| Benzene | 22 U | 20 U | 29 U | 17 J | R | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | 38 J | R | NA |
| Ethylbenzene | 22 U | 20 UJ | 29 UJ | 9 J | R | NA |
| Methyl Acetate | NA | NA | NA | NA | 35 J | NA |
| Naphthalene | NA | NA | NA | 70 J | NA | NA |
| Trichloroethene | 22 U | 20 U | 29 U | 52 J | R | NA |
| Xylene, m/p- | NA | NA | NA | 25 J | R | NA |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | 730 U | 650 U | 2900 U | 40 J | 630 U | NA |
| Acenaphthene | 730 U | 650 U | 2900 U | 130 J | 630 U | NA |
| Acenaphthylene | 130 J | 110 J | 2900 U | 120 | 630 U | NA |
| Anthracene | 260 J | 210 J | 1300 J | 550 | 64 J | NA |
| Benzo(a)anthracene | 790 | 640 J | 3000 | 4200 J | 310 J | NA |
| Benzo(a)pyrene | 980 | 800 | 2300 J | 5100 J | 370 J | NA |
| Benzo(b)fluoranthene | 730 U | 960 | 2400 J | 6100 J | 610 J | NA |
| Benzo(g,h,i)perylene | 560 J | 460 J | 1700 J | 1900 J | 150 J | NA |
| Benzo(k)fluoranthene | 730 U | 690 | 2400 J | 1300 J | 160 J | NA |
| bis(2-Ethylhexyl)phthalate | 2800 U | 3000 | 3300 U | NA | 430 J | NA |
| Carbazole | 98 J | 650 UJ | 2900 UJ | NA | 630 U | NA |
| Chrysene | 1200 | 1100 | 3800 | 6900 J | 450 J | NA |
| Dibenz(a,h)anthracene | 730 U | 650 U | 2900 U | 720 J | 630 U | NA |
| Fluoranthene | 1800 | 1600 J | 11000 | 9900 | 780 | NA |
| Fluorene | 110 J | 650 U | 430 J | 400 | 630 U | NA |
| Indeno(1,2,3-cd)pyrene | 500 J | 390 J | 1400 J | 2400 J | 150 J | NA |
| Naphthalene | 730 U | 650 U | 2900 U | 53 J | 630 U | NA |
| Phenanthrene | 830 | 660 J | 6300 | 5200 | 340 J | NA |
| Pyrene | 1600 | 1100 | 6100 | 7500 | 600 J | NA |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 94 J | 92 J | 87 J | 79 | 2.2 | NA |
| 4,4'-DDE | 91 J | 92 J | 100 J | 71 | 2.6 | NA |
| 4,4'-DDT | 32 J | R | 49 U | 15 J | 1.3 U | NA |
| alpha-Chlordane | 31 J | 32 J | 27 J | 80 | 0.63 U | NA |
| Aroclor 1248 | 370 U | R | 490 U | 120 J | 13 U | NA |
| Aroclor 1260 | 370 U | R | 490 U | 82 | 13 U | NA |
| delta-BHC | 19 U | R | 25 U | 25 J | 0.63 U | NA |
| Dieldrin | 37 U | R | 49 U | 5 J | 1.3 U | NA |
| Endrin | 37 U | R | 49 U | 17 J | 1.3 U | NA |
| gamma-Chlordane | 19 U | R | 25 U | 48 J | 0.63 U | NA |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 5560 | 4780 | 10300 | 14300 | 8800 | 15700 |
| Antimony | 1.8 J | 1.2 J | 2.8 J | 2.5 J | 2.7 | 2.7 J |
| Arsenic | 25.1 | 21.8 | 58.1 | 135 | 67.3 | 135 |
| Barium | 30.2 | 28.9 | 66.7 | 130 | 82.6 | 124 |
| Beryllium | 0.32 | 0.28 | 0.58 | 1 | 0.6 J | 0.88 |
| Cadmium | 1.7 | 1.5 | 4 | 7.7 | 5.5 | 9.8 |
| Calcium | 2080 | 1740 | 4020 | 5510 | 3600 | 5850 J |
| Chromium | 196 | 172 | 442 | 403 | 197 | 423 |
| Cobalt | 9.3 | 6 | 13.7 | 20.9 | 13.7 J | 20.8 |
| Copper | 101 | 83.9 | 198 | 389 | 219 | 435 |
| Cyanide | 1 U | 2.2 | 1.5 U | NA | NA | 3 J |
| Iron | 10000 | 9930 | 19700 | 40600 | 20900 | 35300 J |
| Lead | 193 | 361 | 394 | 455 | 354 | 436 |
| Magnesium | 1640 | 1610 | 2970 | 4260 | 2930 | 4840 |
| Manganese | 428 | 296 | 326 | 1630 | 628 | 763 J |
| Mercury | 0.49 J | 0.4 J | 0.79 J | 2.6 | 0.69 J | 3.2 |
| Nickel | 13.8 | 10.7 | 21 | 32.2 | 19.5 | 35.5 J |
| Potassium | 699 J | 551 J | 989 J | 1380 | 837 J | 1190 |
| Selenium | 1.4 UJ | 0.92 UJ | 2.1 U | 3.4 J | 0.99 U | 1.6 J |
| Silver | 0.51 U | 0.39 UJ | 0.57 UJ | 0.18 J | 0.99 U | 0.44 UJ |
| Sodium | 684 | 560 | 755 | 617 U | 214 | 460 |
| Thallium | 1.2 U | 0.89 U | 1.2 | 0.77 U | 1.1 U | 0.92 J |
| Vanadium | 24.5 | 25.9 | 47.6 | 60.2 | 29.9 | 56.3 |
| Zinc | 420 | 384 | 1080 | 1630 | 971 J | 1920 |

**TABLE 2-116**
**SEDIMENT DATA HITS TABLE - STATION 06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-06-01-FW | SD-06-02-FW | SD-06-03-FW | SD-06-03-ME | SD-06-03-TR | SD-JP-01 |
|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | NA | NA | 12.733 J | NA | NA |
| Cadmium | 3.1 | 2.9 | 5.3 | 6.72 | 4.8608 | NA |
| Copper | 158 J | 166 J | 148 J | 5.08 | 155.2829 | NA |
| Lead | 248 | 455 | 417 | 319.088 | 268.65552 | NA |
| Mercury | 0.01 U | 0.01 U | 0.01 U | R | 0.1003 J | NA |
| Nickel | 120 J | 96.1 J | 98.8 J | 22.8891 J | 11.714524 | NA |
| SEM/AVS Ratio | 0.23 | 0.061 | 0.054 | 2.44 | 21.8 | NA |
| Sulfide | 2125.02 J | 8602.8 J | 13321.5 J | 174.624 | 21.186 J | NA |
| Zinc | 606 | 653 | 1070 | 738.08 J | 680.2254 J | NA |
| Wet Parameters (mg/Kg) | | | | | | |
| pH | NA | NA | NA | NA | NA | 6.84 |
| Redox Potential | NA | NA | NA | NA | NA | -56 |
| Sulfide | NA | NA | NA | NA | NA | 356 J |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | 46700 | 41600 | 69900 | 197000 J | NA | NA |

**TABLE 2-117**
**SEDIMENT DATA HITS TABLE - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-01-FW | SD-07-02-FW | SD-07-02-ME | SD-07-03-FW | SD-07-04-FW | SD-07-05-FW | SD-07-05-ME | SD-07-06-FW | SD-07-07-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 2-Butanone | 10.25 J | 24 U | NA | 13 U | 89 | 47 J | NA | 26 U | 28 U |
| cis-1,2-Dichloroethene | NA | NA | 20 J | NA | NA | NA | 18 J | NA | NA |
| Ethylbenzene | 13 U | 24 U | 5 J | 13 U | 27 U | R | 11 UJ | 26 U | 28 U |
| Trichloroethene | 13 U | 24 U | 16 J | 13 U | 27 U | R | 24 J | 26 U | 28 U |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 430 U | 1600 U | 45 J | 120 J | 110 J | R | 44 J | 1700 U | 920 U |
| Acenaphthene | 430 U | 200 J | 220 J | 320 J | 240 J | 340 J | 170 J | 270 J | 110 J |
| Acenaphthylene | 430 U | 1600 U | 140 | 67 J | 320 J | R | 130 | 210 J | 920 U |
| Anthracene | 131 J | 450 J | 740 | 550 | 470 J | 950 J | 880 | 890 J | 270 J |
| Benzo(a)anthracene | 415 J | 2200 | 6000 | 1200 | 2800 | 6400 J | 5200 | 5300 | 2400 |
| Benzo(a)pyrene | 490 J | 2300 | 6000 | 800 | 3200 J | 6300 J | 5700 | 4600 | 2000 |
| Benzo(b)fluoranthene | 555 | 4400 | 8800 J | 1400 | 5800 J | 12000 J | 7800 J | 9400 | 4300 |
| Benzo(g,h,i)perylene | 325 J | 2000 | 3300 | 270 J | 890 UJ | 2300 J | 3400 | 1600 J | 780 J |
| Benzo(k)fluoranthene | 480 J | 4800 | 4100 J | 1600 | 5300 J | 14000 J | 1800 J | 10000 | 4700 |
| bis(2-Ethylhexyl)phthalate | 790 U | 6000 J | NA | 390 J | 6500 J | 13000 J | NA | 8300 | 3500 |
| Butylbenzylphthalate | 430 U | 340 J | NA | 420 U | 280 J | 620 J | NA | 480 J | 160 J |
| Carbazole | 251 J | 290 J | NA | 90 J | 290 J | 580 J | NA | 640 J | 210 J |
| Chrysene | 670 J | 3000 | 6600 | 980 | 4400 | 9800 J | 6000 | 6800 | 3000 |
| Di-n-octylphthalate | 430 U | 1600 U | NA | 420 U | 890 UJ | 430 J | NA | 290 J | 140 J |
| Dibenz(a,h)anthracene | 430 U | 400 J | 1200 J | 82 J | 890 UJ | 480 J | 1400 J | 330 J | 160 J |
| Dibenzofuran | 430 U | 1600 U | NA | 140 J | 140 J | R | NA | 190 J | 920 U |
| Diethylphthalate | 430 U | 1600 U | NA | 420 U | 240 J | R | NA | 1700 U | 920 U |
| Fluoranthene | 1250 J | 4200 | 14000 | 2300 | 6200 | 15000 J | 14000 | 12000 | 5300 |
| Fluorene | 430 U | 360 J | 640 | 430 | 330 J | 530 J | 500 | 390 J | 160 J |
| Indeno(1,2,3-cd)pyrene | 290 J | 1700 | 4200 | 220 J | 890 UJ | 2600 J | 4200 | 1800 | 900 J |
| Naphthalene | 430 U | 1600 U | 61 J | 52 J | 86 J | NA | 57 J | 1700 U | 920 U |
| Phenanthrene | 400 J | 2700 | 8500 | 1700 | 2700 | 4900 J | 4800 | 5400 | 1300 |
| Pyrene | 840 J | 7700 | 9500 | 1800 | 4500 | 12000 J | 9800 | 9000 J | 4100 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 21 U | 42 | 47 | 23 J | 64 J | 48 J | 39 J | 34 | 18 |
| 4,4'-DDE | 21 U | 42 | 19 J | 12 J | 37 J | 55 J | 41 | 32 | 20 |
| 4,4'-DDT | 21 U | 32 | 21 J | 3.8 J | 24 J | 41 J | 18 J | 11 | 15 |
| Aldrin | 11 U | 4.1 U | 1.6 U | 0.5 J | 4.8 J | R | 1.6 U | 5 | 2.8 J |
| alpha-BHC | 11 U | 2.7 J | 1.6 U | 2.2 U | 0.45 J | 2.5 J | 1.6 U | 4.4 U | 0.31 J |
| alpha-Chlordane | 9.25 J | 39 | 49 J | 27 J | 43 J | 45 J | 64 | 32 | 19 |
| Aroclor 1248 | 210 U | 80 U | 37 J | 42 U | 89 U | R | 29 J | 85 U | 91 U |
| Aroclor 1260 | 210 U | 80 U | 95 | 42 U | 89 U | R | 74 | 85 U | 91 U |
| beta-BHC | 11 U | 4.1 U | 1.6 U | 1.5 J | 4.6 U | 3.9 J | 1.6 U | 5.4 | 6.6 |
| delta-BHC | 11 U | 4.2 | 1.6 U | 4.5 J | 4.6 U | 1.8 J | 24 J | 0.33 J | 8.8 |
| Dieldrin | 21 U | 3.9 J | 4.1 J | 0.59 J | 1.8 J | 5.7 J | 3.2 U | 7 J | 2 J |
| Endosulfan II | 21 U | 5.2 J | 3.3 U | 5.4 J | 8.9 U | 3.8 J | 3.2 U | 2.2 J | 1.3 J |
| Endosulfan sulfate | 21 U | 8 UJ | 3.3 U | 4.2 UJ | 3.9 J | 2.1 J | 3.2 U | 8.5 UJ | 9.1 UJ |
| Endrin | 21 U | 8 U | 8.6 J | 3.7 J | 8.9 U | R | 17 J | 8.5 U | 0.6 J |
| Endrin Aldehyde | 21 U | 5.8 J | 27 J | 0.98 J | 8.9 U | R | 3.2 U | 1.9 J | 0.94 J |
| Endrin ketone | 21 U | 2.3 J | 3.3 U | 4.2 U | 8.9 U | R | 3.2 U | 8.5 U | 9.1 U |
| gamma-BHC (Lindane) | 11 U | 1.4 J | 1.6 U | 2.2 U | 4.6 UJ | R | 1.6 U | 1.4 J | 4.7 U |
| gamma-Chlordane | 11 U | 21 | 41 | 21 J | 53 J | 36 J | 38 J | 26 | 14 |
| Heptachlor | 11 U | 0.18 J | 1.6 U | 0.82 J | 4.6 UJ | 0.29 J | 1.6 U | 1.6 J | 0.77 J |
| Heptachlor epoxide | 11 U | 3.3 J | 1.6 U | 2.4 J | 4.6 U | 3.7 J | 1.6 U | 1.9 J | 1.6 J |
| Methoxychlor | 110 U | 6.3 J | 16 U | 22 U | 46 UJ | R | 16 U | 8.8 J | 47 U |

**TABLE 2-117**
**SEDIMENT DATA HITS TABLE - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-01-FW | SD-07-02-FW | SD-07-02-ME | SD-07-03-FW | SD-07-04-FW | SD-07-05-FW | SD-07-05-ME | SD-07-06-FW | SD-07-07-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5160 | 5670 | 13200 | 5610 J | 10700 | 9880 J | 14700 | 11100 J | 5510 J |
| Antimony | 0.935 J | 2.1 J | 2.6 J | 0.72 | 1.2 J | 2.3 | 2.8 J | 2.6 | 1.9 |
| Arsenic | 18.35 | 34.6 | 111 | 10.3 J | 75.5 | 61.5 J | 98.3 | 84.1 J | 27.1 J |
| Barium | 21.35 | 42.9 | 110 | 21.8 | 87.3 | 73.4 | 118 | 83.1 | 32.4 |
| Beryllium | .24 | 0.32 U | 0.95 | 0.23 | 0.68999 | 0.56 | 1 | 0.66 | 0.3 U |
| Cadmium | .645 | 1.8 | 6.3 | 0.46 U | 5 | 5.7 U | 5.8 | 6.1 U | 2 UJ |
| Calcium | 1630 | 1910 | 5310 | 2370 | 4260 | 3950 | 6630 | 4420 | 2650 |
| Chromium | 67.7 | 116 | 291 | 31.9 J | 207 J | 164 J | 277 | 209 J | 79.5 J |
| Cobalt | 7.7 | 6.7 | 19.2 | 6.1 | 16.4 | 13.4 | 21.5 | 15.6 | 8 |
| Copper | 49.4 | 115 | 306 | 23.4 J | 209 | 162 J | 304 | 204 J | 69.7 J |
| Cyanide | 0.57 U | 1.3 U | NA | 0.72 U | 1.2 U | 1.8 | NA | 1.4 | 1.1 U |
| Iron | 9725 | 11500 | 33800 | 9490 J | 22300 | 20900 J | 35400 | 26800 J | 11800 J |
| Lead | 80.7 | 257 | 382 | 41.2 | 480 | 271 | 406 | 329 | 116 |
| Magnesium | 2540 | 1790 | 4180 | 2550 J | 3690 | 3480 J | 5330 | 3730 J | 2500 J |
| Manganese | 108.55 | 192 | 517 | 134 J | 595 J | 397 J | 495 | 516 J | 148 J |
| Mercury | 0.28 J | 2.2 J | 2.3 | 0.11 UJ | 0.93999 J | 0.91 J | 2 | 0.36 J | 0.61 J |
| Nickel | 14.55 | 12.2 | 35.2 | 8.2 | 28.3 | 22.2 | 37.5 | 26.9 | 13.8 |
| Potassium | 702 J | 610 UJ | 1310 | 574 J | 1100 | 1210 J | 1620 | 1180 J | 862 J |
| Selenium | 0.52 UJ | 2 UJ | 2.2 J | 0.49 U | 1.9 | 1.6 U | 2.2 J | 3.2 U | 1.9 UJ |
| Silver | 0.2 U | 0.67 U | 0.86 J | 0.24 U | 1.1 | 0.79 U | 0.91 J | 0.77 U | 0.59 U |
| Sodium | 30.85 J | 115 U | 416 U | 52.2 UJ | 342 | 257 U | 519 U | 342 U | 193 U |
| Thallium | .815 | 1.6 U | 0.81 U | 0.98 | 1.5 | 2.8 | 0.44 U | 3.5 | 1.6 |
| Vanadium | 17.2 | 23.2 | 56.7 | 19.5 | 44.8 | 39.1 | 62.6 | 46.2 | 21.4 |
| Zinc | 297.5 | 558 | 1500 | 106 J | 1200 | 1070 J | 1450 | 1310 J | 455 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | 14.231 J | NA | NA | NA | 7.49 J | NA | NA |
| Cadmium | 1.1 | 6 J | 5.6 U | 0.42 UJ | 5.1 | 8 J | 5.6 | 5 | 1.8 U |
| Copper | 25.6 U | 212 | 12.065 | 18 | 175 J | 262 | 3.175 U | 173 | 44.9 |
| Lead | 74.65 | 652 | 302.512 | 56.6 | 433 J | 496 | 292.152 | 375 | 153 |
| Nickel | 5.6 U | 38.7 J | 27.5843 J | 2.9 U | 82.9 U | 89.2 J | 17.607 J | 50.6 J | 68.1 J |
| SEM/AVS Ratio | 0.22 | 0.56 | 0.84 | 0.18 | 0.27 | 0.083 | 0.38 | 4.0 | 0.11 |
| Sulfide | 741.51 J | 1630.68 J | 654.84 | 391.62 J | 2840.85 | 13482 J | 1592.16 | 208.65 J | 3020.61 J |
| Zinc | 304 | 1400 | 995.09 J | 111 | 1220 J | 1740 | 1126.89 J | 1330 | 520 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 15150 | 93000 | 194000 J | 13800 | 83600 | 88700 | 210000 J | 70100 | 52700 |

**TABLE 2-117**
**SEDIMENT DATA HITS TABLE - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-08-FW | SD-07-09-FW | SD-07-10-FW | SD-07-10-ME |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 2-Butanone | 16 U | 28 U | 26 U | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | 24 J |
| Ethylbenzene | 16 U | 28 U | 26 U | 13 UJ |
| Trichloroethene | 16 U | 28 U | 26 U | 35 J |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 540 U | 2700 U | 130 J | 59 J |
| Acenaphthene | 540 U | 390 J | 130 J | 230 J |
| Acenaphthylene | 96 J | 2700 U | 480 J | 140 |
| Anthracene | 170 J | 1100 J | 370 J | 890 |
| Benzo(a)anthracene | 790 | 6700 | 2900 | 9600 |
| Benzo(a)pyrene | 890 | 5600 | 2700 | 10000 |
| Benzo(b)fluoranthene | 1900 | 11000 | 5200 | 16000 J |
| Benzo(g,h,i)perylene | 580 | 1900 J | 910 | 5300 |
| Benzo(k)fluoranthene | 1900 | 12000 | 5800 | 2300 J |
| bis(2-Ethylhexyl)phthalate | 1200 J | 7800 | 2100 | NA |
| Butylbenzylphthalate | 540 UJ | 430 J | 870 U | NA |
| Carbazole | 83 J | 680 J | 270 J | NA |
| Chrysene | 1100 | 8700 | 3900 | 10000 |
| Di-n-octylphthalate | 540 U | 2700 U | 870 U | NA |
| Dibenz(a,h)anthracene | 120 J | 440 J | 180 J | 2000 |
| Dibenzofuran | 540 U | 2700 U | 96 J | NA |
| Diethylphthalate | 540 U | 2700 U | 870 U | NA |
| Fluoranthene | 1000 | 15000 | 5600 | 23000 |
| Fluorene | 100 J | 600 J | 280 J | 550 |
| Indeno(1,2,3-cd)pyrene | 500 J | 1900 J | 710 J | 6900 |
| Naphthalene | 540 U | 2700 U | 130 J | 72 J |
| Phenanthrene | 800 | 6200 | 2400 | 12000 |
| Pyrene | 1700 J | 11000 | 5100 | 15000 |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 32 | 33 | 76 | 36 |
| 4,4'-DDE | 19 | 31 | 69 | 33 |
| 4,4'-DDT | 9.1 | 45 | 47 | 14 J |
| Aldrin | 0.24 J | 5.7 | 4.5 U | 1.6 U |
| alpha-BHC | 0.46 J | 1.3 J | 4.5 U | 1.6 U |
| alpha-Chlordane | 11 | 29 | 14 | 80 |
| Aroclor 1248 | 54 U | 92 U | 87 U | 67 J |
| Aroclor 1260 | 54 U | 92 U | 87 U | 50 |
| beta-BHC | 4.1 | 5.6 | 2.5 J | 1.6 U |
| delta-BHC | 1.2 J | 4.7 U | 4.5 U | 1.6 U |
| Dieldrin | 0.94 J | 2.5 J | 8.7 U | 3.2 U |
| Endosulfan II | 2.2 J | 8.4 J | 8.7 UJ | 3.2 U |
| Endosulfan sulfate | 5.4 UJ | 9.2 UJ | 8.7 UJ | 3.2 U |
| Endrin | 5.4 U | 1.6 J | 4.2 J | 16 J |
| Endrin Aldehyde | 2.4 J | 4.9 J | 8.7 UJ | 3.2 U |
| Endrin ketone | 2.7 J | 1.8 J | 8.7 U | 3.2 U |
| gamma-BHC (Lindane) | 2.8 U | 4.7 U | 4.5 U | 1.6 U |
| gamma-Chlordane | 9.6 | 20 | 8.8 | 45 J |
| Heptachlor | 2.8 UJ | 4.7 UJ | 0.26 J | 1.6 U |
| Heptachlor epoxide | 0.45 J | 2.4 J | 1 J | 1.6 U |
| Methoxychlor | 28 U | 47 U | 12 J | 16 U |

**TABLE 2-117**
**SEDIMENT DATA HITS TABLE - STATION 07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-08-FW | SD-07-09-FW | SD-07-10-FW | SD-07-10-ME |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 10700 J | 4890 J | 22600 J | 12500 |
| Antimony | 1.9 | 1.4 | 3.1 | 2.4 J |
| Arsenic | 30 J | 32.7 J | 129 J | 87.4 |
| Barium | 48.5 | 36.9 | 107 | 89.8 |
| Beryllium | 0.38 | 0.29 U | 1.3 | 0.86 |
| Cadmium | 2.2 U | 2.5 U | 10.3 | 4.5 |
| Calcium | 2650 | 2220 | 6080 | 5840 |
| Chromium | 174 J | 91.5 J | 442 J | 238 |
| Cobalt | 13.8 | 7.9 | 32.6 | 18.2 |
| Copper | 104 J | 84.9 J | 380 J | 261 |
| Cyanide | 0.54 U | 1.2 U | 1.4 U | NA |
| Iron | 19500 J | 11000 J | 27700 J | 29100 |
| Lead | 167 | 144 | 474 | 326 |
| Magnesium | 5860 J | 1620 J | 4770 J | 4420 |
| Manganese | 201 J | 207 J | 468 J | 397 |
| Mercury | 0.99 J | 0.77 J | 5.7 J | 1.6 |
| Nickel | 24.4 | 11.8 | 27.1 | 31.5 |
| Potassium | 1900 J | 609 J | 1240 J | 1320 |
| Selenium | 0.7 UJ | 0.99 U | 2.1 U | 2.4 J |
| Silver | 0.34 U | 0.49 U | 0.52 U | 0.78 J |
| Sodium | 185 U | 215 U | 404 U | 483 U |
| Thallium | 2.1 | 1.5 | 3.8 | 0.76 U |
| Vanadium | 37.8 | 22.1 | 79.2 | 54.6 |
| Zinc | 506 J | 535 J | 2490 J | 1190 |
| AVS-SEM (mg/Kg) | | | | |
| Arsenic | NA | NA | NA | 12.733 J |
| Cadmium | 1.6 U | 3.9 U | 0.37 UJ | 7.84 |
| Copper | 78.7 | 84.9 | 74.6 | 3.175 U |
| Lead | 174 | 280 | 35.5 | 346.024 |
| Nickel | 12.7 J | 16.8 J | 156 J | 14.6725 J |
| SEM/AVS Ratio | 0.19 | 0.6 | 0.079 | 2.53 |
| Sulfide | 1653.15 J | 930.9 J | 2686.77 J | 167.562 |
| Zinc | 482 | 944 | 171 | 738.08 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 25500 | 82700 | 99000 | 218000 J |

**TABLE 2-118**
**SEDIMENT DATA HITS TABLE - STATION 08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-08-01-FW | SD-08-02-FW | SD-08-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| No Detections | | | |
| SVOCs (ug/Kg) | | | |
| Acenaphthylene | 81 J | 120 J | 400 U |
| Anthracene | 56 J | 120 J | 120 J |
| Benzo(a)anthracene | 290 J | 680 | 480 |
| Benzo(a)pyrene | 450 | 940 | 490 |
| Benzo(b)fluoranthene | 950 | 1900 | 1000 |
| Benzo(g,h,i)perylene | 280 J | 700 | 260 J |
| Benzo(k)fluoranthene | 960 | 2000 | 1100 |
| bis(2-Ethylhexyl)phthalate | 84 J | 150 J | 260 J |
| Carbazole | 420 U | 110 J | 63 J |
| Chrysene | 450 | 1000 | 580 |
| Dibenz(a,h)anthracene | 60 J | 160 J | 60 J |
| Dibenzofuran | 420 U | 56 J | 400 U |
| Fluoranthene | 520 | 1400 | 770 |
| Fluorene | 50 J | 100 J | 68 J |
| Indeno(1,2,3-cd)pyrene | 280 J | 680 | 240 J |
| N-nitrosodiphenylamine | 58 J | 490 U | 400 U |
| Naphthalene | 54 J | 200 J | 41 J |
| Phenanthrene | 280 J | 610 | 540 |
| Pyrene | 640 J | 2000 | 810 J |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 9.8 | 6.7 | 3.3 J |
| 4,4'-DDE | 3.5 J | 4.1 J | 4.2 J |
| 4,4'-DDT | 3 J | 0.87 J | R |
| alpha-BHC | 2.1 U | 0.26 J | R |
| alpha-Chlordane | 2.1 U | 2.5 U | 1.5 J |
| delta-BHC | 2.1 U | 2.5 U | 0.32 J |
| Dieldrin | 4.1 U | 0.19 J | R |
| Endosulfan II | 0.29 J | 1.1 J | R |
| Endrin | 4.1 U | 2.3 J | R |
| Endrin aldehyde | 4.1 UJ | 0.47 J | R |
| Endrin ketone | 4.1 U | 2.9 J | R |
| gamma-Chlordane | 0.25 J | 0.7 J | 1.4 J |
| Heptachlor | 2.1 UJ | 0.13 J | R |
| Heptachlor epoxide | 0.63 J | 1.1 J | 0.45 J |
| Metals (mg/Kg) | | | |
| Aluminum | 4590 J | 5950 J | 5830 J |
| Antimony | 0.75 | 1.6 | 0.74 |
| Arsenic | 10.8 J | 28.9 J | 16.5 J |
| Barium | 15.7 | 21.2 | 19.8 |
| Beryllium | 0.19 U | 0.32 | 0.25 |
| Calcium | 1630 | 2330 | 1910 |
| Chromium | 17.8 J | 119 J | 26.4 J |
| Cobalt | 5.2 | 10.6 | 6.1 |
| Copper | 28.3 J | 133 J | 59.7 J |
| Iron | 7110 J | 23200 J | 9400 J |
| Lead | 20 | 70.7 | 38.8 |
| Magnesium | 1730 J | 2110 J | 2180 J |
| Manganese | 99.5 J | 228 J | 155 J |
| Mercury | 0.11 J | 1 J | 0.26 J |
| Nickel | 7 | 20.2 | 9.4 |
| Potassium | 469 J | 464 J | 476 J |
| Thallium | 1.5 | 1.7 | 1.1 |
| Vanadium | 11.6 | 17.5 | 15.6 |
| Zinc | 171 J | 539 J | 340 J |

**TABLE 2-118**
**SEDIMENT DATA HITS TABLE - STATION 08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-08-01-FW | SD-08-02-FW | SD-08-03-FW |
|---|---|---|---|
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 3.8 | 0.79 U | 1.6 U |
| Copper | 128 | 62.9 | 117 |
| Lead | 294 | 48.2 | 65.9 |
| Mercury | 0.004 U | 0.01 | 0.02 |
| Nickel | 14 J | 6.2 J | 36.9 J |
| SEM/AVS Ratio | 3.5 | 3.1 | 2.4 |
| Sulfide | 158.574 J | 92.769 J | 145.734 J |
| Zinc | 899 | 508 | 539 |
| TOC/TCO (mg/Kg) | | | |
| Total Combustible Organics | 117 U | 17900 | 7560 |

# TABLE 2-119
## SEDIMENT DATA HITS TABLE - STATION 09
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-09-01-FW | SD-09-02-FW | SD-09-03-FW | SD-09-04-FW | SD-09-05-FW | SD-09-06-FW | SD-09-07-FW | SD-09-08-FW | SD-09-09-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| No Detections | | | | | | | | | |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 220 J | 470 U | 390 U | 390 U |
| Acenaphthene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 520 | 470 U | 390 U | 390 U |
| Acenaphthylene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 82 J | 470 U | 390 U | 390 U |
| Anthracene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 930 | 470 U | 390 U | 390 U |
| Benzo(a)anthracene | 120 J | 520 U | 130 J | 410 U | 80 J | 1000 | 130 J | 40 J | 100 J |
| Benzo(a)pyrene | 68 J | 520 U | 100 J | 410 U | 70 J | 1100 | 110 J | 45 J | 85 J |
| Benzo(b)fluoranthene | 220 J | 520 U | 200 J | 410 U | 170 J | 2300 | 270 J | 76 J | 160 J |
| Benzo(g,h,i)perylene | 520 U | 520 U | 44 J | 410 U | 390 UJ | 290 J | 470 U | 390 U | 390 U |
| Benzo(k)fluoranthene | 200 J | 520 U | 150 J | 410 U | 130 J | 2100 | 260 J | 69 J | 140 J |
| bis(2-Ethylhexyl)phthalate | 95 J | 520 U | 64 J | 410 U | 93 J | 110 J | 390 J | 70 J | 390 U |
| Carbazole | 520 U | 520 U | 410 U | 410 U | 390 UJ | 480 | 470 U | 390 U | 390 U |
| Chrysene | 120 J | 520 U | 120 J | 410 U | 94 J | 1400 | 120 J | 48 J | 100 J |
| Dibenz(a,h)anthracene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 80 J | 470 U | 390 U | 390 U |
| Dibenzofuran | 520 U | 520 U | 410 U | 410 U | 390 UJ | 500 | 470 U | 390 U | 390 U |
| Fluoranthene | 250 J | 42 J | 210 J | 410 U | 220 J | 1800 | 260 J | 87 J | 210 J |
| Fluorene | 520 U | 520 U | 45 J | 410 U | 390 UJ | 810 | 470 U | 390 U | 390 U |
| Indeno(1,2,3-cd)pyrene | 520 U | 520 U | 62 J | 410 U | 390 UJ | 370 J | 470 U | 21 J | 47 J |
| Naphthalene | 520 U | 520 U | 410 U | 410 U | 390 UJ | 250 J | 470 U | 390 U | 390 U |
| Phenanthrene | 120 J | 520 U | 140 J | 410 U | 100 J | 1900 | 140 J | 64 J | 69 J |
| Pyrene | 230 J | 52 J | 210 J | 410 U | 160 J | 2200 | 230 J | 83 J | 220 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 19 | 28 | 17 | 0.46 J | 5.4 | 2.3 J | 83 | 1.8 J | 0.93 J |
| 4,4'-DDE | 14 | 27 | 9.8 | 0.089 J | 1.6 J | 1.1 J | 19 | 3.9 U | 0.3 J |
| 4,4'-DDT | 3.7 J | 6.4 | 2.5 J | 0.29 J | 1.6 J | 1.4 J | 19 | 1.1 J | 0.69 J |
| Aldrin | 0.26 J | 2 J | 0.25 J | 2.1 U | 0.49 J | 0.28 J | 0.39 J | 0.19 J | 0.12 J |
| alpha-BHC | 2.7 U | 0.11 J | 2.1 U | 2.1 U | 2 U | 2.1 U | 0.46 J | 2 U | 2 U |
| alpha-Chlordane | 0.84 J | 2.7 U | 0.39 J | 2.1 U | 0.46 J | 0.28 J | 1.9 J | 0.48 J | 2 U |
| beta-BHC | 0.29 J | 2.7 U | 0.1 J | 2.1 U | 2 U | 0.23 J | 0.92 J | 0.17 J | 2 U |
| delta-BHC | 2.7 U | 2.7 U | 2.1 U | 2.1 U | 2 U | 2.1 U | 0.08 J | 2 U | 2 U |
| Dieldrin | 4.3 J | 7 | 2.6 J | 0.41 J | 0.4 J | 1.8 J | 6.2 | 1.1 J | 0.59 J |
| Endosulfan I | 2.7 U | 0.11 J | 2.1 U | 2.1 U | 2 U | 2.1 U | 0.51 J | 2 U | 2 U |
| Endosulfan II | 5.2 U | 5.2 U | 4.1 U | 4.1 U | 0.34 J | 0.24 J | 4.7 U | 3.9 U | 3.9 U |
| Endrin | 0.22 J | 5.2 U | 0.21 J | 4.1 U | 3.9 U | 0.11 J | 1.4 J | 0.11 J | 0.1 J |
| Endrin aldehyde | 5.2 U | 0.9 J | 4.1 U | 4.1 U | 3.9 U | 4 U | 4.7 U | 3.9 U | 3.9 U |
| gamma-Chlordane | 0.84 J | 0.3 J | 0.23 J | 2.1 U | 0.28 J | 0.15 J | 2.4 | 2 U | 2 U |
| Heptachlor | 0.31 J | 0.067 J | 2.1 UJ | 2.1 UJ | 0.34 J | 0.27 J | 0.25 J | 2 UJ | 2 UJ |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 4020 J | 3840 J | 5470 J | 2330 J | 3670 J | 4790 J | 2760 J | 7270 J | 4870 |
| Antimony | 1 | 0.99 | 0.93999 | 0.57 U | 0.64 | 0.74 | 0.9 | 1.3 | 0.51 U |
| Arsenic | 36.6 J | 48.5 J | 22.2 J | 18.1 J | 19.7 J | 27.7 J | 26.4 J | 26.3 J | 26.8 J |
| Barium | 15.2 | 25.5 | 19.5 | 6 | 13.7 | 15.1 | 8.8 | 14 | 18.3 |
| Beryllium | 0.22 | 0.26 U | 0.24 | 0.081 U | 0.14 U | 0.2 | 0.23 | 0.22 | 0.14 |
| Cadmium | 1.5 U | 0.81 U | 0.76 UJ | 0.67 U | 0.5 UJ | 0.78 UJ | 0.9 U | 1 UJ | 0.19 |
| Calcium | 1420 | 2590 | 1430 | 569 | 848 | 1440 | 1110 | 1880 | 1610 J |
| Chromium | 91.8 J | 27.7 J | 43.9 J | 9.3 J | 44.3 J | 47 J | 75.4 J | 52.8 J | 22.1 J |
| Cobalt | 5.2 | 6 | 6.6 | 4.4 | 4.3 | 6.2 | 2.7 | 6 | 4.7 |
| Copper | 102 J | 21 J | 46.1 J | 4.2 J | 50.5 J | 45.4 J | 73.5 J | 64.1 J | 23.5 |
| Iron | 6360 J | 8730 J | 10200 J | 4910 J | 6950 J | 11700 J | 6030 J | 13900 J | 9810 |
| Lead | 86.8 | 14.1 | 24 | 2.4 | 16.7 | 23 | 37.2 | 32.4 | 21.9 J |
| Magnesium | 1310 J | 1450 J | 2400 J | 1080 J | 1690 J | 2170 J | 922 J | 4560 J | 2420 |
| Manganese | 141 J | 66.6 J | 153 J | 64.8 J | 75.6 J | 88 J | 43.2 J | 138 J | 238 J |
| Mercury | 0.19 J | 0.21 J | 0.37 J | 0.06 UJ | 0.53 J | 0.28 J | 0.68 J | 0.24 J | 0.049 U |
| Nickel | 5.7 | 6.2 | 8.1 | 5.9 | 5.9 | 10.5 | 6.3 | 11.3 | 12.5 |
| Potassium | 506 J | 509 J | 814 J | 300 J | 507 J | 672 J | 236 J | 553 J | 532 |
| Selenium | 0.6 U | 2.6 U | 0.68 UJ | 0.72 U | 0.45 U | 0.45 U | 0.61 UJ | 0.64 U | 0.63 U |
| Thallium | 1.1 | 1 U | 1.2 | 0.84 U | 0.68 | 0.83 | 0.52 U | 1.4 | 0.74 U |
| Vanadium | 9.3 | 11.3 | 16.3 | 6.5 | 9 | 11.9 | 7 | 19.3 | 10.1 |
| Zinc | 236 J | 62.4 J | 103 J | 57.1 J | 126 J | 115 J | 141 J | 142 J | 103 J |

**TABLE 2-119**
**SEDIMENT DATA HITS TABLE - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-09-01-FW | SD-09-02-FW | SD-09-03-FW | SD-09-04-FW | SD-09-05-FW | SD-09-06-FW | SD-09-07-FW | SD-09-08-FW | SD-09-09-FW |
|---|---|---|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Cadmium | 0.9 U | 0.13 UJ | 0.23 UJ | 0.34 UJ | 0.28 UJ | 0.17 UJ | 1.3 U | 0.21 UJ | 0.23 UJ |
| Copper | 49.2 | 19.2 | 39.1 | 47.5 | 25.6 | 40.7 | 117 | 48.5 | 29.3 |
| Lead | 36.8 | 17.8 | 21.8 | 27.1 | 13.4 | 23.5 | 59.8 | 26.6 | 11.4 |
| Mercury | 0.01 | 0.004 U | 0.003 U | 0.003 U | 0.01 | 0.01 | 0.02 | 0.003 U | 0.03 |
| Nickel | 45.8 J | 6.4 J | 26.3 J | 6 J | 3.3 U | 2.7 J | 30.9 J | 84.9 J | 2.8 U |
| SEM/AVS Ratio | 1.9 | 2.0 | 0.13 | 0.80 | 0.11 | 0.23 | 4.3 | 4.4 | 0 |
| Sulfide | 82.818 J | 20.223 J | 561.75 J | 95.337 J | 516.81 J | 293.394 J | 43.656 J | 24.717 J | 1.605 U |
| Zinc | 212 | 49.9 | 71.1 | 90.7 | 82 | 84.8 | 205 | 69 | 72.4 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 4230 | 46200 | 7320 | 121 U | 114 U | 1050 | 10900 | 117 U | NA |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | 117 U |

**TABLE 2-119**
**SEDIMENT DATA HITS TABLE - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-09-10-FW |
|---|---|
| VOCs (ug/Kg) | |
| No Detections | |
| SVOCs (ug/Kg) | |
| 2-Methylnaphthalene | 440 U |
| Acenaphthene | 440 U |
| Acenaphthylene | 440 U |
| Anthracene | 440 U |
| Benzo(a)anthracene | 57 J |
| Benzo(a)pyrene | 47 J |
| Benzo(b)fluoranthene | 100 J |
| Benzo(g,h,i)perylene | 440 U |
| Benzo(k)fluoranthene | 100 J |
| bis(2-Ethylhexyl)phthalate | 66 J |
| Carbazole | 440 U |
| Chrysene | 52 J |
| Dibenz(a,h)anthracene | 440 U |
| Dibenzofuran | 440 U |
| Fluoranthene | 100 J |
| Fluorene | 440 U |
| Indeno(1,2,3-cd)pyrene | 440 U |
| Naphthalene | 440 U |
| Phenanthrene | 62 J |
| Pyrene | 120 J |
| PCB/Pesticides (ug/Kg) | |
| 4,4'-DDD | 4.4 U |
| 4,4'-DDE | 1 J |
| 4,4'-DDT | 3.1 J |
| Aldrin | 2.3 U |
| alpha-BHC | 2.3 U |
| alpha-Chlordane | 0.55 J |
| beta-BHC | 2.3 U |
| delta-BHC | 0.85 J |
| Dieldrin | 0.83 J |
| Endosulfan I | 2.3 U |
| Endosulfan II | 4.4 U |
| Endrin | 4.4 U |
| Endrin aldehyde | 4.4 U |
| gamma-Chlordane | 0.36 J |
| Heptachlor | 2.3 U |
| Metals (mg/Kg) | |
| Aluminum | 3450 |
| Antimony | 1.1 |
| Arsenic | 40.4 J |
| Barium | 73.9 |
| Beryllium | 0.14 |
| Cadmium | 1.2 J |
| Calcium | 1280 J |
| Chromium | 32.1 J |
| Cobalt | 13.3 |
| Copper | 36.8 |
| Iron | 30600 |
| Lead | 43.6 J |
| Magnesium | 1700 |
| Manganese | 2640 J |
| Mercury | 0.054 U |
| Nickel | 7.7 |
| Potassium | 428 |
| Selenium | 0.62 |
| Thallium | 2.4 |
| Vanadium | 12.7 |
| Zinc | 479 J |

**TABLE 2-119**
**SEDIMENT DATA HITS TABLE - STATION 09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-09-10-FW |
|---|---|
| AVS-SEM (mg/Kg) | |
| Cadmium | 0.36 J |
| Copper | 53.4 |
| Lead | 55.7 |
| Mercury | 0.003 U |
| Nickel | 120 |
| SEM/AVS Ratio | 91 |
| Sulfide | 2.568 |
| Zinc | 269 |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | NA |
| Total Combustible Organics | 3860 |

# TABLE 2-120
## SEDIMENT DATA HITS TABLE - STATION 10
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-10-01-FW | SD-10-01-ME | SD-10-02-FW | SD-10-02-ME | SD-10-02-TR | SD-10-03-FW |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| Benzene | R | 42 UJ | R | 21 J | 35 U | 20 U |
| Carbon Disulfide | R | NA | R | NA | 29 J | 20 U |
| cis-1,2-Dichloroethene | NA | 64 J | NA | 93 UJ | 35 U | NA |
| Trichloroethene | R | 104 UJ | R | 60 J | 35 U | 20 U |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | R | 33 J | R | 10 U | 540 U | 660 U |
| Acenaphthene | R | 29 J | R | 13 | 540 U | 660 U |
| Acenaphthylene | R | 20 J | R | 13 J | 540 U | 660 U |
| Anthracene | R | 96.5 J | R | 49 J | 540 U | 660 U |
| Benzo(a)anthracene | R | 580 | R | 210 | 540 U | 660 U |
| Benzo(a)pyrene | R | 620 | R | 250 | 540 U | 660 U |
| Benzo(b)fluoranthene | 350 J | 965 J | 550 J | 290 J | 540 U | 660 U |
| Benzo(g,h,i)perylene | R | 365 | R | 200 | 540 U | 660 U |
| Benzo(k)fluoranthene | 350 J | 450 J | 550 J | 220 J | 540 UJ | 660 U |
| bis(2-Ethylhexyl)phthalate | 610 J | NA | 730 J | NA | 540 U | 120 J |
| Chrysene | R | 650 | R | 380 | 540 U | 660 U |
| Dibenz(a,h)anthracene | R | 125 | R | 69 | 540 U | 660 U |
| Fluoranthene | 230 J | 1950 J | 410 J | 570 | 540 U | 85 J |
| Fluorene | R | 115 J | R | 72 J | 540 U | 660 U |
| Indeno(1,2,3-cd)pyrene | R | 405 | R | 190 | 540 U | 660 U |
| Naphthalene | NA | 71 J | NA | 26 J | 540 U | 660 U |
| N-nitrosodiphenylamine | 560 J | NA | 450 J | NA | 540 U | 400 J |
| Phenanthrene | R | 690 J | R | 210 | 540 U | 660 U |
| Pyrene | 355 J | 1650 J | 570 J | 470 | 540 U | 99 J |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 140 J | 179 J | 100 J | 17 | 4.2 U | 6.6 U |
| 4,4'-DDE | 125 J | 160 J | 29 J | 5.1 | 4.2 U | 0.85 J |
| 4,4'-DDT | 2.6 J | 3.5 J | 2.3 J | 0.35 U | 4.2 U | 0.93 J |
| Aldrin | R | 18 J | R | 0.17 U | 2.1 U | 3.4 U |
| alpha-Chlordane | 13.5 J | 29.5 J | 7.2 J | 1.5 J | 2.1 U | 0.92 J |
| Aroclor 1248 | R | 560 J | R | 47 J | 42 U | 66 U |
| Aroclor 1260 | R | 320 J | R | 44 | 42 U | 66 U |
| delta-BHC | R | 1.7 U | R | 0.17 U | 2.1 U | 0.14 J |
| Dieldrin | 5.1 J | 14 J | 2.7 J | 0.35 U | 4.2 U | 0.55 J |
| Endrin | R | 5.8 J | R | 0.61 J | 4.2 U | 6.6 U |
| Endrin aldehyde | R | 11.7 J | R | 1.7 J | 4.2 U | 6.6 U |
| gamma-Chlordane | 18.5 J | 20.5 J | 7.4 J | 0.25 J | 2.1 U | 0.43 J |
| Heptachlor epoxide | R | 1.575 J | R | 0.54 J | 2.1 U | 3.4 U |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 24700 J | 29250 | 29300 J | 24400 | 28600 | 7690 |
| Antimony | 4.65 J | 13.95 J | 12.3 J | 13.9 J | 39.7 | 3.1 |
| Arsenic | 410 J | 692.5 | 833 J | 875 | 2180 | 187 J |
| Barium | 71.55 J | 112.6 | 41.4 J | 53.4 | 102 | 32.4 |
| Beryllium | 1.6 J | 2.05 | 1.7 J | 1.7 | 1.7 J | 0.48 |
| Cadmium | 21.15 J | 18.7 | 8.6 J | 12.4 | 13.9 | 5.9 |
| Calcium | 11250 J | 9770 | 10100 J | 8590 | 10400 | 5800 J |
| Chromium | 1530 J | 3435 | 670 J | 934 | 1570 | 114 J |
| Cobalt | 21.35 J | 40.3 | 14.2 J | 16.5 | 28.6 J | 11.2 |
| Copper | 1650 J | 2315 | 2080 J | 1870 | 2030 | 298 |
| Iron | 31300 J | 51650 | 27000 J | 31900 | 46700 | 10800 |
| Lead | 484 J | 881 | 646 J | 559 | 837 | 130 J |
| Magnesium | 1745 J | 2270 | 1490 J | 1500 | 1880 | 2140 |
| Manganese | 611 J | 665 | 388 J | 409 | 727 | 389 J |
| Mercury | 6.75 J | 19.9 | 11.7 J | 24.2 | 0.19 J | 0.54 |
| Nickel | 38.7 J | 45.75 | 20 J | 18.4 | 26.2 | 13.3 |
| Potassium | 546 J | 737 | 361 J | 345 U | 533 J | 256 |
| Selenium | 6.65 J | 9.3 J | 8.8 J | 11.5 | 1.9 J | 2.7 |
| Silver | R | 0.395 J | R | 0.57 J | 1 U | 0.57 U |
| Sodium | 889 J | 589 J | 738 J | 642 U | 1300 | 282 |
| Vanadium | 56.55 J | 76.95 | 44.8 J | 47.8 | 68.6 | 21.4 |
| Zinc | 2295 J | 4020 | 1410 J | 1570 | 2420 J | 1430 J |

**TABLE 2-120**
**SEDIMENT DATA HITS TABLE - STATION 10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-10-01-FW | SD-10-01-ME | SD-10-02-FW | SD-10-02-ME | SD-10-02-TR | SD-10-03-FW |
|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | 88.382 J | NA | 339.297 J | NA | NA |
| Cadmium | 26.85 J | 12.88 | 11.4 J | 5.6 U | 10.0688 | 8.3 |
| Copper | 573 | 3.96875 J | 1150 | 38.735 | 938.1363 | 244 |
| Lead | 694 | 363.636 J | 906 | 387.464 J | 566.25688 | 139 |
| Mercury | 0.02 U | R | 0.02 U | R | 1.2036 J | 0.01 U |
| Nickel | 113 U | 34.33365 J | 193 U | 13.4987 J | 14.156028 | 109 |
| SEM/AVS Ratio | 0.345 | 0.415 | 0.6 | 2.38 | 7.1 | 1.9 |
| Sulfide | 6853.35 | 2072.055 | 2799.12 | 165.315 | 191.637 J | 763.98 |
| Zinc | 3645 | 1617.845 J | 1950 | 630.004 J | 1616.3806 J | 2570 |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | 229500 | 465000 J | 262000 | 463000 J | NA | 97300 |
| Total Organic Carbon | NA | NA | NA | NA | 680000 | NA |

# TABLE 2-121
# SEDIMENT DATA HITS TABLE - STATION 11
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-11-01-FW | SD-11-01-ME | SD-11-02-FW | SD-11-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 2-Butanone | 120 J | NA | 200 J | 28 UJ |
| cis-1,2-Dichloroethene | NA | 170 J | NA | NA |
| trans-1,2-Dichloroethene | NA | 387 | NA | NA |
| Vinyl chloride | 27 U | 255 J | R | 28 U |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | 890 U | 16 J | R | 910 U |
| Acenaphthene | 890 U | 8 J | R | 910 U |
| Acenaphthylene | 890 U | 9 J | R | 910 U |
| Anthracene | 890 U | 54 J | R | 910 U |
| Benzo(a)anthracene | 890 U | 410 | 310 J | 120 J |
| Benzo(a)pyrene | 890 U | 520 | 220 J | 910 U |
| Benzo(b)fluoranthene | 120 J | 780 | 870 J | 350 J |
| Benzo(g,h,i)perylene | 890 U | 300 | 260 J | 910 U |
| Benzo(k)fluoranthene | 110 J | 720 | 840 J | 330 J |
| bis(2-Ethylhexyl)phthalate | 140 J | NA | 8100 J | 450 J |
| Chrysene | 890 U | 670 | 400 J | 180 J |
| Dibenz(a,h)anthracene | 890 U | 99 | R | 910 U |
| Fluoranthene | 890 U | 1000 | 710 J | 300 J |
| Fluorene | 890 U | 57 J | R | 910 U |
| Indeno(1,2,3-cd)pyrene | 890 U | 360 | 270 J | 910 U |
| Naphthalene | 890 U | 32 J | NA | 910 U |
| N-nitrosodiphenylamine | 410 J | NA | 540 J | 910 U |
| Phenanthrene | 890 U | 260 | 230 J | 120 J |
| Pyrene | 100 J | 950 | 640 J | 230 J |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 8.9 U | 45 J | R | 9.2 U |
| 4,4'-DDE | 2.7 J | 15 J | 8.3 J | 0.76 J |
| 4,4'-DDT | 0.66 J | 1.9 J | 1.4 J | 0.5 J |
| Aldrin | 4.6 U | 0.16 UJ | R | 0.59 J |
| alpha-Chlordane | 4.6 U | 8.1 J | 2.7 J | 0.62 J |
| Aroclor 1248 | 89 U | 180 J | R | 92 U |
| Aroclor 1260 | 17 J | 230 | 61 J | 92 U |
| Dieldrin | 8.9 U | 1.4 J | R | 9.2 U |
| Endosulfan I | 4.6 U | 0.44 J | R | 4.7 U |
| Endosulfan II | 8.9 U | 0.51 J | R | 9.2 U |
| Endosulfan Sulfate | 8.9 U | 0.72 J | R | 9.2 U |
| Endrin | 8.9 U | 0.69 J | R | 9.2 U |
| Endrin Aldehyde | 8.9 U | 1.7 J | R | 9.2 U |
| gamma-Chlordane | 0.34 J | 5.6 J | 2.7 J | 0.51 J |
| Metals (mg/Kg) | | | | |
| Aluminum | 14800 | 12600 J | 5090 | 10200 |
| Antimony | 8.4 | 1.5 UJ | 1.2 | 2.7 |
| Arsenic | 874 J | 121 | 268 J | 473 J |
| Barium | 30.5 | 149 | 24.6 | 62.9 |
| Beryllium | 1.1 | 0.97 J | 0.38 | 0.52 |
| Cadmium | 8.7 | 9.5 | 3.4 | 3.3 |
| Calcium | 2680 J | 5800 | 1870 J | 5700 J |
| Chromium | 791 J | 303 J | 900 J | 317 J |
| Cobalt | 14.5 | 25.3 J | 8.1 | 19.8 |
| Copper | 619 | 402 | 283 | 172 |
| Iron | 49900 | 31700 J | 23800 | 35800 |
| Lead | 175 J | 606 J | 118 J | 100 J |
| Magnesium | 844 | 2980 | 561 | 1590 |
| Manganese | 139 J | 728 | 221 J | 1630 J |
| Mercury | 4.5 | 1.9 | 3.7 | 1.1 |
| Nickel | 11.2 | 32.8 J | 9.3 | 13.9 |
| Potassium | 337 | 956 J | 233 | 526 |
| Selenium | 4.4 | 2.5 J | 3.1 | 2.4 |
| Silver | 0.63 U | 0.92 J | 0.63 U | 0.85 U |
| Sodium | 430 | 421 | 211 | 486 |
| Vanadium | 29.1 | 58.8 | 16.3 | 23.2 |
| Zinc | 2850 J | 2260 J | 830 J | 1350 J |

**TABLE 2-121**
**SEDIMENT DATA HITS TABLE - STATION 11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-11-01-FW | SD-11-01-ME | SD-11-02-FW | SD-11-03-FW |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Arsenic | NA | 223.202 J | NA | NA |
| Cadmium | 29.6 | 11.2 UJ | 20.9 J | 1.7 |
| Copper | 324 | 92.075 J | 1270 | 74.8 |
| Lead | 150 J | 267.288 J | 660 | 59 J |
| Nickel | 26.5 U | 25.8236 J | 68.9 U | 10.8 U |
| SEM/AVS Ratio | 1.9 | 1.34 | 0.13 | 0.99 |
| Sulfide | 3165.06 | 503.97 | 26964 | 468.66 J |
| Zinc | 11800 | 1173.02 J | 5800 | 849 |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 36700 | 387000 J | 49900 | 121000 |

# TABLE 2-122
## SEDIMENT DATA HITS TABLE - STATION 12
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-12-01-FW | SD-12-01-ME | SD-12-02-FW | SD-12-03-FW | SD-12-03-ME | SD-12-03-TR |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| 2-Butanone | R | NA | 87 J | 22 U | NA | R |
| Acetone | R | NA | R | 56 UJ | NA | 370 J |
| Benzene | R | 41 UJ | R | 22 U | 9 J | R |
| cis-1,2-Dichloroethene | NA | 417 J | NA | NA | 25 J | R |
| Trichloroethene | R | 53 J | R | 22 U | 41 UJ | R |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | R | 13 J | R | 730 U | 25 J | 390 U |
| Acenaphthene | R | 10 J | R | 730 U | 15 J | 390 U |
| Acenaphthylene | R | 19 J | R | 730 U | 23 J | 390 U |
| Anthracene | R | 69 J | R | 730 U | 79 | 390 U |
| Benzo(a)anthracene | 270 J | 560 J | 160 J | 140 J | 420 | 290 J |
| Benzo(a)pyrene | 300 J | 1000 J | 160 J | 160 J | 440 | 520 J |
| Benzo(b)fluoranthene | 790 J | 1500 J | 350 J | 410 J | 780 J | 960 |
| Benzo(g,h,i)perylene | R | 640 J | R | 730 U | 290 | 280 J |
| Benzo(k)fluoranthene | 800 J | 720 J | 350 J | 390 J | 440 J | 360 J |
| bis(2-Ethylhexyl)phthalate | 660 J | NA | 350 J | 500 J | NA | 260 J |
| Chrysene | 450 J | 850 J | 200 J | 180 J | 610 | 510 |
| Dibenz(a,h)anthracene | R | 320 J | R | 730 U | 150 | 390 U |
| Fluoranthene | 800 J | 1200 J | 390 J | 260 J | 750 | 730 |
| Fluorene | R | 47 J | R | 730 U | 78 J | 390 U |
| Indeno(1,2,3-cd)pyrene | 160 J | 740 J | R | 79 J | 330 | 260 J |
| Naphthalene | R | 26 J | R | 730 U | 120 J | 390 U |
| N-nitrosodiphenylamine | R | NA | R | 100 J | NA | 390 U |
| Phenanthrene | 240 J | 570 J | R | 730 U | 460 | 230 J |
| Pyrene | 770 J | 1000 J | 420 J | 220 J | 650 | 670 |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | R | 17 | R | 2.4 J | 1.9 | 3.1 U |
| 4,4'-DDE | 1.7 J | 4 | 0.52 J | 4.4 J | 0.9 J | 1.3 J |
| 4,4'-DDT | 0.53 J | 1.3 J | R | 7.3 U | 1.1 J | 3.1 U |
| Aldrin | R | 0.17 U | R | 0.51 J | 0.16 U | 1.6 U |
| alpha-Chlordane | 1.6 J | 2.4 J | R | 1.8 J | 1.1 J | 1.6 U |
| Aroclor 1248 | R | 28 J | R | 73 U | 15 J | 31 U |
| Aroclor 1260 | R | 58 | R | 73 U | 18 | 31 U |
| beta-BHC | 1.7 J | 0.17 U | 0.71 J | 3.8 U | 0.16 U | 1.6 U |
| Dieldrin | 1.3 J | 0.78 J | 0.42 J | 1.5 J | 0.32 U | 3.1 U |
| Endosulfan I | R | 0.17 U | R | 0.62 J | 0.16 U | 1.6 U |
| Endosulfan II | 0.69 J | 0.33 U | R | 7.3 U | 0.32 U | 3.1 U |
| Endrin | 1.8 J | 1.4 J | 0.21 J | 2.6 J | 0.77 J | 3.1 U |
| Endrin aldehyde | R | 1.8 J | R | 1 J | 0.87 J | 3.1 U |
| gamma-BHC (Lindane) | R | 0.23 J | R | 3.8 U | 0.34 J | 1.6 U |
| gamma-Chlordane | 1.4 J | 1.7 J | 0.34 J | 1.7 J | 0.73 J | 1.6 U |
| Heptachlor epoxide | R | 0.46 J | R | 3.8 U | 0.27 J | 1.6 U |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 10300 J | 26000 | 4560 | 6820 | 27500 | 16500 |
| Antimony | R | 68 J | 0.95 UJ | 22.4 J | 117 J | 19.2 |
| Arsenic | 101 J | 3230 | 38.4 | 1540 | 4550 | 958 |
| Barium | 42 J | 78.8 | 19.6 | 27.1 | 52.5 | 121 |
| Beryllium | R | 2 | 0.49 U | 0.55 | 1.7 | 1.3 J |
| Cadmium | 1.8 J | 11.7 | 1.3 | 4.2 J | 11.4 | 13.5 |
| Calcium | 5900 J | 8920 | 3590 | 2230 | 7160 | 5340 |
| Chromium | 151 J | 2120 | 42.1 J | 522 J | 726 | 1310 |
| Cobalt | 26.1 J | 36.2 | 11 | 15.8 | 38.1 | 37.9 J |
| Copper | 76.6 J | 2080 | 40.5 | 398 | 1980 | 718 |
| Iron | 19000 J | 90200 | 7530 | 53900 | 107000 | 94600 |
| Lead | 44.9 J | 1240 | 16.8 | 192 | 1220 | 459 |
| Magnesium | 1550 J | 1860 | 610 | 715 | 1480 | 3070 |
| Manganese | 385 J | 776 | 195 J | 249 J | 586 | 1180 |
| Mercury | 0.74 J | 27.5 | 0.15 J | 4.6 J | 44.8 | 0.17 U |
| Nickel | 12.6 J | 28.3 | 5.4 | 11.7 | 20.5 | 28.1 |
| Potassium | 344 J | 795 | 160 | 267 | 450 U | 837 J |
| Selenium | 3.9 J | 18.3 | 1.3 | 7.6 | 30.3 | 1 U |
| Silver | R | 0.54 J | 0.59 U | 0.47 U | 1.2 J | 1.8 |
| Sodium | 436 J | 708 U | 200 | 141 | 493 U | 793 J |
| Thallium | R | 1.2 U | 1.4 U | 1.4 | 1.5 U | 1.1 UJ |
| Vanadium | 24.7 J | 107 | 10.8 | 30.6 | 127 | 60.6 J |
| Zinc | 2240 J | 2640 | 1390 | 1370 | 4760 | 2680 J |

**TABLE 2-122**
**SEDIMENT DATA HITS TABLE - STATION 12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-12-01-FW | SD-12-01-ME | SD-12-02-FW | SD-12-03-FW | SD-12-03-ME | SD-12-03-TR |
|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | 254.66 J | NA | NA | 223.951 J | NA |
| Cadmium | 3.2 | 5.6 U | 2.5 | 3.3 | 8.96 | 77.728 |
| Copper | 73.5 J | 80.645 | 54.7 J | 269 J | 39.37 | 331.2795 |
| Lead | 53.3 J | 319.088 | 33.1 J | 185 J | 675.472 | 238.13496 |
| Mercury | 0.01 U | R | 0.01 U | 0.01 U | R | 0.16048 J |
| Nickel | 78.3 U | 15.2594 J | 162 U | 77.7 U | 16.4332 J | 12.9118 |
| SEM/AVS Ratio | 0.58 | 0.45 | 0.52 | 0.25 | 1.51 | 1.14 |
| Sulfide | 2654.67 | 1149.18 | 2320.83 | 2924.31 | 372.36 | 773.289 |
| Zinc | 3050 J | 856.7 J | 2410 J | 1150 J | 876.47 J | 1439.42784 |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | 173000 | 912000 J | 105000 | 42200 | 431000 J | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | 150000 J |

**TABLE 2-123**
**SEDIMENT DATA HITS TABLE - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-13-01-FW | SD-13-01-ME | SD-13-01-TR | SD-13-02-FW | SD-13-03-FW | SD-13-03-ME |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| 1,1,1-Trichloroethane | R | 104 UJ | 59 J | R | R | 97 UJ |
| 2-Butanone | 190 J | NA | 22 U | 160 J | R | NA |
| Acetone | R | NA | 4300 J | 630 J | R | NA |
| Benzene | R | 8 J | 22 U | R | R | 7 J |
| cis-1,2-Dichloroethene | NA | 35 UJ | 22 U | NA | NA | 23 J |
| Ethylbenzene | R | 9 J | 22 UJ | R | R | 13 UJ |
| Trichloroethene | R | 35 UJ | 22 U | R | R | 37 J |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | R | 73 | 280 U | R | R | 23 J |
| Acenaphthene | R | 89 J | 280 U | R | R | 22 J |
| Acenaphthylene | R | 31 J | 280 U | R | R | 26 J |
| Anthracene | R | 300 | 280 U | R | R | 99 |
| Benzo(a)anthracene | 680 J | 1700 | 110 J | 510 J | 1200 J | 750 |
| Benzo(a)pyrene | 710 J | 1700 | 150 J | 700 J | 1300 J | 890 |
| Benzo(b)fluoranthene | 1700 J | 1900 J | 270 J | 1400 J | 3600 J | 1100 J |
| Benzo(g,h,i)perylene | 370 J | 820 | 280 U | 260 J | 340 J | 540 |
| Benzo(k)fluoranthene | 1600 J | 850 J | 280 UJ | 1300 J | 3400 J | 570 J |
| bis(2-Ethylhexyl)phthalate | 1000 J | NA | 140 J | 1100 J | 5100 J | NA |
| Butylbenzylphthalate | R | NA | 280 U | R | 230 J | NA |
| Carbazole | R | NA | 280 U | R | 170 J | NA |
| Chrysene | 1000 J | 1700 | 150 J | 850 J | 1300 J | 1100 |
| Dibenz(a,h)anthracene | 330 J | 220 | 280 U | R | R | 180 |
| Fluoranthene | 1800 J | 5200 | 230 J | 1200 J | 2400 J | 2300 |
| Fluorene | R | 220 | 280 U | R | R | 67 J |
| Indeno(1,2,3-cd)pyrene | 760 J | 1000 | 280 U | 590 J | 760 J | 610 |
| Naphthalene | R | 67 J | 280 U | R | R | 40 J |
| Phenanthrene | 650 J | 2700 | 280 U | 450 J | 770 J | 960 |
| Pyrene | 1300 J | 4000 | 230 J | 1000 J | 1800 J | 1700 |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 2.3 J | 18 J | 4.4 | 8 J | 12 J | 310 |
| 4,4'-DDE | 2.5 J | 17 J | 2.9 | 1.6 J | 13 J | 130 |
| 4,4'-DDT | 0.45 J | 4 J | 2.2 U | 1.2 J | 2.9 J | 12 J |
| Aldrin | 0.47 J | 0.16 UJ | 1.1 U | 1.4 J | 1.6 J | 1.6 U |
| alpha-BHC | 0.32 J | 0.16 UJ | 1.1 U | 0.91 J | 1.7 J | 1.6 U |
| alpha-Chlordane | 3.2 J | 17 J | 1.1 U | 8.8 J | 27 J | 93 |
| Aroclor 1248 | R | 25 J | 22 U | R | R | 170 J |
| Aroclor 1254 | R | 3.1 U | 45 | R | R | 3.3 U |
| Aroclor 1260 | R | 79 | 22 U | R | 310 J | 250 |
| beta-BHC | 1.5 J | 0.16 UJ | 1.1 U | 2.1 J | 3.1 J | 1.6 U |
| delta-BHC | R | 0.16 UJ | 1.1 U | R | R | 15 J |
| Dieldrin | 2.2 J | 1.4 J | 2.2 U | 4.3 J | R | 11 J |
| Endosulfan II | R | 0.39 J | 2.2 U | 4.7 J | R | 3.3 U |
| Endosulfan sulfate | R | 0.38 J | 2.2 U | R | R | 3.3 U |
| Endrin | 0.2 J | 9.6 J | 2.2 U | 0.28 J | R | 3.3 U |
| Endrin aldehyde | R | 2.2 J | 2.2 U | 2.6 J | 10 J | 7.5 J |
| gamma-Chlordane | 1 J | 16 J | 1.1 U | 3.3 J | 18 J | 650 J |
| Heptachlor epoxide | R | 0.4 J | 1.1 U | R | R | 1.6 U |

**TABLE 2-123**
**SEDIMENT DATA HITS TABLE - STATION 13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-13-01-FW | SD-13-01-ME | SD-13-01-TR | SD-13-02-FW | SD-13-03-FW | SD-13-03-ME |
|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | |
| Aluminum | 30200 J | 6430 J | 17000 | 34400 J | 27000 J | 14800 J |
| Antimony | 61 J | 1.7 J | 6.6 | 43.5 J | R | 4.2 J |
| Arsenic | 4210 J | 15.9 | 353 | 2480 J | 356 J | 186 |
| Barium | 78.8 J | 63.8 | 128 | 85.3 J | 155 J | 107 |
| Beryllium | 1.6 J | 0.45 J | 1.2 J | 2 J | 1.5 J | 1.1 J |
| Cadmium | 13.8 J | 3.1 | 7.8 | 10.5 J | 10.6 J | 3.8 |
| Calcium | 12700 J | 3020 | 6190 | 17000 J | 5890 J | 6950 |
| Chromium | 525 J | 61.2 J | 494 | 725 J | 710 J | 562 J |
| Cobalt | 19 J | 7.2 J | 21.6 J | 15.4 J | 40.7 J | 9.7 J |
| Copper | 2340 J | 113 | 474 | 2030 J | 685 J | 450 |
| Iron | 54700 J | 12800 J | 50900 | 54100 J | 54600 J | 20200 J |
| Lead | 1270 J | 340 J | 756 | 911 J | 1180 J | 771 J |
| Magnesium | 2310 J | 1930 | 4440 | 1970 J | 7610 J | 2370 |
| Manganese | 921 J | 123 | 607 | 1050 J | 953 J | 330 |
| Mercury | 19.5 J | 0.25 J | 0.48 J | 7 J | 3.3 J | 14.3 J |
| Nickel | 22.8 J | 15.9 J | 27.9 | 19 J | 53.4 J | 19.4 J |
| Potassium | 640 J | 715 J | 1370 J | 477 J | 2030 J | 741 J |
| Selenium | 26.3 J | 0.53 J | 1 U | 23 J | 5.9 J | 3.1 J |
| Silver | 2 J | 0.21 J | 1 U | 2 UJ | 1.4 J | 0.32 J |
| Sodium | 1080 J | 622 | 570 | 1270 J | 710 J | 798 |
| Thallium | 3.7 J | 0.43 UJ | 1.1 U | R | 3.2 J | 0.43 UJ |
| Vanadium | 108 J | 27.4 | 61 | 78.1 J | 120 J | 54 |
| Zinc | 2660 J | 445 J | 1420 J | 2250 J | 2670 J | 641 J |
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | 3.745 U | NA | NA | NA | 37.45 J |
| Cadmium | 12.1 J | 5.6 U | 5.0512 | 2 J | 2 J | 5.6 U |
| Copper | 2270 J | 3.175 UJ | 253.9873 | 567 J | 341 J | 37.465 J |
| Lead | 1590 J | 242.424 J | 467.46392 | 746 J | 911 J | 578.088 J |
| Mercury | 0.01 U | 10.03 U | 0.54162 J | 0.02 U | 0.55 J | 10.03 U |
| Nickel | 221 U | 8.8035 J | 14.208849 | 48.4 U | 37.4 U | 12.3249 J |
| SEM/AVS Ratio | 0.79 | 1.48125 | 27.7 | 0.33 | 58 | 2.26 |
| Sulfide | 2821.59 J | 154.08 | 21.828 J | 2821.59 J | 12.84 J | 121.659 |
| Zinc | 1700 J | 381.561 J | 803.75292 J | 1060 J | 892 J | 326.864 J |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | 234000 | 232000 J | NA | 385000 | 229000 | 118000 J |
| Total Organic Carbon | NA | NA | 300000 | NA | NA | NA |

**TABLE 2-124**
**SEDIMENT DATA HITS TABLE - STATION 14**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-14-01-FW | SD-14-02-FW | SD-14-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| Acetone | 140 J | 12 U | 58 J |
| Toluene | 12 U | 12 U | 3 J |
| SVOCs (ug/Kg) | | | |
| Anthracene | 660 J | 2100 UJ | 2300 UJ |
| Benzo(a)anthracene | 1100 J | 700 J | 1100 J |
| Benzo(a)pyrene | 2100 UJ | 2100 UJ | 890 J |
| Benzo(b)fluoranthene | 920 J | 1300 J | 2100 J |
| Benzo(k)fluoranthene | 1100 J | 2100 UJ | 2300 UJ |
| bis(2-Ethylhexyl)phthalate | 730 J | 2100 UJ | 1100 J |
| Chrysene | 1200 J | 910 J | 1400 J |
| Fluoranthene | 2400 J | 2200 J | 2800 J |
| Phenanthrene | 2600 J | 810 J | 1100 J |
| Pyrene | 1800 J | 1200 J | 2000 J |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 9.7 J | 21 UJ | 23 UJ |
| 4,4'-DDE | 8.2 J | 21 UJ | 23 UJ |
| alpha-Chlordane | 4.1 J | 3.3 J | 5 J |
| Dieldrin | 21 UJ | 21 UJ | 20 J |
| Endosulfan I | 8 J | 8.2 J | 18 J |
| Endosulfan II | 2.6 J | 21 UJ | 23 UJ |
| Metals (mg/Kg) | | | |
| Aluminum | 4030 | 3830 | 3200 |
| Antimony | 0.99 J | 0.89 J | 0.85 J |
| Arsenic | 49.1 | 61.1 | 73.4 |
| Barium | 15.9 | 13.4 | 18.4 |
| Beryllium | 0.21 | 0.19 U | 0.2 U |
| Cadmium | 0.4 | 0.53 | 1 |
| Calcium | 1760 | 1020 | 1320 |
| Chromium | 216 | 53.1 J | 43 J |
| Cobalt | 5 | 2.9 | 4.4 |
| Copper | 60.1 | 64.9 | 46 |
| Iron | 19400 J | 9030 | 13600 |
| Lead | 130 J | 34.5 | 40.5 |
| Magnesium | 1750 | 1270 | 1200 |
| Manganese | 141 J | 84.9 J | 172 J |
| Mercury | 0.16 J | 1.4 J | 0.2 J |
| Nickel | 10.4 | 5.4 | 6.2 |
| Potassium | 586 | 455 | 485 |
| Selenium | 0.73 J | 0.61 U | 0.61 |
| Sodium | 57.2 | 75.6 | 74.4 |
| Thallium | 0.81 | 0.71 U | 0.61 U |
| Vanadium | 13.3 | 8.9 | 12.2 |
| Zinc | 220 | 170 | 273 |
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 0.82 J | 0.51 J | 0.88 J |
| Copper | 36.1 J | 99.3 J | 37.5 J |
| Lead | 57.5 J | 38.1 J | 47.6 J |
| Mercury | 0.003 U | 0.02 J | 0.004 U |
| Nickel | 46.3 U | 94.5 J | 4.9 U |
| SEM/AVS Ratio | 0.18 | 2.8 | 2.9 |
| Sulfide | 770.4 | 73.83 | 211.86 |
| Zinc | 224 J | 205 J | 1190 J |
| TOC/TCO (mg/Kg) | | | |
| Total Combustible Organics | 11000 | 4480 | 12300 |

**TABLE 2-125**
**SEDIMENT DATA HITS TABLE - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-15-01-FW | SD-15-01-ME | SD-15-02-FW | SD-15-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,2-Dichloroethene(total) | 29 J | NA | 24 J | 29 J |
| Acetone | 210 J | NA | 290 J | R |
| Carbon Disulfide | 18 J | NA | R | R |
| cis-1,2-Dichloroethene | NA | 187 J | NA | NA |
| Tetrachloroethene | R | 190 UJ | R | 41 J |
| Trichloroethene | R | 206 J | 26 J | 48 J |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | R | 10 J | R | R |
| Acenaphthene | R | R | R | R |
| Acenaphthylene | R | 7 J | R | R |
| Anthracene | R | 50 J | R | R |
| Benzo(a)anthracene | R | 200 | R | R |
| Benzo(a)pyrene | R | 180 J | R | R |
| Benzo(b)fluoranthene | R | 440 J | R | R |
| Benzo(g,h,i)perylene | R | 150 J | R | R |
| Benzo(k)fluoranthene | R | 270 J | R | R |
| Chrysene | R | 410 | R | R |
| Dibenz(a,h)anthracene | R | 60 J | R | R |
| Fluoranthene | R | 990 | R | R |
| Fluorene | R | 69 J | R | R |
| Indeno(1,2,3-cd)pyrene | R | 170 J | R | R |
| Naphthalene | NA | 15 J | NA | NA |
| Phenanthrene | R | 400 | R | R |
| Pyrene | R | 590 | R | R |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | R | 6.9 J | R | R |
| 4,4'-DDE | R | 3.8 J | R | R |
| 4,4'-DDT | R | 1.8 J | R | R |
| alpha-Chlordane | R | 6 J | R | R |
| Aroclor 1248 | R | 43 J | R | R |
| Aroclor 1260 | R | 83 | R | R |
| Dieldrin | R | 0.57 J | R | R |
| Endosulfan I | 8.9 J | 0.45 J | 6 J | 15 J |
| Endrin | R | 0.48 J | R | R |
| Endrin Aldehyde | R | 2 J | R | R |
| gamma-Chlordane | R | 0.98 J | R | R |
| Heptachlor epoxide | R | 0.17 J | R | R |
| Metals (mg/Kg) | | | | |
| Aluminum | 4810 J | 6100 J | 6670 J | 6260 J |
| Antimony | 4 J | 3.9 J | 6 J | R |
| Arsenic | 193 J | 184 | 185 J | 104 J |
| Barium | 52.8 J | 65.6 | 62.5 J | 48.9 J |
| Beryllium | R | 0.76 J | R | 1.1 J |
| Cadmium | 37.4 J | 17.7 | 23.3 J | 34.1 J |
| Calcium | 15000 J | 13400 | 15700 J | 13200 J |
| Chromium | 147 J | 537 J | 229 J | 158 J |
| Cobalt | 14.1 J | 23.1 J | 17.9 J | 16.1 J |
| Copper | 181 J | 306 | 453 J | 469 J |
| Iron | 22200 J | 16000 J | 18500 J | 11800 J |
| Lead | 55.4 J | 157 J | 104 J | 84.7 J |
| Magnesium | 1280 J | 1300 | 1650 J | 1140 J |
| Manganese | 1400 J | 956 | 959 J | 1130 J |
| Mercury | 0.68 J | 1.3 J | 0.71 J | R |
| Nickel | 9.6 J | 18.9 J | 17.5 J | 20.5 J |
| Potassium | 259 J | 243 J | 390 J | 282 J |
| Selenium | R | 1.2 UJ | 8.6 J | 6.5 J |
| Silver | R | 0.29 J | R | R |
| Sodium | 859 J | 642 | 811 J | 962 J |
| Thallium | R | 2.4 J | R | R |
| Vanadium | 14.2 J | 22.4 | 22.9 J | 19.3 J |
| Zinc | 3350 J | 2490 J | 2660 J | 1990 J |

**TABLE 2-125**
**SEDIMENT DATA HITS TABLE - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-15-01-FW | SD-15-01-ME | SD-15-02-FW | SD-15-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,2-Dichloroethene(total) | 29 J | NA | 24 J | 29 J |
| Acetone | 210 J | NA | 290 J | R |
| Carbon Disulfide | 18 J | NA | R | R |
| cis-1,2-Dichloroethene | NA | 187 J | NA | NA |
| Tetrachloroethene | R | 190 UJ | R | 41 J |
| Trichloroethene | R | 206 J | 26 J | 48 J |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | R | 10 J | R | R |
| Acenaphthene | R | R | R | R |
| Acenaphthylene | R | 7 J | R | R |
| Anthracene | R | 50 J | R | R |
| Benzo(a)anthracene | R | 200 | R | R |
| Benzo(a)pyrene | R | 180 J | R | R |
| Benzo(b)fluoranthene | R | 440 J | R | R |
| Benzo(g,h,i)perylene | R | 150 J | R | R |
| Benzo(k)fluoranthene | R | 270 J | R | R |
| Chrysene | R | 410 | R | R |
| Dibenz(a,h)anthracene | R | 60 J | R | R |
| Fluoranthene | R | 990 | R | R |
| Fluorene | R | 69 J | R | R |
| Indeno(1,2,3-cd)pyrene | R | 170 J | R | R |
| Naphthalene | NA | 15 J | NA | NA |
| Phenanthrene | R | 400 | R | R |
| Pyrene | R | 590 | R | R |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | R | 6.9 J | R | R |
| 4,4'-DDE | R | 3.8 J | R | R |
| 4,4'-DDT | R | 1.8 J | R | R |
| alpha-Chlordane | R | 6 J | R | R |
| Aroclor 1248 | R | 43 J | R | R |
| Aroclor 1260 | R | 83 | R | R |
| Dieldrin | R | 0.57 J | R | R |
| Endosulfan I | 8.9 J | 0.45 J | 6 J | 15 J |
| Endrin | R | 0.48 J | R | R |
| Endrin Aldehyde | R | 2 J | R | R |
| gamma-Chlordane | R | 0.98 J | R | R |
| Heptachlor epoxide | R | 0.17 J | R | R |
| Metals (mg/Kg) | | | | |
| Aluminum | 4810 J | 6100 J | 6670 J | 6260 J |
| Antimony | 4 J | 3.9 J | 6 J | R |
| Arsenic | 193 J | 184 | 185 J | 104 J |
| Barium | 52.8 J | 65.6 | 62.5 J | 48.9 J |
| Beryllium | R | 0.76 J | R | 1.1 J |
| Cadmium | 37.4 J | 17.7 | 23.3 J | 34.1 J |
| Calcium | 15000 J | 13400 | 15700 J | 13200 J |
| Chromium | 147 J | 537 J | 229 J | 158 J |
| Cobalt | 14.1 J | 23.1 J | 17.9 J | 16.1 J |
| Copper | 181 J | 306 | 453 J | 469 J |
| Iron | 22200 J | 16000 J | 18500 J | 11800 J |
| Lead | 55.4 J | 157 J | 104 J | 84.7 J |
| Magnesium | 1280 J | 1300 | 1650 J | 1140 J |
| Manganese | 1400 J | 956 | 959 J | 1130 J |
| Mercury | 0.68 J | 1.3 J | 0.71 J | R |
| Nickel | 9.6 J | 18.9 J | 17.5 J | 20.5 J |
| Potassium | 259 J | 243 J | 390 J | 282 J |
| Selenium | R | 1.2 UJ | 8.6 J | 6.5 J |
| Silver | R | 0.29 J | R | R |
| Sodium | 859 J | 642 | 811 J | 962 J |
| Thallium | R | 2.4 J | R | R |
| Vanadium | 14.2 J | 22.4 | 22.9 J | 19.3 J |
| Zinc | 3350 J | 2490 J | 2660 J | 1990 J |

**TABLE 2-125**
**SEDIMENT DATA HITS TABLE - STATION 15**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-15-01-FW | SD-15-01-ME | SD-15-02-FW | SD-15-03-FW |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Arsenic | NA | 35.203 J | NA | NA |
| Cadmium | 33.9 J | 22.4 J | 23.7 J | 59.9 J |
| Copper | 138 U | 3.175 UJ | 380 J | 346 J |
| Lead | 34 U | 167.832 J | 71.3 J | 65.3 J |
| Nickel | 32.1 U | 30.5188 J | 169 U | 340 U |
| SEM/AVS Ratio | 0.38 | 0.88 | 0.88 | 3 |
| Sulfide | 3434.7 J | 1004.73 | 1351.41 | 471.87 |
| Zinc | 2670 J | 1719.99 J | 2000 J | 2510 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 432000 | 702000 J | 381000 | 450000 |

**TABLE 2-126**
**SEDIMENT DATA HITS TABLE - STATION 16**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-16-01-FW | SD-16-02-FW | SD-16-03-FW |
|---|---|---|---|
| VOCs (ug/Kg) | | | |
| No Detections | | | |
| SVOCs (ug/Kg) | | | |
| Benzo(b)fluoranthene | 840 U | 420 U | 45 J |
| Benzo(k)fluoranthene | 840 U | 420 U | 45 J |
| bis(2-Ethylhexyl)phthalate | 840 U | 73 J | 420 U |
| Butylbenzylphthalate | 130 J | 420 U | 420 U |
| Fluoranthene | 88 J | 420 U | 50 J |
| Pyrene | 110 J | 420 U | 61 J |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 11 | 13 | 4.2 U |
| 4,4'-DDE | 2.9 J | 3.6 J | 0.32 J |
| 4,4'-DDT | 1.8 J | 6.8 | 0.32 J |
| alpha-Chlordane | 0.67 J | 0.45 J | 4.2 U |
| delta-BHC | 4.3 U | 0.29 J | 2.2 U |
| Dieldrin | 1 J | 0.49 J | 0.32 J |
| gamma-Chlordane | 0.72 J | 0.47 J | 0.12 J |
| Metals (mg/Kg) | | | |
| Aluminum | 2800 | 3690 | 2480 |
| Antimony | 0.56 J | 0.34 U | 0.56 U |
| Arsenic | 13.6 | 12.7 J | 6.4 J |
| Barium | 10.6 | 12.4 | 21.2 |
| Beryllium | 0.12 U | 0.12 | 0.016 U |
| Cadmium | 0.18 | 0.34 | 0.1 |
| Calcium | 772 | 1190 J | 3680 J |
| Chromium | 20.9 J | 38.4 J | 3.3 J |
| Cobalt | 2.9 | 4 | 5.2 |
| Copper | 24.8 | 32.5 | 7.1 |
| Iron | 5110 | 6850 | 4860 |
| Lead | 10.1 | 15.4 J | 1.9 J |
| Magnesium | 1300 | 1870 | 931 |
| Manganese | 93.3 J | 158 J | 84 J |
| Mercury | 0.37 J | 0.13 | 0.046 U |
| Nickel | 4.2 | 5.7 | 1.6 |
| Potassium | 299 | 519 | 515 |
| Sodium | 92 | 37.3 U | 60.8 U |
| Vanadium | 6.7 | 10.3 | 4.2 |
| Zinc | 78.5 | 155 J | 36.4 J |
| AVS-SEM (mg/Kg) | | | |
| Cadmium | 2.5 | 0.6 | 0.22 J |
| Copper | 29.2 J | 55.2 | 18.7 U |
| Lead | 10.9 J | 24.9 | 11.6 |
| SEM/AVS Ratio | 3.9 | 4.1 | 3.1 |
| Sulfide | 13.803 | 34.026 | 20.544 |
| Zinc | 74.9 J | 222 | 128 |
| TOC/TCO (mg/Kg) | | | |
| Total Combustible Organics | 1390 | 125 U | 3040 |

# TABLE 2-127
## SEDIMENT DATA HITS TABLE - STATION 18
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-18-01-FW | SD-18-02-FW | SD-18-02-ME | SD-18-02-TR | SD-18-03-FW | SD-18-03-ME |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| 1,1-Dichloroethane | 3 J | R | 178 U | R | R | 229 U |
| 1,2-Dichloroethene(total) | 59 | R | NA | NA | R | NA |
| 2-Butanone | 18 U | R | NA | R | 65 J | NA |
| Acetone | 150 UJ | 310 J | NA | 385 J | 230 J | NA |
| cis-1,2-Dichloroethene | NA | NA | 37 J | R | NA | 76 UJ |
| Vinyl Chloride | 2 J | R | 178 U | R | R | 229 U |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | 600 U | R | 15 J | 410 U | R | 21 J |
| Acenaphthene | 600 U | R | 30 J | 410 U | R | 29 J |
| Acenaphthylene | 600 U | R | 16 J | 410 U | R | 23 J |
| Anthracene | 600 U | R | 150 | 410 U | R | 130 |
| Benzo(a)anthracene | 600 U | R | 1400 | 410 U | R | 1400 |
| Benzo(a)pyrene | 600 U | R | 1900 | R | R | 1900 J |
| Benzo(b)fluoranthene | 600 U | R | 2500 J | 180 J | R | 2400 J |
| Benzo(g,h,i)perylene | 600 U | R | 1400 | 410 U | R | 1600 J |
| Benzo(k)fluoranthene | 600 U | R | 1200 J | 410 J | R | 920 J |
| bis(2-Ethylhexyl)phthalate | 600 U | R | NA | 410 U | R | NA |
| Chrysene | 600 U | R | 2200 | 410 U | R | 2000 |
| Dibenz(a,h)anthracene | 600 U | R | 430 | 410 U | R | 410 J |
| Fluoranthene | 600 U | R | 4000 | 220 J | R | 3100 |
| Fluorene | 600 U | R | 110 | 410 U | R | 94 |
| Indeno(1,2,3-cd)pyrene | 600 U | R | 1400 | 410 U | R | 1500 J |
| Naphthalene | 600 U | NA | 29 J | 410 U | NA | 34 J |
| N-nitrosodiphenylamine | 600 U | R | NA | 410 U | R | NA |
| Phenanthrene | 600 U | R | 1400 | 410 U | R | 1200 |
| Pyrene | 600 U | R | 3100 | 200 J | R | 2600 |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 6.1 U | R | 23 J | 3.2 U | 5.1 J | 4.9 J |
| 4,4'-DDE | 0.83 J | R | 28 | 3.2 U | 3.9 J | 30 |
| 4,4'-DDT | 6.1 U | R | 1.2 J | 3.2 U | R | 1.7 J |
| alpha-Chlordane | 6.1 U | R | 7.7 J | 1.6 U | R | 17 J |
| Aroclor 1248 | 61 U | R | 60 J | 32 U | R | 170 J |
| Aroclor 1260 | 61 U | R | 90 | 32 U | R | 190 |
| Dieldrin | 0.34 J | R | 0.33 J | 3.2 U | R | 0.94 J |
| Endosulfan sulfate | 6.1 U | R | 0.33 U | 3.2 U | R | 0.41 J |
| Endrin | 0.087 J | R | 1.3 J | 3.2 U | R | 1.1 J |
| Endrin aldehyde | 6.1 U | R | 2.4 J | 3.2 U | R | 3.6 J |
| gamma-Chlordane | 0.17 J | R | 1.9 J | 1.6 U | R | 26 J |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 3970 | 9650 J | 20300 | 16200 | 11200 J | 24100 |
| Antimony | 1.1 J | 11 J | 8.9 J | 26.9 | 8.3 J | 9.2 J |
| Arsenic | 34.9 | 279 J | 1180 | 1490 | 351 J | 839 |
| Barium | 12.3 | 24.8 J | 143 | 147 | 45.8 J | 169 |
| Beryllium | 0.44 U | 0.67 J | 1.8 | 1.4 J | 1.3 J | 2.3 |
| Cadmium | 1.9 | 13.8 J | 15.1 | 13 | 9.1 J | 16 |
| Calcium | 2960 | 8900 J | 7300 | 7850 | 12700 J | 6860 |
| Chromium | 109 J | 340 J | 3890 | 2140 | 423 J | 4340 |
| Cobalt | 3.5 | 14.2 J | 44.3 | 37.8 J | 16.7 J | 54.9 |
| Copper | 158 | 1130 J | 1010 | 854 | 787 J | 1310 |
| Iron | 4460 | 12200 J | 99600 | 120000 | 18500 J | 85100 |
| Lead | 55.4 | 429 J | 469 | 440 | 230 J | 678 |
| Magnesium | 711 | 934 J | 2780 | 2460 | 1150 J | 2930 |
| Manganese | 93 J | 270 J | 1630 | 1740 | 472 J | 1580 |
| Mercury | 0.68999 J | 5.7 J | 7.5 | 0.35 | 1.9 J | 5.5 |
| Nickel | 4.6 | 13 J | 42.5 | 24.3 | 16 J | 46.7 |
| Potassium | 197 | R | 894 | 694 J | 195 J | 1050 |
| Selenium | 1.8 | R | 8 J | 1 U | 8.7 J | 9 J |
| Silver | 0.66 U | R | 0.74 J | 1 U | R | 0.62 J |
| Sodium | 290 | 929 J | 648 U | 592 J | 1300 J | 551 U |
| Vanadium | 8.9 | 29.1 J | 76 | 56 J | 27.1 J | 95.9 |
| Zinc | 420 | 1240 J | 4020 | 2400 J | 2040 J | 3600 |

**TABLE 2-127**
**SEDIMENT DATA HITS TABLE - STATION 18**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-18-01-FW | SD-18-02-FW | SD-18-02-ME | SD-18-02-TR | SD-18-03-FW | SD-18-03-ME |
|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | NA | 256.907 J | NA | NA | 224.7 J |
| Cadmium | 2.3 | 10.9 J | 12.32 | 7.7952 | 16.1 J | 8.96 |
| Copper | 94.7 J | 433 J | 138.43 | 467.53145 | 225 J | 260.985 |
| Lead | 56.3 J | 388 J | 352.24 | 277.04712 | 182 J | 493.136 |
| Mercury | 0.01 U | 0.02 U | R | 1.9057 J | 0.01 U | R |
| Nickel | 95 U | 115 U | 27.5843 J | 13.762805 | 76.9 U | 35.8009 J |
| SEM/AVS Ratio | 1.2 | 0.52 | 1.4 | 6.12 | 0.19 | 1.64 |
| Sulfide | 247.17 | 2009.46 J | 548.91 | 153.438 | 6805.2 J | 510.39 |
| Zinc | 469 J | 1570 J | 1285.05 J | 1411.25352 | 2290 J | 1245.51 J |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | 259000 | 361000 J | 262000 | 423000 J | 262000 | 423000 J |

# TABLE 2-128
## SEDIMENT DATA HITS TABLE - STATION 19
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-19-01-FW | SD-19-01-ME | SD-19-01-TR | SD-19-02-FW | SD-19-03-FW |
|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | |
| 1,2-Dichloroethene(total) | 16 J | NA | NA | 18 J | R |
| 2-Butanone | 290 J | NA | R | 160 J | R |
| Acetone | R | NA | 310 J | R | R |
| cis-1,2-Dichloroethene | NA | 82 J | R | NA | NA |
| Trichloroethene | R | 42 J | R | R | R |
| SVOCs (ug/Kg) | | | | | |
| Acenaphthene | R | 3 J | 400 U | R | R |
| Acenaphthylene | R | 1 J | 400 U | R | R |
| Anthracene | R | 18 J | 400 U | R | R |
| Benzo(a)anthracene | 245 J | 130 J | 400 U | R | 200 J |
| Benzo(a)pyrene | 295 J | 160 J | 210 J | R | 270 J |
| Benzo(b)fluoranthene | 935 J | 290 J | 410 | R | 700 J |
| Benzo(g,h,i)perylene | R | 120 J | 400 U | R | R |
| Benzo(k)fluoranthene | 910 J | 200 J | 400 J | R | 680 J |
| bis(2-Ethylhexyl)phthalate | 570 J | NA | 400 U | R | 290 J |
| Chrysene | 365 J | 230 J | 210 J | R | 300 J |
| Dibenz(a,h)anthracene | R | 46 J | 400 U | R | R |
| Fluoranthene | 510 J | 410 J | 280 J | R | 420 J |
| Fluorene | R | 14 J | 400 U | R | R |
| Indeno(1,2,3-cd)pyrene | 180 J | 140 J | 400 U | R | R |
| Naphthalene | NA | 12 J | 400 U | NA | NA |
| Phenanthrene | R | 160 J | 400 U | R | R |
| Pyrene | 415 J | 340 J | 270 J | R | 340 J |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDD | 7.5 J | 9 | 3.1 U | 2.5 J | 11 J |
| 4,4'-DDE | 11 J | 3.2 | 1.6 J | 4.5 J | 20 J |
| 4,4'-DDT | 1.95 J | 0.33 U | 3.1 U | 3.4 J | 2.1 J |
| Aldrin | 0.67 J | 0.16 U | 1.6 U | R | R |
| alpha-BHC | R | 0.16 U | 1.6 U | 0.47 J | R |
| alpha-Chlordane | 4.65 J | 0.98 J | 1.6 U | 2.1 J | 4.6 J |
| Aroclor 1248 | R | 35 J | 31 U | R | R |
| Aroclor 1260 | R | 11 | 31 U | R | R |
| beta-BHC | 2.35 J | 0.16 U | 1.6 U | 2.2 J | R |
| Dieldrin | 4.85 J | 2.5 J | 3.1 U | 1.8 J | 3.8 J |
| Endosulfan I | 1.065 J | 0.44 J | 1.6 U | 0.72 J | R |
| Endrin | 5.05 J | 0.92 J | 3.1 U | 1.4 J | 3.5 J |
| Endrin aldehyde | 1.6 J | 0.33 U | 3.1 U | R | 2.4 J |
| gamma-Chlordane | 4.8 J | 0.59 J | 1.6 U | 2.7 J | 4.6 J |
| Metals (mg/Kg) | | | | | |
| Aluminum | 19750 J | 10100 | 7060 | 6240 J | 12800 J |
| Antimony | 23.15 J | 5.2 J | 16.4 | 3.9 J | 9.2 J |
| Arsenic | 3790 J | 182 | 4250 | 180 J | 1850 J |
| Barium | 123.1 J | 66.5 | 205 | 40.1 J | 55.4 J |
| Beryllium | 1.7 J | 2.9 | 0.68 J | R | 1.3 J |
| Cadmium | 12.85 J | 7.4 | 8.3 | 11.3 J | 18.9 J |
| Calcium | 7445 J | 11800 | 4120 | 13400 J | 7760 J |
| Chromium | 2335 J | 226 | 866 | 93.7 J | 1540 J |
| Cobalt | 45.05 J | 18.7 | 37.3 J | 12.8 J | 16.6 J |
| Copper | 1330 J | 557 | 354 | 98.6 J | 841 J |
| Iron | 163500 J | 19800 | 258000 | 14400 J | 89400 J |
| Lead | 639 J | 197 | 206 | 35.8 J | 326 J |
| Magnesium | 1945 J | 1300 | 1280 | 850 J | 1270 J |
| Manganese | 1160 J | 677 | 2020 | 412 J | 679 J |
| Mercury | 7.1 J | 0.98 | 0.11 U | 0.48 J | 1.6 J |
| Nickel | 33.55 J | 14.6 | 0.8 U | 11.1 J | 20.3 J |
| Potassium | 650.5 J | 342 U | R | 275 J | 434 J |
| Selenium | 13.05 J | 5.6 | 1 U | 2.5 J | 9.1 J |
| Sodium | 368 J | 706 U | 365 U | 458 J | 384 J |
| Vanadium | 92.65 J | 25.4 | 32.4 J | 10.5 J | 50.9 J |
| Zinc | 2960 J | 1080 | 1600 J | 1690 J | 2260 J |

**TABLE 2-128**
**SEDIMENT DATA HITS TABLE - STATION 19**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-19-01-FW | SD-19-01-ME | SD-19-01-TR | SD-19-02-FW | SD-19-03-FW |
|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | |
| Arsenic | NA | 38.948 J | NA | NA | NA |
| Cadmium | 9.55 | 5.6 U | 7.3696 | 9.3 | 18.3 |
| Copper | 798.5 J | 24.13 | 271.06245 | 797 J | 1540 J |
| Lead | 451 J | 124.32 | 175.82992 | 457 J | 548 J |
| Mercury | 0.01 U | R | 0.02006 J | 0.01 U | 0.05 J |
| Nickel | 257.8 J | 8.8035 J | 0.804053 | 334 J | 220 U |
| SEM/AVS Ratio | 0.865 | 1.55 | 4.01 | 1.0 | 3.1 |
| Sulfide | 1887.48 | 220.848 | 180.723 | 1726.98 | 590.64 |
| Zinc | 1985 J | 629.345 J | 1190.4762 | 2210 J | 1970 J |
| TOC/TCO (mg/Kg) | | | | | |
| Total Combustible Organics | 323500 | 686000 J | NA | 380000 | 363000 |
| Total Organic Carbon | NA | NA | 290000 J | NA | NA |

# TABLE 2-129
## SEDIMENT DATA HITS TABLE - STATION 20
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-20-01-FW | SD-20-01-ME | SD-20-02-FW | SD-20-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,2-Dichloroethene(total) | 15 J | NA | R | R |
| 2-Butanone | 107.5 J | NA | R | R |
| Acetone | 590 J | NA | 94 J | R |
| Carbon Disulfide | 19 J | NA | R | R |
| cis-1,2-Dichloroethene | NA | 562 J | NA | NA |
| Trichloroethene | R | 2025 J | R | R |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | R | 13 J | R | R |
| Acenaphthene | R | 6 J | R | R |
| Acenaphthylene | R | 6 J | R | R |
| Anthracene | R | 26 J | R | R |
| Benzo(a)anthracene | R | 210 | 1100 J | 1000 J |
| Benzo(a)pyrene | R | 290 J | 1200 J | 730 J |
| Benzo(b)fluoranthene | 915 J | 330 | 3700 J | 3700 J |
| Benzo(g,h,i)perylene | R | 210 J | R | R |
| Benzo(k)fluoranthene | R | 370 | R | R |
| bis(2-Ethylhexyl)phthalate | 2050 J | NA | 5900 J | 2500 J |
| Chrysene | R | 400 | 1400 J | 1500 J |
| Dibenz(a,h)anthracene | R | 97 J | R | R |
| Fluoranthene | 770 J | 720 | 3000 J | 2900 J |
| Fluorene | R | 36 J | R | R |
| Indeno(1,2,3-cd)pyrene | R | 210 J | 830 J | R |
| Naphthalene | NA | 14 J | NA | NA |
| Phenanthrene | R | 240 | 890 J | 650 J |
| Pyrene | R | 540 J | 2500 J | 1400 J |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 14 J | 8.4 J | 32 J | 26 J |
| 4,4'-DDE | 13 J | 4.4 | 32 J | 30 J |
| 4,4'-DDT | R | 4.6 J | R | R |
| alpha-Chlordane | 14.5 J | 12 J | 42 J | 49 J |
| Aroclor 1248 | R | 28 J | R | R |
| Aroclor 1260 | R | 79 | R | R |
| Dieldrin | R | 0.7 J | R | R |
| Endosulfan I | R | 0.16 U | 38 J | 42 J |
| Endrin | R | 0.97 J | R | R |
| Endrin aldehyde | R | 1.3 J | R | R |
| gamma-Chlordane | 11.9 J | 6.8 J | R | R |
| Heptachlor epoxide | R | 0.49 J | R | R |
| Metals (mg/Kg) | | | | |
| Aluminum | 18450 J | 13500 J | 26800 J | 29700 J |
| Antimony | 4.25 J | 3.8 J | 4 J | 5.4 J |
| Arsenic | 264.5 J | 236 | 321 J | 311 J |
| Barium | 57.25 J | 44.2 | 151 J | 112 J |
| Beryllium | 1.55 J | 1.2 J | 1.8 J | 2 J |
| Cadmium | 13.15 J | 15.3 | 17.3 J | 18.5 J |
| Calcium | 13150 J | 11100 | 9870 J | 10100 J |
| Chromium | 1450 J | 1090 J | 1860 J | 1450 J |
| Cobalt | 25.9 J | 28.3 J | 41.4 J | 46.3 J |
| Copper | 1075 J | 1060 | 888 J | 1030 J |
| Iron | 24100 J | 18500 J | 43800 J | 34900 J |
| Lead | 449.5 J | 450 J | 980 J | 1200 J |
| Magnesium | 2300 J | 1530 | 6030 J | 6720 J |
| Manganese | 901.5 J | 711 | 793 J | 511 J |
| Mercury | 1 J | 1.3 J | 2.6 J | 3.3 J |
| Nickel | 34.05 J | 27.5 J | 51.2 J | 57.7 J |
| Potassium | 569 J | 454 J | 1680 J | 2000 J |
| Selenium | 11.1 J | 3.3 J | 6.9 J | 7 J |
| Silver | R | 0.29 J | 1.6 J | R |
| Sodium | 900 J | 612 | 979 J | 922 J |
| Thallium | R | 0.44 UJ | R | 4.4 J |
| Vanadium | 49.8 J | 38.2 | 106 J | 115 J |
| Zinc | 1670 J | 2380 J | 3470 J | 3380 J |

**TABLE 2-129**
**SEDIMENT DATA HITS TABLE - STATION 20**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-20-01-FW | SD-20-01-ME | SD-20-02-FW | SD-20-03-FW |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Arsenic | NA | 83.888 J | NA | NA |
| Cadmium | 16.6 J | 10.08 J | 14.8 J | 13.2 |
| Copper | 550.5 J | 81.915 J | 594 J | 619 J |
| Lead | 383 J | 296.296 J | 733 J | 796 |
| Mercury | 0.02 U | 10.03 U | 0.01 U | 0.04 |
| Nickel | 137 U | 42.2568 J | 202 U | 41.4 U |
| SEM/AVS Ratio | 1.4 | 1.36 | 2.1 | 38 |
| Sulfide | 820.155 J | 568.17 | 850.65 J | 41.73 |
| Zinc | 1600 J | 1357.54 J | 2830 J | 2340 |
| TOC/TCO (mg/Kg) | | | | |
| Total Combustible Organics | 362000 | 441000 J | 234000 | 247000 |

# TABLE 2-130
# SEDIMENT DATA HITS TABLE - STATION 21
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-21-01-FW | SD-21-01-ME | SD-21-02-FW | SD-21-03-FW |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| Benzene | R | 22 J | R | R |
| Naphthalene | NA | 208.25 J | NA | NA |
| Trichloroethene | R | 19 J | R | R |
| SVOCs (ug/Kg) | | | | |
| 2-Methylnaphthalene | R | 140 | R | R |
| Acenaphthene | R | 67 J | R | R |
| Acenaphthylene | R | 38 J | R | R |
| Anthracene | R | 420 | R | R |
| Benzo(a)anthracene | R | 390 | R | R |
| Benzo(a)pyrene | R | 890 J | R | R |
| Benzo(b)fluoranthene | 3100 J | 980 | 740 J | R |
| Benzo(g,h,i)perylene | R | 710 J | R | R |
| bis(2-Ethylhexyl)phthalate | 3100 J | NA | 990 J | 3100 J |
| Chrysene | R | 940 | R | R |
| Dibenz(a,h)anthracene | R | 240 J | R | R |
| Fluoranthene | 2500 J | 1400 | 970 J | R |
| Fluorene | R | 240 | R | R |
| Indeno(1,2,3-cd)pyrene | R | 620 J | R | R |
| Naphthalene | NA | 1300 J | 2500 J | NA |
| Phenanthrene | R | 600 | R | R |
| Pyrene | 2400 J | 1300 | 620 J | R |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | 28 J | 35 J | R | 27 J |
| 4,4'-DDE | 36 J | 22 | R | 35 J |
| 4,4'-DDT | R | 4.4 J | R | R |
| alpha-Chlordane | 60 J | 29 | R | 62 J |
| Aroclor 1248 | R | 240 J | R | R |
| Aroclor 1260 | R | 420 | R | R |
| delta-BHC | R | 1.8 J | R | R |
| Endosulfan I | 68 J | 1.6 U | 14 J | 59 J |
| Endosulfan II | R | 5.2 | R | R |
| Endrin | 16 J | 3.6 J | R | R |
| Endrin aldehyde | R | 9 J | R | R |
| gamma-Chlordane | R | 19 J | R | 47 J |
| Metals (mg/Kg) | | | | |
| Aluminum | 18400 J | 11300 J | 8890 J | 16000 J |
| Antimony | R | 2 J | R | R |
| Arsenic | 187 J | 258 | 121 J | 135 J |
| Barium | 150 J | 181 | 55.3 J | 124 J |
| Beryllium | 1.1 J | 0.93 J | 0.68 J | 0.89 J |
| Cadmium | 17.3 J | 14.1 | 20.5 J | 18.8 J |
| Calcium | 7640 J | 8290 | 4920 J | 4990 J |
| Chromium | 2200 J | 5590 J | 489 J | 1320 J |
| Cobalt | 29.9 J | 26.9 J | 12.8 J | 22.9 J |
| Copper | 481 J | 613 | 324 J | 410 J |
| Iron | 28000 J | 20800 J | 11300 J | 27700 J |
| Lead | 722 J | 546 J | 187 J | 652 J |
| Magnesium | 4710 J | 2170 | 1250 J | 4330 J |
| Manganese | 247 J | 268 | 101 J | 215 J |
| Mercury | 17.5 J | 0.15 | 2.3 J | 18.2 J |
| Nickel | 46.8 J | 29.8 J | 17.9 J | 36.3 J |
| Potassium | 1330 J | 531 J | 245 J | 1050 J |
| Selenium | 3.5 J | 3.2 J | R | 3 J |
| Silver | R | 0.3 J | R | R |
| Sodium | 1240 J | 796 | 1010 J | 978 J |
| Vanadium | 77.3 J | 46.2 | 26.6 J | 64.4 J |
| Zinc | 3830 J | 4940 J | 2350 J | 3130 J |

**TABLE 2-130**
**SEDIMENT DATA HITS TABLE - STATION 21**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-21-01-FW | SD-21-01-ME | SD-21-02-FW | SD-21-03-FW |
|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | |
| Arsenic | NA | 14.231 J | NA | NA |
| Cadmium | 13.9 J | 10.08 UJ | 14.7 J | 8.8 J |
| Copper | 348 J | 3.175 UJ | 318 J | 226 J |
| Lead | 548 J | 348.096 J | 276 J | 421 J |
| Mercury | 0.18 J | 10.03 U | 0.08 J | 0.08 J |
| Nickel | 34.9 U | 9.9773 J | 22.6 U | 21.4 U |
| SEM/AVS Ratio | 11 | 0.99 | 4.1 | 18 |
| Sulfide | 170.13 J | 898.8 | 481.5 J | 57.78 J |
| Zinc | 3150 J | 1693.63 J | 3620 J | 1760 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 288000 | NA | 441000 | 244000 |
| Total Combustible Organics | NA | 344000 J | NA | NA |

# TABLE 2-131
## SEDIMENT DATA HITS TABLE - STATION 22/TT-22
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-22-01-FW | SD-22-01-TR | SD-22-02-FW | SD-22-02-ME | SD-22-03-FW | SD-TT-22-01 | SD-TT-22-02 | SD-TT-22-03 |
|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | |
| Acetone | R | 2400 J | 26 U | NA | R | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | R | NA | 73 J | NA | NA | NA | NA |
| Methylene Chloride | R | 150 U | 28 J | 205 U | 100 J | NA | NA | NA |
| Tetrachloroethene | 410 J | R | 120 | 3164 | 830 J | NA | NA | NA |
| Trichloroethene | 21 J | R | 26 U | 803 | 200 J | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | |
| 2-Methylnaphthalene | R | 540 U | 870 U | 13 J | R | NA | NA | NA |
| Acenaphthene | R | 540 U | 870 U | 11 J | R | NA | NA | NA |
| Acenaphthylene | R | 540 U | 870 U | 12 J | R | NA | NA | NA |
| Anthracene | R | 540 U | 870 U | 46 J | R | NA | NA | NA |
| Benzo(a)anthracene | R | 540 U | 870 U | 300 | R | NA | NA | NA |
| Benzo(a)pyrene | R | R | 870 U | 200 | R | NA | NA | NA |
| Benzo(b)fluoranthene | 430 J | 540 U | 870 U | 440 | R | NA | NA | NA |
| Benzo(g,h,i)perylene | R | 540 U | 870 U | 190 | R | NA | NA | NA |
| Benzo(k)fluoranthene | R | 540 J | 870 U | 290 | R | NA | NA | NA |
| Chrysene | R | 540 U | 870 U | 400 | R | NA | NA | NA |
| Dibenz(a,h)anthracene | R | 540 U | 870 U | 44 J | R | NA | NA | NA |
| Fluoranthene | 530 J | 540 U | 260 J | 840 | R | NA | NA | NA |
| Fluorene | R | 540 U | 870 U | 26 J | R | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | R | 540 U | 870 U | 220 | R | NA | NA | NA |
| Naphthalene | NA | 540 U | 870 U | 25 J | NA | NA | NA | NA |
| Phenanthrene | R | 540 U | 870 U | 490 | R | NA | NA | NA |
| Pyrene | R | 540 U | 870 U | 610 | R | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | R | 4.5 U | 8.7 UJ | 9.6 J | R | NA | NA | NA |
| 4,4'-DDE | 30 J | 4.5 U | 8.3 J | 31 | R | NA | NA | NA |
| 4,4'-DDT | R | 4.5 U | 8.7 UJ | 2.7 J | R | NA | NA | NA |
| alpha-Chlordane | R | 2.3 U | 4.5 UJ | 1.2 J | R | NA | NA | NA |
| Aroclor 1248 | R | 45 U | 87 UJ | 8.1 J | R | NA | NA | NA |
| Aroclor 1260 | R | 45 U | 87 UJ | 29 | R | NA | NA | NA |
| delta-BHC | R | 2.3 U | 4.5 UJ | 0.16 J | R | NA | NA | NA |
| Dieldrin | R | 4.5 U | 8.7 UJ | 0.38 J | R | NA | NA | NA |
| Endosulfan I | 4.3 J | 2.3 U | 2.5 J | 0.18 J | 4.4 J | NA | NA | NA |
| Endosulfan II | R | 4.5 U | 8.7 UJ | 0.48 J | R | NA | NA | NA |
| Endrin aldehyde | R | 4.5 U | 8.7 UJ | 3.3 J | R | NA | NA | NA |
| gamma-Chlordane | R | 2.3 U | 4.5 UJ | 0.19 J | R | NA | NA | NA |
| Heptachlor epoxide | 4.9 J | 2.3 U | 2.3 J | 0.29 J | R | NA | NA | NA |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 6030 J | 3010 | 3560 | 2700 J | 3520 J | 2560 | 3110 | 13200 |
| Antimony | R | 38.2 | 2.1 U | 8 J | R | 329 J | 42 J | 0.94 J |
| Arsenic | R | 12.6 | 3.7 U | 6.6 | R | 87.3 J | 5.2 J | 13.9 J |
| Barium | 50 J | 48.1 | 29.8 | 32.9 | 51.4 J | 49.1 | 20.3 | 49.7 |
| Beryllium | 1.1 J | 0.31 J | 0.48 | 0.48 J | 0.4 J | 0.24 | 0.2 | 0.7 |
| Cadmium | 0.62 J | 1 | 0.2 | 0.61 | R | 1.5 J | 1.7 J | 1.5 J |
| Calcium | 20000 J | 19300 | 13600 | 19600 | 30500 J | 17500 | 4480 | 7570 |
| Chromium | 35.3 J | 10.6 | 12 | 11.7 J | 10.7 J | 7.1 J | 85.3 J | 27.1 J |
| Cobalt | 3.2 J | 2.5 | 1.4 | 2.7 J | 2 J | 2.4 | 1.3 | 7 |
| Copper | 22.1 J | 29.5 | 12.2 | 26 | 17.1 J | 29.6 J | 9.6 J | 37.5 J |
| Iron | 4700 J | 3310 | 2310 J | 2710 J | 3430 J | 2970 | 2630 | 11900 |
| Lead | 601 J | 3880 | 967 J | 3970 J | 383 J | 41000 J | 2840 J | 481 J |
| Magnesium | 1390 J | 1510 | 861 | 1370 | 1790 J | 1270 | 735 | 4460 |
| Manganese | 100 J | 51.8 | 34.4 J | 36.7 | 74.1 J | 39.8 J | 34.8 J | 194 J |
| Mercury | R | 0.03 U | 0.1 UJ | 0.5 | R | 0.14 J | 0.05 J | 0.15 |
| Nickel | 8 J | 7.4 | 4.4 | 9.2 J | 6.3 J | 4.8 | 3.9 | 18 |
| Potassium | 467 J | 303 J | 388 | 260 J | 287 J | 200 | 134 J | 1360 |
| Selenium | 7.5 J | 1.9 J | 2.3 | 8.1 J | 5.9 J | 2 U | 1 U | 2.3 J |
| Silver | R | 1 U | 0.87 | 0.22 J | R | 3.3 J | R | R |
| Sodium | 567 J | 1320 | 204 | 546 | 420 J | 700 J | 827 J | 992 J |
| Vanadium | 35.3 J | 41.6 | 12.6 | 38.8 | 29.4 J | 32.4 | 8.5 | 50.1 |
| Zinc | 59.8 J | 111 J | 23 | 34.2 J | 34.5 J | 66.2 J | 106 J | 122 J |

**TABLE 2-131**
**SEDIMENT DATA HITS TABLE - STATION 22/TT-22**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-22-01-FW | SD-22-01-TR | SD-22-02-FW | SD-22-02-ME | SD-22-03-FW | SD-TT-22-01 | SD-TT-22-02 | SD-TT-22-03 |
|---|---|---|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | | | | |
| Cadmium | 0.56 J | 0.5936 J | 0.23 J | 5.6 U | 0.37 U | NA | NA | NA |
| Copper | 17.1 U | 12.1158 | 41.7 J | 33.655 J | 44.2 U | NA | NA | NA |
| Lead | 525 J | 1621.58864 | 998 J | 4226.88 J | 258 J | NA | NA | NA |
| Mercury | 0.01 U | 0.44132 J | 0.01 U | 10.03 U | 0.01 U | NA | NA | NA |
| Nickel | 19.9 U | 5.446432 | 147 J | 20.5415 J | 73.2 U | NA | NA | NA |
| SEM/AVS Ratio | 0.64 | 4.82 | 2.8 | 467.6 | 1.3 | NA | NA | NA |
| Sulfide | 173.34 J | 9.309 | 96.3 J | 1.605 U | 44.94 J | NA | NA | NA |
| Zinc | 61.7 J | 72.54168 | 24.1 J | 138.39 J | 36.2 J | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | 693000 J | NA | NA | NA | NA |
| Total Organic Carbon | 371000 | 430000 J | 198000 | NA | 514000 | NA | NA | NA |
| Wet Parameters | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | 5.95 |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | 324 |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | 52.3 J |

**TABLE 2-132**
**SEDIMENT DATA HITS TABLE - STATION AM**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AM-01 |
|---|---|
| Metals (mg/Kg) | |
| Aluminum | 7500 |
| Antimony | 2 J |
| Arsenic | 121 |
| Barium | 58.4 |
| Beryllium | 0.64 |
| Cadmium | 3.9 |
| Calcium | 3480 J |
| Chromium | 322 |
| Cobalt | 20.3 |
| Copper | 197 |
| Cyanide | 0.85 J |
| Iron | 23400 J |
| Lead | 150 |
| Magnesium | 2010 |
| Manganese | 1140 J |
| Mercury | 1.9 |
| Nickel | 18 J |
| Potassium | 497 |
| Selenium | 1.1 J |
| Sodium | 231 J |
| Thallium | 0.44 J |
| Vanadium | 26.9 |
| Zinc | 941 |

**TABLE 2-133**
**SEDIMENT DATA HITS TABLE - STATION AS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AS-01 | SD-AS-02 |
|---|---|---|
| Metals (mg/Kg) | | |
| Aluminum | 15700 | 18800 |
| Antimony | 2.15 J | 2.9 J |
| Arsenic | 111 | 121 |
| Barium | 95.85 | 109 |
| Beryllium | 0.895 | 1.1 |
| Cadmium | 10.6 | 13.3 |
| Calcium | 5740 J | 6120 J |
| Chromium | 576.5 | 918 |
| Cobalt | 21 | 19.7 |
| Copper | 444.5 | 576 |
| Cyanide | 3.8 J | 1.5 J |
| Iron | 27850 J | 29200 J |
| Lead | 484 | 661 |
| Magnesium | 4435 | 5130 |
| Manganese | 378.5 J | 384 J |
| Mercury | 3.05 | 3.1 |
| Nickel | 35 J | 39.4 J |
| Potassium | 963.5 | 1180 |
| Selenium | 1.95 J | 1.8 J |
| Silver | 0.605 J | 0.76 J |
| Sodium | 462 | 562 |
| Thallium | 0.95 J | 1.2 J |
| Vanadium | 59 | 72.6 |
| Zinc | 2085 | 2290 |

**TABLE 2-134**
**SEDIMENT DATA HITS TABLE -STATION BW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-BW-01 | SD-BW-02 | SD-BW-03 | SD-BW-04 | SD-BW-05 |
|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | |
| Aluminum | 19250 | 15700 | 16000 | 18900 | 15500 |
| Antimony | 19.75 J | 11.1 J | 12.5 | 11.8 | 11.5 |
| Arsenic | 656 J | 772 J | 1360 J | 725 J | 689 J |
| Barium | 81.9 | 181 | 144 J | 117 J | 173 J |
| Beryllium | 1.35 | 1.2 | 1.3 | 1.4 | 1.1 |
| Cadmium | 10.75 J | 12.2 J | 6 | 10.9 | 11.9 |
| Calcium | 10200 | 5210 | 5990 | 9350 | 6610 |
| Chromium | 2305 | 720 | 934 J | 1440 J | 1590 J |
| Cobalt | 27.45 | 40.7 | 53.6 | 23.6 | 57.5 |
| Copper | 836 | 535 | 550 J | 743 J | 648 J |
| Iron | 54850 | 121000 | 189000 | 88300 | 127000 |
| Lead | 570.5 | 405 | 457 | 513 | 455 |
| Magnesium | 4035 | 3450 | 3440 | 4390 | 3560 |
| Manganese | 521 | 1510 | 1530 J | 696 J | 1180 J |
| Mercury | 2.3 J | 3 J | 1.4 | 3.6 | 1.8 |
| Nickel | 33.7 | 32.6 | 38 | 37.6 | 46.9 |
| Potassium | 975.5 | 1160 | 747 J | 1010 J | 799 J |
| Selenium | 5.3 J | 6.1 J | 11.5 J | 8.8 J | 9.4 J |
| Silver | 0.94 | 2.5 | 1.3 | 2.2 | 1.4 |
| Sodium | 883.5 J | 939 J | 959 J | 1860 J | 1000 J |
| Thallium | 3.85 J | 6.7 J | 18.1 J | 8 J | 12 J |
| Vanadium | 82.9 | 65.2 | 73.6 | 79.9 | 74.8 |
| Zinc | 1780 | 1710 | 1620 | 1810 | 3050 |

**TABLE 2-134**
**SEDIMENT DATA HITS TABLE -STATION BW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-BW-01 | SD-BW-02 | SD-BW-03 | SD-BW-04 | SD-BW-05 |
|---|---|---|---|---|---|
| AVS-SEM (mg/Kg) | | | | | |
| Arsenic | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA |
| Total Organic Carbon | 160000 | 177000 | 138000 | 160000 | 173000 |

**TABLE 2-135**
**SEDIMENT DATA HITS TABLE - STATION CB-01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-01-01 | SD-CB-01-02 | SD-CB-01-03 | SD-CB-01-04 | SD-CB-01-05 | SD-CB-01-06 | SD-CB-01-07 | SD-CB-01-08 | SD-CB-01-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 4230 | 16000 | 13900 J | 21100 J | 7600 J | 11300 J | 14800 J | 11400 J | 6730 J |
| Antimony | 2 UJ | 1.5 UJ | 1.5 UJ | 1.5 UJ | 0.77 J | 0.57 UJ | 4 J | 1.7 J | 0.87 UJ |
| Arsenic | 31.8 | 80.8 | 45.2 J | 98.7 J | 18.65 J | 12.5 J | 35 J | 44.5 J | 8.2 J |
| Barium | 16.3 U | 46.3 | 25.6 | 22.2 | 19.35 | 13.9 U | 86.9 | 46.5 | 35.3 |
| Beryllium | 0.33 | 1.2 | 1.3 | 2 | 0.35 | 0.75 | 1.9 | 0.72 | 0.52 |
| Cadmium | 1.8 J | 16.1 J | 10.6 J | 5.2 J | 1.7 J | 1.1 J | 5.5 J | 1.8 J | 1.6 J |
| Calcium | 3810 | 9550 | 6770 | 8250 | 1345 | 805 | 3680 | 4020 | 7220 |
| Chromium | 75.4 | 584 | 490 J | 347 J | 62.9 J | 42.7 J | 216 J | 244 J | 27.5 J |
| Cobalt | 3.1 | 33.4 | 2.8 | 3.9 | 2.45 | 5.6 | 2.3 | 3.8 | 0.79 |
| Copper | 87.6 | 513 | 1000 J | 1090 J | 122.5 J | 102 J | 438 J | 368 J | 58.1 J |
| Iron | 9250 | 27200 | 8320 | 27200 | 6670 | 4250 | 5650 | 8100 | 4550 |
| Lead | 146 J | 648 J | 490 J | 563 J | 171 J | 88.1 J | 532 J | 244 J | 75 J |
| Magnesium | 1000 | 3270 | 1650 | 1730 | 555 | 968 | 1280 | 1130 | 1020 |
| Manganese | 51.5 | 155 | 145 J | 719 J | 96.85 J | 617 J | 70.1 J | 84 J | 185 J |
| Mercury | 0.28 | 1.5 | 3.6 J | 4.8 J | 0.67 J | 0.35 J | 1.4 J | 2 J | 0.28 J |
| Nickel | 5.3 J | 31.8 J | 5.7 | 5.5 | 6.15 J | 7.5 | 7.8 | 10.9 | 4 |
| Potassium | 219 U | 648 U | 346 | 371 | 121 | 170 | 257 | 197 | 230 |
| Selenium | 2.4 J | 5.6 J | 4.2 J | 8.3 J | 1.7 J | 1.8 J | 5.1 J | 3.9 J | 1.2 J |
| Sodium | 598 | 2160 | 1420 | 791 | 491 | 278 | 1290 | 644 | 532 |
| Thallium | 0.61 U | 2.8 J | 1 U | 3.1 | 0.425 J | 1 | 0.86 U | 0.61 U | 0.58 U |
| Vanadium | 24.4 | 111 | 57.5 | 29.7 | 34.8 | 21.9 | 114 | 60 | 23.8 |
| Zinc | 58.4 | 1190 | 813 | 235 | 318.5 | 91.7 | 738 | 219 | 136 |
| Wet Parameters | | | | | | | | | |
| pH | NA | NA | NA | NA | 5.785 | NA | NA | NA | 5.98 |
| Redox Potential | NA | NA | NA | NA | 281.5 | NA | NA | NA | 324 |
| Sulfide | NA | NA | NA | NA | 91.2 J | NA | NA | NA | 123 J |

**TABLE 2-135**
**SEDIMENT DATA HITS TABLE - STATION CB-01**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-01-10 |
|---|---|
| Metals (mg/Kg) | |
| Aluminum | 11800 J |
| Antimony | 2 J |
| Arsenic | 37.3 J |
| Barium | 105 |
| Beryllium | 1 |
| Cadmium | 6.3 J |
| Calcium | 13300 |
| Chromium | 83 J |
| Cobalt | 2.3 |
| Copper | 111 J |
| Iron | 9400 |
| Lead | 217 J |
| Magnesium | 2660 |
| Manganese | 1260 J |
| Mercury | 0.44 J |
| Nickel | 7.1 |
| Potassium | 785 |
| Selenium | 2.9 J |
| Sodium | 1130 |
| Thallium | 1.3 J |
| Vanadium | 58.4 |
| Zinc | 421 |
| | |
| Wet Parameters | |
| pH | NA |
| Redox Potential | NA |
| Sulfide | NA |

**TABLE 2-136**
**SEDIMENT DATA HITS TABLE - STATION CB-02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-02-01 | SD-CB-02-02 | SD-CB-02-03 | SD-CB-02-04 | SD-CB-02-05 | SD-CB-02-06 | SD-CB-02-07 | SD-CB-02-08 | SD-CB-02-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8170 | 4630 | 3380 | 4680 | 4340 | 3130 | 4670 | 3900 | 1865 |
| Antimony | 1.5 J | 0.89 J | 2 J | 1.7 J | 1.9 J | 2 J | 2 J | 1.1 J | 1 J |
| Arsenic | 18.5 J | 11.4 J | 55.5 J | 16.3 J | 24.7 J | 56.2 J | 45.3 J | 21 J | 7.55 J |
| Barium | 55.7 | 13.6 | 23.8 | 16.4 | 29.6 | 23.6 | 389 | 52.7 | 125 |
| Beryllium | 0.49 | 0.3 | 0.2 | 0.29 | 0.25 | 0.23 | 0.34 | 0.28 | 0.16 |
| Cadmium | 5.8 J | 3.6 J | 2.65 J | 3.1 J | 0.91 J | 4.1 J | 3.2 J | 2 J | 2.75 J |
| Calcium | 5310 | 2950 | 7180 | 4430 | 2540 | 1320 | 1730 | 3190 | 11650 |
| Chromium | 248 J | 151 J | 79.6 J | 145 J | 122 J | 60.3 J | 94.9 J | 53.7 J | 17.9 J |
| Cobalt | 3.6 | 3.1 | 6.5 | 5.8 | 3.6 | 1.2 | 2.7 | 3.8 | 7.45 |
| Copper | 168 | 92 | 63.25 J | 76.2 | 59.4 J | 57.8 J | 84.1 J | 55.6 J | 38.3 J |
| Iron | 7190 | 3960 | 6630 | 5040 | 9640 | 5470 | 5320 | 6850 | 4565 |
| Lead | 191 | 87.1 | 81.95 | 112 | 67.4 | 75.5 J | 342 J | 67 J | 73.8 J |
| Magnesium | 2020 | 1130 | 750 | 1380 | 1370 | 460 | 846 | 1180 | 921 |
| Manganese | 64.7 J | 34.6 J | 51.3 J | 34.5 J | 108 J | 38.9 J | 43.2 J | 55.5 J | 87.9 J |
| Mercury | 0.58 | 0.12 | 0.175 | 0.21 | 0.34 | 0.3 | 0.18 | 0.15 | 0.19 J |
| Nickel | 11 J | 6.4 J | 7.05 J | 12.8 J | 7.2 J | 2.1 | 8.2 | 8.1 | 9.7 |
| Potassium | 554 | 276 | 236 | 298 | 268 | 174 | 199 | 310 | 195.5 |
| Selenium | 3.1 J | 2.1 J | 1.7 U | 2.5 J | 1.3 J | 2.8 U | 1.3 U | 1.1 J | 2 U |
| Sodium | 785 | 503 | 694.5 J | 904 | 500 | 700 J | 930 J | 748 J | 1290 J |
| Vanadium | 32.3 | 20 | 26.75 | 45.6 | 22.3 | 19.4 | 25.2 | 18.5 | 19.25 |
| Zinc | 132 J | 135 J | 214.5 J | 292 J | 142 J | 204 J | 409 J | 278 J | 450 J |
| Wet Parameters | | | | | | | | | |
| pH | NA | NA | 5.95 | NA | NA | NA | NA | NA | 5.67 |
| Redox Potential | NA | NA | 246 | NA | NA | NA | NA | NA | 374 |
| Sulfide | NA | NA | 231 J | NA | NA | NA | NA | NA | 112 J |

**TABLE 2-136**
**SEDIMENT DATA HITS TABLE - STATION CB-02**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-02-10 |
|---|---|
| Metals (mg/Kg) | |
| Aluminum | 5620 |
| Antimony | 1.3 J |
| Arsenic | 14.6 J |
| Barium | 55.6 |
| Beryllium | 0.33 |
| Cadmium | 2.8 J |
| Calcium | 3330 |
| Chromium | 88.2 J |
| Cobalt | 4.6 |
| Copper | 58.1 J |
| Iron | 4470 |
| Lead | 90.8 J |
| Magnesium | 1310 |
| Manganese | 41.3 J |
| Mercury | 0.16 |
| Nickel | 10.2 |
| Potassium | 375 |
| Selenium | 0.97 U |
| Sodium | 1400 J |
| Vanadium | 37.2 |
| Zinc | 243 J |
| Wet Parameters | |
| pH | NA |
| Redox Potential | NA |
| Sulfide | NA |

**TABLE 2-137**
**SEDIMENT DATA HITS TABLE - STATION CB-03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-03-01 | SD-CB-03-02 | SD-CB-03-03 | SD-CB-03-04 | SD-CB-03-05 | SD-CB-03-06 | SD-CB-03-07 | SD-CB-03-08 | SD-CB-03-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 16100 J | 4050 J | 5850 J | 5530 | 10400 J | 12800 | 11200 | 15000 | 9390 |
| Antimony | 0.64 UJ | 0.43 UJ | 0.48 UJ | 0.54 UJ | 4.5 J | 4.2 J | 3.5 UJ | 4.8 J | 0.86 UJ |
| Arsenic | 44 J | 9.1 J | 19.8 J | 13.9 | 111 J | 510 | 117 | 233 | 483 |
| Barium | 30.7 J | 21 | 20.7 | 20.95 | 86.7 J | 93.6 J | 36.6 | 95.5 | 64.9 J |
| Beryllium | 0.5 | 0.2 | 0.26 | 0.31 | 0.71 J | 0.91 | 0.61 | 0.85 | 0.77 |
| Cadmium | 3.3 J | 1.1 J | 1.2 J | 0.77 J | 17.5 J | 23.1 J | 5.7 J | 6.4 J | 12 J |
| Calcium | 3240 | 1980 | 1680 | 1505 | 8550 J | 7700 | 4670 | 11100 | 9000 |
| Chromium | 153 J | 38.7 J | 43.5 J | 59.55 | 672 J | 768 | 514 | 646 | 751 |
| Cobalt | 9.7 J | 5.9 | 5.7 | 4.35 | 13.4 J | 130 J | 6 | 14.4 | 7.9 J |
| Copper | 124 J | 29.2 J | 36.3 J | 40.55 | 580 J | 670 J | 396 | 332 | 325 J |
| Iron | 17900 | 8230 | 9890 | 8930 | 11400 J | 66100 | 11100 | 43400 | 66400 |
| Lead | 114 J | 27.4 J | 28.1 J | 24.4 J | 434 J | 443 J | 296 J | 301 J | 260 J |
| Magnesium | 2030 | 1720 | 2270 | 2590 | 2740 J | 3320 | 3290 | 4950 | 2410 |
| Manganese | 113 J | 233 J | 242 J | 88.8 | 348 J | 581 | 91.2 | 353 | 212 J |
| Mercury | 0.22 J | 0.058 J | 0.065 J | 0.1105 J | 1.5 J | 2.9 | 2.9 | 1.1 | 0.7 |
| Nickel | 17 | 8.7 | 10.7 | 10.8 J | 31.6 J | 78.3 J | 18.4 J | 38.9 J | 26.2 J |
| Potassium | 370 J | 387 | 466 | 382 U | 595 UJ | 851 UJ | 690 U | 1160 U | 547 UJ |
| Selenium | 2.5 J | 0.69 J | 1 J | 1.5 J | R | 8.8 | 2.8 J | 5.4 J | 6.6 |
| Silver | 0.43 U | 0.29 U | 0.32 U | 0.11 U | R | 3.2 J | 0.15 U | 0.4 U | R |
| Sodium | 989 | 326 | 391 | 657 | 6240 J | 8880 J | 1440 | 2830 | 1330 J |
| Thallium | 1.5 J | 1.2 | 1.4 | 0.48 U | R | 1.7 U | 0.63 U | 1.7 U | 0.86 U |
| Vanadium | 25.4 J | 13.5 | 16.1 | 19.55 | 63.6 J | 66.2 J | 54.8 | 97.4 | 97.4 J |
| Zinc | 597 | 135 | 181 | 196 | 2430 J | 5270 | 645 | 1260 | 537 J |
| Wet Parameters | | | | | | | | | |
| pH | NA | NA | NA | 5.44 | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | 367 | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | 29.6 J | NA | NA | NA | NA | NA |

**TABLE 2-137**
**SEDIMENT DATA HITS TABLE - STATION CB-03**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-03-10 | SD-CB-03-11 | SD-CB-03-12 |
|---|---|---|---|
| Metals (mg/Kg) | | | |
| Aluminum | 7080 | 6210 | 7560 |
| Antimony | 1.3 UJ | 1.1 UJ | 0.92 UJ |
| Arsenic | 131 | 1410 | 188 |
| Barium | 29.3 | 52.4 J | 65.8 |
| Beryllium | 0.44 | 0.47 | 0.46 |
| Cadmium | 4.4 J | 10 J | 3.2 J |
| Calcium | 4080 | 6600 | 3410 |
| Chromium | 718 | 702 | 415 |
| Cobalt | 10.3 J | 7 J | 16.3 J |
| Copper | 195 J | 237 J | 263 J |
| Iron | 15100 | 86500 | 27000 |
| Lead | 114 J | 166 J | 149 J |
| Magnesium | 1610 | 1780 | 2200 |
| Manganese | 43.6 J | 105 J | 986 |
| Mercury | 0.81 | 0.65 | 3.6 |
| Nickel | 14.7 J | 34.1 J | 17.2 J |
| Potassium | 318 UJ | 426 UJ | 300 UJ |
| Selenium | 2 J | 6.8 | 3.5 |
| Silver | 0.12 U | R | R |
| Sodium | 1020 J | 1920 J | 1200 J |
| Thallium | 0.52 U | 0.92 U | 0.51 U |
| Vanadium | 34.2 J | 49.9 J | 26.3 J |
| Zinc | 568 | 1230 J | 724 |
| | | | |
| Wet Parameters | | | |
| pH | 6.28 | NA | NA |
| Redox Potential | 248 | NA | NA |
| Sulfide | 163 J | NA | NA |

**TABLE 2-138**
**SEDIMENT DATA HITS TABLE - STATION CB-04**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-04-01 | SD-CB-04-02 | SD-CB-04-03 | SD-CB-04-04 | SD-CB-04-05 | SD-CB-04-06 | SD-CB-04-07 | SD-CB-04-08 | SD-CB-04-09 | SD-CB-04-10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | |
| Aluminum | 13000 | 8730 | 13800 | 4670 | 10600 | 9840 | 9090 | 7420 | 10300 | 6920 |
| Antimony | 2.1 | 7.2 | 4.4 | 0.67 J | 3.2 J | 3.15 | 1.3 | 3.3 | 6.7 | 3.5 |
| Arsenic | 81.1 | 89.8 | 48.8 | 16.5 | 88.6 | 325.5 | 43.7 | 129 | 151 | 141 |
| Barium | 70.1 | 67 | 72.7 | 20.9 | 109 | 37.75 | 35.8 | 41.4 | 84.6 | 72.3 |
| Beryllium | 1 | 0.63 J | 0.97 | 0.25 J | 0.79 J | 0.55 | 0.38 J | 0.33 J | 0.77 | 0.55 |
| Cadmium | 7.1 | 2.4 | 2.3 | 0.68 | 8.9 | 1.55 | 0.41 | 3.2 | 7.2 | 5.8 |
| Calcium | 6370 | 6440 | 4460 | 2070 | 11200 | 2505 | 3380 | 3030 | 10400 | 8920 |
| Chromium | 129 | 132 | 568 | 74 | 203 | 224.5 | 35.2 | 79.7 | 119 | 107 |
| Cobalt | 8.4 | 11.3 | 9.7 | 5.6 | 18.9 | 6.25 | 6.5 | 5.3 | 7.9 | 7.8 |
| Copper | 161 | 358 | 329 | 47.7 | 247 | 173 | 60.3 | 119 | 201 | 150 |
| Iron | 10300 | 86200 | 15300 | 7950 | 20400 | 39000 | 14200 | 12400 | 8820 | 25100 |
| Lead | 292 | 248 | 409 | 59.6 | 358 | 171 | 123 | 108 | 199 | 117 |
| Magnesium | 1520 | 1240 | 2650 | 1960 | 3210 | 2765 | 3680 | 2310 | 2260 | 1740 |
| Manganese | 199 | 181 | 311 | 281 | 2410 | 144.5 | 140 | 123 | 72.5 | 177 |
| Mercury | 0.49 | 2.2 | 1.2 | 0.22 | 0.8 | 1.05 | 0.33 | 0.18 | 0.46 | 0.34 |
| Nickel | 19.7 | 48.4 | 177 | 10.1 | 35.4 | 59.55 | 12.4 | 11.9 | 21 | 17.7 |
| Potassium | 438 | 353 | 426 | 305 | 642 | 673 | 1160 | 664 | 608 | 496 |
| Selenium | 2.9 | 4.5 | 3.3 | 0.58 U | 4.4 | 2.6 J | 0.95 J | 2.7 | 3.5 | 5.1 J |
| Silver | 0.29 J | 11.5 | 0.2 U | 0.19 U | 0.53 U | 0.25 J | 0.2 U | 0.2 U | 0.23 J | 0.24 J |
| Sodium | 726 | 838 J | 682 | 324 | 1870 | 564.5 | 465 | 435 | 467 | 562 |
| Thallium | 0.59 U | 5.3 | 0.6 U | 0.58 U | 1.6 U | 3.1 | 0.61 U | 0.6 U | 0.6 U | 0.61 U |
| Vanadium | 77.9 | 72.1 | 85.4 | 18.5 | 63 | 35.35 | 34.5 | 36.6 | 72.1 | 57.6 |
| Zinc | 508 | 853 | 8750 | 201 | 970 | 307.5 | 112 | 474 | 1120 | 679 |
| TOC/TCO (mg/Kg) | | | | | | | | | | |
| Total Organic Carbon | 298000 | 276000 | 171000 | 44300 | 202000 | 95200 | 96500 | 130000 | 180000 | 247000 |

**TABLE 2-139**
**SEDIMENT DATA HITS TABLE - STATION CB-06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-04-01 | SD-CB-04-02 | SD-CB-04-03 | SD-CB-04-04 | SD-CB-04-05 | SD-CB-04-06 | SD-CB-04-07 | SD-CB-04-08 | SD-CB-04-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 10700 | 8860 | 5430 | 4130 | 6840 | 8000 | 6520 | 10800 | 4540 |
| Antimony | 1.8 U | 1.7 U | 7.8 | 1.9 U | 1.8 U | 2.2 J | 1.8 U | 1.8 U | 1.8 U |
| Arsenic | 65.5 J | 83.8 J | 257 J | 24.9 J | 167 J | 97.7 J | 45 J | 134 J | 22.4 J |
| Barium | 46.3 | 35 | 50.4 | 8.4 | 59.1 | 59.1 | 59.5 | 43.9 | 15 |
| Beryllium | 0.66 | 0.41 | 0.33 J | 0.22 U | 0.22 J | 0.23 | 0.2 U | 0.47 | 0.2 U |
| Cadmium | 34.6 | 4.9 | 10.6 | 0.88 | 4.4 | 11 | 11.2 | 4.9 | 1 |
| Calcium | 11400 | 8370 | 15300 | 1260 | 11200 | 8280 | 5910 | 3540 | 1780 |
| Chromium | 969 | 416 | 214 | 31.8 | 152 | 312 | 259 | 178 | 59.1 |
| Cobalt | 9 | 12.7 | 11.3 | 3.3 | 5.2 | 6.9 | 25 | 10 | 3.2 |
| Copper | 386 | 209 | 172 | 39.9 | 132 | 238 | 176 | 188 | 53.1 |
| Iron | 8690 | 11600 | 15600 | 5580 | 16100 | 13400 | 7280 | 26800 | 7980 |
| Lead | 328 | 224 | 149 | 19.9 | 91.4 | 166 | 133 | 138 | 39.6 |
| Magnesium | 2950 | 2330 | 2110 | 1470 | 2120 | 2230 | 1910 | 2060 | 1640 |
| Manganese | 81.4 J | 64.9 J | 56.6 J | 50 J | 133 J | 66.9 J | 74 J | 107 J | 61.4 J |
| Mercury | 0.53 | 0.27 | 0.15 | 0.04 U | 0.05 J | 0.13 | 0.11 | 0.3 | 0.19 |
| Nickel | 49.4 | 22.2 | 24.4 | 6.2 | 17.7 | 18.1 | 17.5 | 14 | 7 |
| Potassium | 648 | 380 | 527 | 253 | 484 | 609 | 390 | 605 | 312 |
| Selenium | 3 J | 0.77 UJ | 1.7 J | 0.86 UJ | 2 J | 2.6 J | 0.81 UJ | 2 J | 0.81 UJ |
| Silver | 0.2 U | 0.19 U | 0.27 J | 0.22 U | 0.2 U | 0.22 J | 0.2 U | 0.2 U | 0.2 U |
| Sodium | 839 | 613 | 1130 | 225 | 706 | 643 | 510 | 457 | 269 |
| Thallium | 4.8 | 2.7 | 6.1 | 1.5 U | 3.2 | 3.2 | 2.4 | 4.7 J | 1.8 J |
| Vanadium | 103 | 91.8 | 84.4 | 10.4 | 38.2 | 72 | 50.2 | 43.4 | 14.4 |
| Zinc | 1850 J | 1990 J | 2460 J | 301 J | 773 J | 1210 J | 3840 J | 1010 J | 250 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 139000 | 127000 | 214000 | 10500 | 177000 | 174000 | 212000 | 98600 | 86600 |

**TABLE 2-139**
**SEDIMENT DATA HITS TABLE - STATION CB-06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-04-10 |
|---|---|
| Metals (mg/Kg) | |
| Aluminum | 6125 |
| Antimony | 1.8 U |
| Arsenic | 83.1 J |
| Barium | 26.25 |
| Beryllium | 0.2 U |
| Cadmium | 2.35 |
| Calcium | 2755 |
| Chromium | 212 |
| Cobalt | 5.2 |
| Copper | 202 |
| Iron | 13900 |
| Lead | 80.7 |
| Magnesium | 1750 |
| Manganese | 92.95 J |
| Mercury | 0.56 |
| Nickel | 9.75 |
| Potassium | 333.5 |
| Selenium | 0.975 J |
| Silver | 0.2 U |
| Sodium | 434.5 |
| Thallium | 2.5 |
| Vanadium | 22.45 |
| Zinc | 521 J |
| | |
| TOC/TCO (mg/Kg) | |
| Total Organic Carbon | 89300 |

**TABLE 2-140**
**SEDIMENT DATA HITS TABLE - STATION CB-07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-07-01 | SD-CB-07-02 | SD-CB-07-03 | SD-CB-07-04 | SD-CB-07-05 | SD-CB-07-06 |
|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | |
| Aluminum | 9880 | 8400 | 13500 | 6080 | 5240 | 4710 |
| Arsenic | 210 J | 412 J | 234 J | 96.9 J | 20.2 J | 13.3 J |
| Barium | 88 | 98.4 | 56.8 | 40.7 | 16.8 | 13.4 |
| Beryllium | 0.51 J | 0.63 | 1.1 | 0.27 J | 0.2 U | 0.19 U |
| Cadmium | 8.6 | 8.4 | 5.6 | 1.5 | 0.48 | 0.25 J |
| Calcium | 7200 | 5660 | 3720 | 3310 | 2420 | 1210 |
| Chromium | 557 | 256 | 784 | 336 | 136 | 53.1 J |
| Cobalt | 40.6 | 21.7 | 15.5 | 10.7 | 4 | 2.6 |
| Copper | 304 | 312 | 437 | 106 | 58.6 | 56.5 J |
| Iron | 39800 | 83000 | 31800 | 26500 | 12100 | 8280 |
| Lead | 389 | 327 | 377 | 134 | 58.9 | 26.2 J |
| Magnesium | 2400 | 2080 | 1870 | 2050 | 2470 | 2070 |
| Manganese | 523 J | 990 J | 506 J | 645 J | 102 J | 84.3 |
| Mercury | 0.69 | 0.52 | 1.4 | 0.66 | 0.09 J | 0.1 J |
| Nickel | 38.9 | 31.8 | 23.3 | 14.3 | 9.7 | 7.8 |
| Potassium | 573 | 381 | 354 | 310 | 306 | 388 |
| Selenium | 3.5 J | 6.5 J | 4.1 J | 2.2 J | 0.79 UJ | 0.78 UJ |
| Silver | 0.33 J | 0.51 | 0.19 U | 0.23 U | 0.2 U | 0.19 U |
| Sodium | 1340 | 755 | 551 | 460 | 318 | 338 |
| Vanadium | 66.9 | 60.2 | 102 | 39.8 | 29 | 15.8 |
| Zinc | 1810 J | 1190 J | 671 J | 327 J | 145 J | 74.6 |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Organic Carbon | 167000 | 275000 | 141000 | 141000 | 73500 | 14800 |

**TABLE 2-141**
**SEDIMENT DATA HITS TABLE - STATION JY**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-JY-06 | SD-JY-07 | SD-JY-08 | SD-JY-09 | SD-JY-10 | SD-JY-11 | SD-JY-12 | SD-JY-13 |
|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 4680 | 9230 | 13700 | 10500 | 8870 | 3950 | 17300 | 15200 |
| Antimony | 6.95 | 12.3 | 19.5 | 7.5 | 1.8 U | 1.9 U | 1.8 U | 1.8 U |
| Arsenic | 28.65 J | 96.4 J | 95.1 J | 84.3 J | 105 | 44.4 | 399 | 482 |
| Barium | 167 J | 353 J | 188 J | 129 J | 56.4 | 20 | 121 | 109 |
| Beryllium | 0.245 J | 0.55 | 0.88 | 0.64 | 0.32 J | 0.21 UJ | 0.98 J | 0.7 J |
| Cadmium | 9.9 | 21 | 11.1 | 14.4 | 7 | 1.4 | 14.3 | 13.6 |
| Calcium | 10250 | 6660 | 10700 | 8510 | 3450 | 1450 | 6600 | 11900 |
| Chromium | 287 J | 1250 J | 1710 J | 746 J | 1330 | 124 | 1240 | 1130 |
| Cobalt | 6.4 | 10.9 | 11.4 | 17.8 | 24.5 | 5.9 | 12.5 | 23.1 |
| Copper | 180.5 J | 320 J | 741 J | 344 J | 304 J | 122 J | 677 J | 577 J |
| Iron | 18900 | 58700 | 24300 | 31400 | 17100 J | 8240 J | 29300 J | 55100 J |
| Lead | 389.5 | 1000 | 1210 | 736 | 346 | 47.6 | 486 | 367 |
| Magnesium | 1935 | 2380 | 2850 | 3020 | 1770 | 1310 | 3270 | 3520 |
| Manganese | 278.5 J | 297 J | 332 J | 396 J | 319 | 103 | 268 | 555 |
| Mercury | 0.1 UJ | 0.39 U | 1.8 | 0.05 U | 0.62 | 0.18 J | 2.3 | 1.6 |
| Nickel | 60.8 | 150 | 82.9 | 56.3 | 20.6 | 8.7 | 35.1 | 35.2 |
| Potassium | 452 J | 615 J | 535 J | 644 J | 545 | 426 | 689 | 1090 |
| Selenium | 3.75 J | 5.1 J | 4.4 J | 4.7 J | 0.8 UJ | 0.84 UJ | 4.1 J | 5.1 J |
| Silver | 0.385 J | 0.73 | 0.67 | 0.9 | 0.2 U | 0.21 U | 1.8 | 1.5 |
| Sodium | 791.5 J | 755 J | 818 J | 687 J | 493 J | 459 J | 771 J | 1650 J |
| Thallium | 1.7 J | 6.9 J | NA | 3.6 J | 2.5 | 1.5 U | 2 | 2.4 |
| Vanadium | 43.9 | 90.6 | 78.8 | 68.8 | 29.8 | 10.2 | 62.9 | 53.1 |
| Zinc | 1880 | 2720 | 2850 | 2330 | 1350 | 308 | 2020 | 2750 |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| Aroclor 1254 | 1045 | 2600 | 1700 | 1100 | 490 | 190 U | 330 | 230 J |
| Aroclor 1260 | 1055 | 2400 | 1900 | 1900 | 430 | 190 U | 360 | 260 |
| TOC/TCO (mg/Kg) | | | | | | | | |
| Total Organic Carbon | 218500 | 176000 | 192000 | 187000 | 78500 | 15400 | 180000 | 167000 |

**TABLE 2-141**
**SEDIMENT DATA HITS TABLE - STATION JY**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-JY-14 | SD-JY-15 |
|---|---|---|
| Metals (mg/Kg) | | |
| Aluminum | 8260 | 4230 |
| Antimony | 2.1 U | 3.1 |
| Arsenic | 99.3 | 13.7 J |
| Barium | 68.1 | 55.3 |
| Beryllium | 0.23 UJ | 0.19 U |
| Cadmium | 15.1 | 3.3 J |
| Calcium | 8710 | 1800 |
| Chromium | 499 | 69.6 |
| Cobalt | 6.3 | 7.1 |
| Copper | 320 J | 190 |
| Iron | 10900 J | 30000 |
| Lead | 251 | 400 J |
| Magnesium | 2180 | 2070 |
| Manganese | 209 | 171 |
| Mercury | 0.78 | 0.1 J |
| Nickel | 25.1 | 42.8 |
| Potassium | 663 | 562 |
| Selenium | 1.9 UJ | 1.3 J |
| Silver | 0.75 | 0.19 U |
| Sodium | 1430 J | 360 J |
| Thallium | 1.6 U | 2.1 |
| Vanadium | 31.9 | 18.7 |
| Zinc | 1570 | 417 J |
| PCB/Pesticides (ug/Kg) | | |
| Aroclor 1254 | 270 J | 1200 |
| Aroclor 1260 | 300 J | 1200 |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | 207000 | 45300 |

**TABLE 2-142**
**SEDIMENT DATA HITS TABLE - STATION KFSE**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-KF-01 | SD-KF-02 | SD-KF-03 | SD-KF-04 | SD-KF-05 | SD-KF-06 | SD-KF-07 | SD-KF-08 |
|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 4180 | 3510 | 9080 | 5590 | 5815 | 2860 | 2870 | 2550 |
| Arsenic | 41.3 | 31.1 | 90.4 | 53.5 | 43.2 | 16.6 | 13.2 | 11.7 |
| Barium | 28.6 | 26.8 | 54.7 | 44.7 | 45.75 | 19.4 | 17 | 15.9 |
| Beryllium | 0.28 | 0.24 | 0.6 | 0.35 | .37 | 0.16 U | 0.18 U | 0.11 U |
| Cadmium | 0.36 U | 0.48 U | 1.1 | 0.91 | .99 | 0.22 UJ | 0.33 U | 0.12 U |
| Calcium | 2320 | 1890 | 3550 | 2720 | 2885 | 1200 | 1410 | 1390 |
| Chromium | 80.5 | 53 | 113 | 106 | 100.7 | 21.2 | 27 | 20.8 |
| Cobalt | 5.8 | 5.4 | 10 | 8.7 | 8.95 | 3.8 | 4.4 | 3.1 |
| Copper | 63.9 | 42.5 | 185 | 89.9 | 88.65 | 27.1 | 25 | 21.9 |
| Iron | 13300 | 10700 | 18700 | 14900 | 15400 | 7170 | 7240 | 6580 |
| Lead | 109 | 72.4 | 157 | 129 | 188 | 36.9 | 31.6 | 43.4 |
| Magnesium | 1820 | 1570 | 2520 | 2090 | 2295 | 1380 | 1390 | 1230 |
| Manganese | 290 | 258 | 503 | 409 | 326.5 | 205 | 214 | 83.5 |
| Mercury | 0.25 J | 0.23 J | 1.6 J | 0.78 J | 0.74 J | 0.1 J | 0.16 J | 0.12 J |
| Nickel | 6.4 | 5.8 | 10.1 | 8.4 | 10.7 | 3.2 U | 2.5 U | 5.3 U |
| Potassium | 316 J | 324 J | 510 J | 397 J | 363.5 J | 281 J | 274 J | 246 |
| Selenium | 0.6 UJ | 0.58 UJ | 0.61 UJ | 0.6 UJ | 0.6 UJ | 0.59 UJ | 0.6 UJ | 0.59 UJ |
| Silver | 0.46 J | 0.39 U | 0.64 J | 0.48 J | 0.69 J | 0.39 U | 0.4 U | 0.39 U |
| Sodium | 244 J | 212 J | 286 J | 268 J | 233.5 J | 161 J | 150 U | 147 U |
| Vanadium | 19.5 | 14.5 | 29.6 | 23.8 | 26.05 | 10.6 | 10.7 | 9.1 |
| Zinc | 263 | 224 | 461 | 397 | 394 | 152 | 146 | 115 J |
| TOC/TCO (mg/Kg) | | | | | | | | |
| Total Organic Carbon | 22100 | 14900 | 40000 | 21300 | 46650 | 3900 J | 6400 J | 2600 J |

**TABLE 2-142**
**SEDIMENT DATA HITS TABLE - STATION KFSE**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-KF-09 | SD-KF-10 |
|---|---|---|
| Metals (mg/Kg) | | |
| Aluminum | 6610 | 5830 |
| Arsenic | 49.6 | 34.3 |
| Barium | 41.4 | 40 |
| Beryllium | 0.51 | 0.33 |
| Cadmium | 0.81 | 0.89 |
| Calcium | 2750 | 2410 |
| Chromium | 69.6 | 87.6 |
| Cobalt | 7.5 | 7.6 |
| Copper | 157 | 85 |
| Iron | 12300 | 13300 |
| Lead | 83.4 | 134 |
| Magnesium | 1920 | 2230 |
| Manganese | 368 | 255 |
| Mercury | 0.47 J | 0.68 |
| Nickel | 7.6 | 12.6 |
| Potassium | 275 J | 409 |
| Selenium | 0.61 J | 0.61 UJ |
| Silver | 0.4 U | 0.44 J |
| Sodium | 230 J | 154 U |
| Vanadium | 19.1 | 23.6 |
| Zinc | 359 | 324 J |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | 19900 | 34200 |

**TABLE 2-143**
**SEDIMENT DATA HITS TABLE - STATION LF**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LF-01 | SD-LF-02 |
|---|---|---|
| Metals (mg/Kg) | | |
| Aluminum | 19100 | 18700 |
| Arsenic | 100 | 81.9 |
| Barium | 141 | 149 |
| Beryllium | 1.1 J | 0.95 |
| Cadmium | 10.5 | 7.6 |
| Calcium | 6400 | 6210 |
| Chromium | 424 | 258 |
| Cobalt | 24.8 | 19.5 |
| Copper | 471 | 381 |
| Cyanide | 2.6 J | 2.6 J |
| Iron | 37900 | 37800 |
| Lead | 861 | 594 |
| Magnesium | 5840 | 5910 |
| Manganese | 445 | 539 |
| Mercury | 1.3 J | 1.1 J |
| Nickel | 43.4 | 36.8 |
| Potassium | 1610 J | 1590 |
| Selenium | 4.5 J | 2.8 J |
| Silver | 1.9 UJ | 0.5 J |
| Thallium | 0.98 J | 0.64 J |
| Vanadium | 81.2 | 69.6 |
| Zinc | 2280 | 1650 |

**TABLE 2-144**
**SEDIMENT DATA HITS TABLE - STATION LM**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LM-01 | SD-LM-02 | SD-LM-03 |
|---|---|---|---|
| Metals (mg/Kg) | | | |
| Aluminum | 14600 | 25000 | 16900 |
| Arsenic | 60.1 | 144 | 80.4 |
| Barium | 173 | 368 | 206 |
| Beryllium | 0.71 | 1.4 | 0.95 |
| Cadmium | 5.7 | 12.6 | 11.2 |
| Calcium | 6870 | 9180 | 6030 |
| Chromium | 170 | 428 | 322 |
| Cobalt | 19.6 | 37.5 | 28.8 |
| Copper | 249 | 578 | 496 |
| Cyanide | 1.6 J | 0.29 UJ | 0.31 UJ |
| Iron | 64900 | 75300 | 61800 |
| Lead | 478 | 850 | 929 |
| Magnesium | 12900 | 9910 | 9220 |
| Manganese | 534 | 1550 | 822 |
| Nickel | 31.2 | 58.3 | 37.1 |
| Potassium | 4390 | 3040 | 2580 |
| Selenium | 1.8 J | 2.3 J | 2.7 J |
| Silver | 0.46 UJ | 0.5 J | 0.81 J |
| Thallium | 0.31 J | 0.67 J | 0.7 J |
| Vanadium | 60.1 | 124 | 83.8 |
| Zinc | 1320 | 3230 | 2810 |

**TABLE 2-145**
**SEDIMENT DATA HITS TABLE - STATION LP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LP-01 | SD-LP-02 | SD-LP-03 | SD-LP-04 | SD-LP-05 | SD-LP-06 | SD-LP-07 | SD-LP-08 | SD-LP-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5400 | 5200 | 9140 | 20400 | 7120 | 11000 | 4280 | 5630 | 4840 |
| Antimony | 2.6 UJ | 1.8 UJ | 1.9 UJ | 5.1 J | 1.9 UJ | 1.9 UJ | 1.8 UJ | 1.8 UJ | 1.7 UJ |
| Arsenic | 20.7 J | 48.1 J | 30 J | 485 J | 60.1 J | 25.95 J | 23.6 J | 81.8 J | 74.9 J |
| Barium | 26 | 31.6 | 45.5 | 37.6 | 31.7 | 51.5 | 14.4 | 18.8 | 21.9 |
| Beryllium | 0.29 U | 0.27 J | 0.57 | 0.92 | 0.37 J | 0.69 | 0.2 U | 0.38 J | 0.26 J |
| Cadmium | 1.3 J | 1.1 J | 3.3 J | 5.6 J | 2.5 J | 3.8 J | 1.4 J | 3.5 J | 1.2 J |
| Calcium | 1630 | 2130 | 4220 | 3600 | 2160 | 3745 | 1250 | 2190 | 1210 |
| Chromium | 36.2 J | 54.8 J | 22.6 J | 124 J | 112 J | 25.9 J | 23.2 J | 54.1 J | 69.2 J |
| Cobalt | 6.4 | 6.3 | 15.4 | 8.2 | 8.2 | 10.55 | 3.6 | 6.2 | 4.8 |
| Copper | 66.6 J | 64.1 J | 36.3 J | 1560 J | 192 J | 70.35 J | 65.7 J | 235 J | 142 J |
| Iron | 10900 | 9710 | 10100 | 13600 | 12800 | 11500 | 7590 | 7630 | 9940 |
| Lead | 49.3 J | 52.7 J | 19.6 J | 400 J | 81.6 J | 40.35 J | 27.5 J | 73 J | 104 J |
| Magnesium | 2470 | 1700 | 1990 | 2450 | 1640 | 2290 | 1640 | 1170 | 1250 |
| Manganese | 131 | 185 | 333 | 256 | 195 | 244 | 87.8 | 104 | 271 |
| Mercury | 0.17 J | 0.42 | 0.23 J | 1.4 | 1 | 0.225 J | 0.19 J | 0.86 | 0.83 |
| Nickel | 9.7 | 7.7 | 16.7 | 30.6 | 9.8 | 10.95 | 5.9 | 7.2 | 6.9 |
| Potassium | 494 | 267 | 335 | 425 | 334 | 246.5 | 327 | 199 | 324 |
| Selenium | 1.2 UJ | 0.97 J | 0.83 U | 3.1 | 0.83 U | 0.84 U | 0.8 U | 0.78 U | 1 J |
| Silver | 0.29 U | 0.2 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.2 U | 0.2 U | 0.19 U |
| Sodium | 506 | 505 | 662 | 461 | 408 | 688.5 | 374 | 372 | 285 |
| Thallium | 2 U | 1.8 J | 2.4 J | 2.9 J | 2.5 J | 1.325 J | 1.6 J | 1.8 J | 1.8 J |
| Vanadium | 14.6 | 13 | 21.9 | 33.7 | 14.2 | 19.05 | 10.5 | 10.1 | 11.1 |
| Zinc | 306 | 315 | 2800 | 800 | 656 | 2415 | 236 | 1210 | 248 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 4800 J | 18200 | 68200 | 53200 | 43400 | 49500 | 15100 | 29800 | 21700 |

**TABLE 2-145**
**SEDIMENT DATA HITS TABLE - STATION LP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LP-10 | SD-LP-11 | SD-LP-12 | SD-LP-13 | SD-LP-14 | SD-LP-15 |
|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | |
| Aluminum | 6610 | 9930 | 4620 | 2300 | 2270 | 4600 |
| Antimony | 1.8 UJ | 2.2 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U |
| Arsenic | 73.4 J | 62 | 13.95 | 5.4 | 5.9 | 18.4 |
| Barium | 29.4 | 68.9 | 22 | 11.2 | 16.7 | 23.6 |
| Beryllium | 0.36 J | 0.59 | 0.26 | 0.14 | 0.15 | 0.26 |
| Cadmium | 2.4 J | 1.9 | 0.14 J | 0.12 U | 0.12 U | 0.25 J |
| Calcium | 1980 | 3900 | 1340 | 704 | 841 | 1690 |
| Chromium | 45.2 J | 134 | 30.85 | 9.7 | 8.2 | 37 |
| Cobalt | 7.6 | 9.2 | 4.55 | 2.8 | 2.4 | 3.7 |
| Copper | 150 J | 149 | 29.05 | 9.6 | 6.6 | 32.4 |
| Iron | 12300 | 23800 | 9210 | 4420 | 5420 | 8040 |
| Lead | 122 J | 196 | 35.45 | 6.8 | 6.4 | 27.5 |
| Magnesium | 1650 | 3520 | 2345 | 1360 | 1160 | 2010 |
| Manganese | 205 | 182 | 107.5 | 47.5 | 112 | 117 |
| Mercury | 0.41 | 0.7 | 0.16 J | 0.1 UJ | 0.09 UJ | 0.23 J |
| Nickel | 8.5 | 15.2 | 9.1 | 3.5 | 0.59 J | 3.3 |
| Potassium | 401 | 868 J | 608.5 J | 471 J | 545 J | 366 J |
| Selenium | 0.92 J | 2.9 UJ | 0.88 UJ | 0.59 UJ | 0.9 UJ | 1.5 UJ |
| Silver | 0.2 U | 0.76 J | 0.41 U | 0.39 U | 0.39 U | 0.42 U |
| Sodium | 443 | 463 | 296.5 J | 322 | 292 J | 374 |
| Thallium | 2 J | 2.2 U | 1.8 U | 1.7 U | 1.7 U | 1.9 U |
| Vanadium | 14 | 39.8 | 16.45 | 6.5 | 7.2 | 14.6 |
| Zinc | 632 | 625 | 98.1 | 15.2 | 22.6 | 113 |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Organic Carbon | 35400 | NA | NA | NA | NA | NA |

**TABLE 2-146**
**SEDIMENT DATA HITS TABLE - STATION MP**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-MP-01 | SD-MP-02 |
|---|---|---|
| Metals (mg/Kg) | | |
| Aluminum | 9140 | 10600 |
| Antimony | 1.1 J | 1.5 J |
| Arsenic | 54.8 | 53.4 |
| Barium | 67.8 | 76.2 |
| Beryllium | 0.47 | 0.54 |
| Cadmium | 4.4 | 5.1 |
| Calcium | 3720 J | 4480 J |
| Chromium | 156 | 142 |
| Cobalt | 12.4 | 12.8 |
| Copper | 178 | 186 |
| Cyanide | 0.46 J | 3.3 J |
| Iron | 20100 J | 20200 J |
| Lead | 249 | 318 |
| Magnesium | 3310 | 3890 |
| Manganese | 308 J | 290 J |
| Mercury | 0.89 | 0.83 |
| Nickel | 21.6 J | 24.2 J |
| Potassium | 808 | 1170 |
| Selenium | 0.84 U | 1 J |
| Sodium | 279 J | 369 J |
| Thallium | 0.54 J | 0.4 J |
| Vanadium | 32.2 | 38.6 |
| Zinc | 930 | 945 |

**TABLE 2-147**
**SEDIMENT DATA HITS TABLE - STATION NRSE**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-NR-01 | SD-NR-02 | SD-NR-03 | SD-NR-04 | SD-NR-05 |
|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | |
| Aluminum | 8110 | 9220 | 4980 | 6070 | 4880 |
| Arsenic | 215 | 221 | 106 | 131 | 156 |
| Barium | 65.5 | 46.7 | 25.4 | 32.2 | 36.1 |
| Beryllium | 0.53 | 0.94 | 0.35 | 0.39 | 0.3 |
| Cadmium | 2.7 | 0.49 U | 0.95 | 1.5 | 1.3 |
| Calcium | 3610 | 4060 | 1610 | 2500 | 2090 |
| Chromium | 255 | 258 | 156 | 158 | 104 |
| Cobalt | 9.3 | 6.3 | 5.8 | 5.6 | 5.2 |
| Copper | 251 | 365 | 140 | 155 | 99.3 |
| Iron | 25600 | 21000 | 11500 | 20200 | 18800 |
| Lead | 203 | 249 | 129 | 145 | 80.8 |
| Magnesium | 2570 | 2630 | 1500 | 2000 | 1770 |
| Manganese | 317 | 152 | 95.4 | 133 | 122 |
| Mercury | 2.5 | 2.4 | 5.9 | 1.6 | 0.77 |
| Nickel | 16.1 | 12.3 | 8.7 | 9 | 7.8 |
| Potassium | 421 | 404 | 297 | 395 | 452 |
| Selenium | 2.4 J | 2.3 J | 1.4 J | 1.8 J | 0.86 J |
| Silver | 2.3 | 2.4 | 0.96 | 0.97 | 0.93 |
| Sodium | 182 J | 190 U | 298 J | 342 | 294 J |
| Vanadium | 29.9 | 32.6 | 17.1 | 22.1 | 16.4 |
| Zinc | 595 J | 235 J | 226 J | 316 J | 341 J |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | 48900 | 59400 | 15900 | 24300 | 18800 |

**TABLE 2-148**
**SEDIMENT DATA HITS TABLE - STATION TT-27**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-27-01 | SD-TT-27-02 | SD-TT-27-03 | SD-TT-27-04 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 15800 | 7855 | 7080 | 7660 |
| Antimony | 0.56 UJ | 0.42 UJ | 0.77 UJ | 0.87 J |
| Arsenic | 129 | 34.45 | 142 | 12.3 J |
| Barium | 96.5 | 387.5 | 296 | 46.9 |
| Beryllium | 0.97 | 0.455 | 0.53 | 0.4 |
| Cadmium | 6.8 J | 2.35 | 2 | 3.7 J |
| Calcium | 5230 | 2460 | 3730 | 1920 |
| Chromium | 300 | 179 | 74.2 | 30.9 J |
| Cobalt | 13.7 J | 4.8 | 6 | 6.7 |
| Copper | 365 J | 97.9 J | 110 J | 54.3 J |
| Iron | 31600 | 15000 | 18000 | 13900 |
| Lead | 734 J | 202.5 J | 135 J | 122 J |
| Magnesium | 4640 | 2275 | 2170 | 2880 |
| Manganese | 493 J | 110.9 J | 135 J | 153 J |
| Mercury | 1.3 | 0.1415 J | 0.14 J | 0.15 |
| Nickel | 27.5 J | 12.5 | 14 | 14.8 |
| Potassium | 898 | 400.5 | 379 | 784 |
| Selenium | 3.4 J | 2.05 J | 2 J | 1.9 J |
| Sodium | 1830 J | 629.5 J | 683 J | 1370 J |
| Vanadium | 70.9 J | 50.8 | 44 | 36 |
| Zinc | 850 | 411.5 J | 439 | 558 J |

**TABLE 2-149**
**SEDIMENT DATA HITS TABLE - STATION TT-28**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-28-01 | SD-TT-28-02 | SD-TT-28-03 |
|---|---|---|---|
| Metals (mg/Kg) | | | |
| Aluminum | 11400 | 16700 | 21600 |
| Antimony | 11.9 J | 18.9 J | 26.3 J |
| Arsenic | 811 J | 459 J | 987 J |
| Barium | 81.8 | 97.9 | 104 |
| Beryllium | 0.87 | 1 | 1.5 |
| Cadmium | 12.7 J | 14.2 J | 17.1 J |
| Calcium | 5900 | 7520 | 6910 |
| Chromium | 1390 J | 4240 J | 2820 J |
| Cobalt | 32.5 J | 23.8 J | 32.2 J |
| Copper | 592 J | 964 J | 1330 J |
| Iron | 61300 | 50600 | 88300 |
| Lead | 338 J | 269 J | 657 J |
| Magnesium | 1780 | 1870 | 2100 |
| Manganese | 789 J | 599 J | 663 J |
| Mercury | 4.2 | 5 | 3 |
| Nickel | 23.4 | 27.5 | 29.7 J |
| Potassium | 576 | 619 | 625 |
| Selenium | 7.5 J | 8 J | 10.2 J |
| Silver | 4 J | 3.1 J | 5.3 J |
| Sodium | 4950 J | 5130 J | 5460 J |
| Vanadium | 44 | 60.5 | 69.6 J |
| Zinc | 2230 J | 2160 J | 3160 J |

**TABLE 2-150**
**SEDIMENT DATA HITS TABLE - STATION TT-29**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-29-01 | SD-TT-29-02 | SD-TT-29-03 | SD-TT-29-03-TR |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| Acetone | NA | NA | NA | 1100 J |
| Metals (mg/Kg) | | | | |
| Aluminum | 13500 J | 17300 J | 17900 J | NA |
| Antimony | 1.1 J | 1.1 UJ | 10.1 J | NA |
| Arsenic | 629 J | 561 J | 1050 J | NA |
| Barium | 73.25 J | 79.3 J | 60.3 J | NA |
| Beryllium | 0.975 | 0.88 | 1.1 | NA |
| Cadmium | 11.15 J | 13.6 J | 15.2 J | NA |
| Calcium | 5855 | 7610 | 7640 | NA |
| Chromium | 2420 J | 5500 J | 1460 J | NA |
| Cobalt | 36.4 J | 35.7 J | 31.8 J | NA |
| Copper | 704 J | 893 J | 1340 J | NA |
| Iron | 60400 | 45200 | 115000 | NA |
| Lead | 316 J | 649 J | 538 J | NA |
| Magnesium | 1905 | 3440 | 1970 | NA |
| Manganese | 700 J | 470 J | 1190 J | NA |
| Mercury | 6.9 J | 5.6 J | 13.3 J | NA |
| Nickel | 29.85 | 34.8 | 26.3 | NA |
| Potassium | 434.5 J | 804 J | 473 J | NA |
| Selenium | 8.15 J | 6.3 J | 8.6 J | NA |
| Silver | 1.15 | 1.6 | 1.3 | NA |
| Sodium | 3210 | 3370 | 4530 | NA |
| Thallium | 7.6 J | 5 J | 14.3 J | NA |
| Vanadium | 45.9 J | 96.9 J | 57.1 J | NA |
| Zinc | 2525 | 2250 | 3770 | NA |

**TABLE 2-151**
**SEDIMENT DATA HITS TABLE - STATION TT-30**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-30-01 | SD-TT-30-01-TR | SD-TT-30-02 | SD-TT-30-03 |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,1,1-Trichloroethane | NA | 110 J | NA | NA |
| Acetone | NA | 7300 J | NA | NA |
| Methyl Acetate | NA | 530 J | NA | NA |
| Toluene | NA | 22 J | NA | NA |
| SVOCs (ug/Kg) | | | | |
| Benzo(a)pyrene | NA | 33 J | NA | NA |
| Benzo(b)fluoranthene | NA | 47 J | NA | NA |
| Chrysene | NA | 40 J | NA | NA |
| Fluoranthene | NA | 71 J | NA | NA |
| Pyrene | NA | 55 J | NA | NA |
| Metals (mg/Kg) | | | | |
| Aluminum | 16100 J | 17900 | 5780 J | 17400 J |
| Antimony | 0.9 J | 23.6 J | 1.3 J | 0.53 UJ |
| Arsenic | 612 J | 541 | 113 J | 1080 J |
| Barium | 124 J | 85 | 36.3 J | 32.7 J |
| Beryllium | 1.1 | 1.3 J | 0.4 | 0.91 |
| Cadmium | 9.8 J | 5.2 | 4 J | 7.1 J |
| Calcium | 8710 | 5960 | 1650 | 3810 |
| Chromium | 1250 J | 2290 | 623 J | 5310 J |
| Cobalt | 30.4 J | 22.9 J | 13.9 J | 9.8 |
| Copper | 674 J | 835 | 253 J | 3760 J |
| Iron | 71600 | 51500 | 17900 | 12300 |
| Lead | 420 J | 664 | 248 J | 425 J |
| Magnesium | 3900 | 3280 | 1310 | 1370 |
| Manganese | 1910 J | 980 | 205 J | 206 J |
| Mercury | 4.6 J | 1.7 J | 4.2 J | 89.2 J |
| Nickel | 35.1 | 26.9 | 12.4 | 8 |
| Potassium | 633 J | 784 J | 204 J | 171 |
| Selenium | 9.3 J | 1 U | 2.7 J | 3.8 J |
| Silver | 2.2 | 1 U | 0.41 U | 0.36 U |
| Sodium | 2820 | 468 | 929 | 1660 |
| Thallium | 9.7 J | 1.1 U | 2.5 J | 1.5 |
| Vanadium | 59.8 J | 66.2 | 24 J | 21 |
| Zinc | 1560 | 1370 J | 644 | 1170 |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | NA | 3.3936 | NA | NA |
| Copper | NA | 434.3654 | NA | NA |
| Lead | NA | 365.19 | NA | NA |
| Mercury | NA | 1.18354 J | NA | NA |
| Nickel | NA | 13.082001 | NA | NA |
| SEM/AVS Ratio | NA | 260.6 | NA | NA |
| Zinc | NA | 766.84116 J | NA | NA |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | NA | 240000 | NA | NA |

**TABLE 2-152**
**SEDIMENT DATA HITS TABLE - STATION TT-31**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-31-01 | SD-TT-31-02 | SD-TT-31-03 |
|---|---|---|---|
| Metals (mg/Kg) | | | |
| Aluminum | 9550 J | 9130 J | 14100 J |
| Arsenic | 8.5 J | 11 J | 30.3 J |
| Barium | 62.8 J | 51.6 J | 159 J |
| Beryllium | 0.47 | 0.46 | 0.7 |
| Cadmium | 4.7 J | 2.3 J | 5.5 J |
| Calcium | 6540 | 4040 | 7730 |
| Chromium | 138 J | 123 J | 295 J |
| Cobalt | 8.7 J | 8.8 J | 19.2 J |
| Copper | 102 J | 56.7 J | 181 J |
| Iron | 15600 | 15700 | 40700 |
| Lead | 332 J | 190 J | 309 J |
| Magnesium | 3630 | 3300 | 5280 |
| Manganese | 213 J | 361 J | 1210 J |
| Mercury | 1.8 J | 0.94 J | 1.5 J |
| Nickel | 22.4 | 19.7 | 35.6 |
| Potassium | 577 J | 581 J | 1020 J |
| Selenium | 2.1 J | 1.8 J | 4.1 J |
| Silver | 0.38 U | 0.3 U | 0.6 J |
| Sodium | 1730 | 912 | 2020 |
| Vanadium | 43.3 J | 38.1 J | 56.5 J |
| Zinc | 433 | 280 | 678 |

**TABLE 2-153**
**SEDIMENT DATA HITS TABLE - STATION TT-32**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-32-01 | SD-TT-32-02 | SD-TT-32-02-TR | SD-TT-32-03 |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| Acetone | NA | NA | 260 J | NA |
| SVOCs (ug/Kg) | | | | |
| Benzo(a)anthracene | NA | NA | 400 | NA |
| Benzo(a)pyrene | NA | NA | 470 J | NA |
| Benzo(b)fluoranthene | NA | NA | 810 | NA |
| Benzo(g,h,i)perylene | NA | NA | 230 J | NA |
| Benzo(k)fluoranthene | NA | NA | 180 J | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | 370 | NA |
| Butylbenzylphthalate | NA | NA | 130 J | NA |
| Chrysene | NA | NA | 460 | NA |
| Fluoranthene | NA | NA | 1000 | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | 210 J | NA |
| Phenanthrene | NA | NA | 450 | NA |
| Pyrene | NA | NA | 860 | NA |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDE | NA | NA | 0.78 J | NA |
| Metals (mg/Kg) | | | | |
| Aluminum | 5080 | 5590 | 11500 | 9730 |
| Antimony | 0.71 UJ | 2.3 UJ | 9.1 J | 1.5 UJ |
| Arsenic | 94.2 | 198 | 313 | 403 |
| Barium | 35.1 | 47 | 87.2 | 112 |
| Beryllium | 0.29 | 0.41 | 0.82 J | 0.62 |
| Cadmium | 3.2 J | 6.5 J | 5.7 | 4.7 J |
| Calcium | 2090 | 3860 | 4880 | 4960 |
| Chromium | 430 | 368 | 699 | 621 |
| Cobalt | 8.9 J | 25.9 J | 26.4 J | 27 J |
| Copper | 183 J | 278 J | 403 | 351 J |
| Iron | 14800 | 20400 | 33300 | 57200 |
| Lead | 152 J | 172 J | 288 | 251 J |
| Magnesium | 1490 | 1600 | 2890 | 2420 |
| Manganese | 524 | 133 | 372 | 2040 |
| Mercury | 2.3 | 3.8 | 0.44 | 4.3 |
| Nickel | 10.1 J | 21.6 J | 21.3 | 19.3 J |
| Potassium | 264 UJ | 310 UJ | 646 J | 498 UJ |
| Selenium | 2.2 J | 2.6 J | 1 U | 5.4 |
| Sodium | 981 J | 2450 J | 400 U | 1890 J |
| Vanadium | 21.7 J | 29.1 J | 38.1 J | 37 J |
| Zinc | 518 | 1960 | 1250 J | 1050 |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | NA | NA | 3.5616 | NA |
| Copper | NA | NA | 202.06335 | NA |
| Lead | NA | NA | 160.82864 | NA |
| Mercury | NA | NA | 0.82246 J | NA |
| Nickel | NA | NA | 11.550192 | NA |
| SEM/AVS Ratio | NA | NA | 5.2 | NA |
| Sulfide | NA | NA | 89.559 | NA |
| Zinc | NA | NA | 725.79612 | NA |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | NA | NA | 150000 J | NA |

**TABLE 2-154**
**SEDIMENT DATA HITS TABLE - STATION TT-33**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-33-01 | SD-TT-33-02 | SD-TT-33-02-TR | SD-TT-33-03 |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| Acetone | NA | NA | 200 J | NA |
| SVOCs (ug/Kg) | | | | |
| Benzo(a)anthracene | NA | NA | 110 J | NA |
| Benzo(a)pyrene | NA | NA | 140 J | NA |
| Benzo(b)fluoranthene | NA | NA | 260 | NA |
| Benzo(g,h,i)perylene | NA | NA | 60 J | NA |
| Benzo(k)fluoranthene | NA | NA | 99 J | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | 81 J | NA |
| Chrysene | NA | NA | 160 | NA |
| Fluoranthene | NA | NA | 290 | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | 60 J | NA |
| Phenanthrene | NA | NA | 130 J | NA |
| Pyrene | NA | NA | 270 | NA |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDD | NA | NA | 1.2 | NA |
| 4,4'-DDE | NA | NA | 1.7 | NA |
| Metals (mg/Kg) | | | | |
| Aluminum | 11700 | 8670 | 11400 | 11400 |
| Antimony | 3.5 J | 9.1 J | 4.3 J | 4.3 J |
| Arsenic | 275 J | 180 J | 288 J | 288 J |
| Barium | 72.1 | 41.2 | 78.4 | 78.4 |
| Beryllium | 0.67 | 0.39 | 0.72 | 0.72 |
| Cadmium | 7.4 J | 5.6 J | 6.4 J | 6.4 J |
| Calcium | 5130 | 2390 | 3690 | 3690 |
| Chromium | 592 J | 2200 J | 735 J | 735 J |
| Cobalt | 20.7 | 18.8 | 27.4 | 27.4 |
| Copper | 489 J | 444 J | 426 J | 426 J |
| Iron | 32700 | 16800 | 37800 | 37800 |
| Lead | 210 | 155 J | 285 J | 285 J |
| Magnesium | 2510 | 1330 | 2560 | 2560 |
| Manganese | 752 J | 154 J | 693 J | 693 J |
| Mercury | 3.7 | 2.1 J | 5.6 J | 5.6 J |
| Nickel | 16.6 J | 11.6 | 22 | 22 |
| Potassium | 507 | 243 | 455 | 455 |
| Selenium | 4.2 J | 2.7 J | 4.6 J | 4.6 J |
| Silver | 2 J | 1.1 J | 2.3 J | 2.3 J |
| Sodium | 2790 J | 2010 J | 2440 J | 2440 J |
| Vanadium | 31.7 | 26.8 | 42.2 | 42.2 |
| Zinc | 1040 J | 1090 J | 1050 J | 1050 J |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | NA | NA | 2.2064 | NA |
| Copper | NA | NA | 177.7492 | NA |
| Lead | NA | NA | 104.03512 | NA |
| Mercury | NA | NA | 1.14342 J | NA |
| Nickel | NA | NA | 6.062677 | NA |
| SEM/AVS Ratio | NA | NA | 4.64 | NA |
| Sulfide | NA | NA | 62.595 | NA |
| Zinc | NA | NA | 400.55538 | NA |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | NA | NA | 86000 J | NA |

**TABLE 2-155**
**SEDIMENT DATA HITS TABLE - STATION UF**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-UF-01 | SD-UF-02 | SD-UF-02-TR | SD-UF-03 |
|---|---|---|---|---|
| VOCs (ug/Kg) | | | | |
| 1,1,1-Trichloroethane | NA | NA | 79.5 J | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | NA | NA | 37.5 J | NA |
| Acetone | NA | NA | 565 J | NA |
| Methyl Acetate | NA | NA | 150 J | NA |
| SVOCs (ug/Kg) | | | | |
| Benzo(b)fluoranthene | NA | NA | 290 J | NA |
| Fluoranthene | NA | NA | 270 J | NA |
| Pyrene | NA | NA | 270 J | NA |
| PCB/Pesticides (ug/Kg) | | | | |
| 4,4'-DDE | NA | NA | 3.05 J | NA |
| Metals (mg/Kg) | | | | |
| Aluminum | 21700 | 24800 | 23350 | 22700 |
| Antimony | R | R | 8.15 | R |
| Arsenic | 127 | 171 | 177.5 | 121 |
| Barium | 164 | 147 | 174 | 198 |
| Beryllium | 1.2 | 1.5 | 1.6 J | 1.2 |
| Cadmium | 12.8 | 17.5 | 19.15 | 10.6 |
| Calcium | 8600 | 7650 | 8300 | 8310 |
| Chromium | 545 | 954 | 805.5 | 389 |
| Cobalt | 28.3 | 31.7 | 32.15 J | 26 |
| Copper | 553 | 699 | 681.5 | 493 |
| Cyanide | 1 | 4.4 | NA | 1.8 J |
| Iron | 44300 J | 45700 J | 47100 | 46900 |
| Lead | 860 | 1230 | 1070 | 607 |
| Magnesium | 6300 | 6550 | 6045 | 7350 |
| Manganese | 878 | 478 | 568.5 | 923 J |
| Mercury | 2 J | 1.8 J | 0.3 J | 1.7 |
| Nickel | 47.5 | 53.8 | 46.95 | 46.4 |
| Potassium | 1590 | 1700 | 1975 J | 1930 |
| Selenium | 2.2 | 2.7 | 0.99 U | 2.3 J |
| Silver | 1.2 J | 1.4 J | 0.99 U | 0.42 J |
| Sodium | 636 J | 855 J | 1165 | 663 J |
| Thallium | 0.86 | 1.1 | 1.1 U | 0.68 J |
| Vanadium | 85.6 J | 110 J | 95.3 | 78.6 |
| Zinc | 2600 | 3270 | 3035 J | 2060 |
| AVS-SEM (mg/Kg) | | | | |
| Cadmium | NA | NA | 11.4576 | NA |
| Copper | NA | NA | 316.055375 | NA |
| Lead | NA | NA | 657.1866 | NA |
| Mercury | NA | NA | 0.06018 J | NA |
| Nickel | NA | NA | 19.5877875 | NA |
| SEM/AVS Ratio | NA | NA | 2.45 | NA |
| Sulfide | NA | NA | 504.291 J | NA |
| Zinc | NA | NA | 1780.4234 J | NA |
| Wet Parameters (mg/Kg) | | | | |
| pH | NA | NA | NA | 6.25 |
| Redox Potential | NA | NA | NA | -42 |
| Sulfide | NA | NA | NA | 975 J |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | NA | NA | 150000 J | NA |

**TABLE 2-156**
**SEDIMENT DATA HITS TABLE - STATION UM**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-UM-01 | SD-UM-02 | SD-UM-03 |
|---|---|---|---|
| Metals (mg/Kg) | | | |
| Aluminum | 14300 | 23000 | 19400 |
| Arsenic | 224.5 | 323 | 171 |
| Barium | 205.5 | 366 | 181 |
| Beryllium | 0.895 | 1.4 | 1.2 |
| Cadmium | 7.65 | 11.7 | 12 |
| Calcium | 3755 | 6580 | 5920 |
| Chromium | 302 | 356 | 307 |
| Cobalt | 44.85 | 72.2 | 30.6 |
| Copper | 362.5 | 565 | 501 |
| Cyanide | 0.565 J | 1 J | 1.6 J |
| Iron | 71150 | 106000 | 49200 |
| Lead | 973.5 | 1290 | 802 |
| Magnesium | 3735 | 6040 | 5310 |
| Manganese | 1665 | 3060 | 1020 |
| Mercury | R | R | 0.89 J |
| Nickel | 40.25 | 64.3 | 46.7 |
| Potassium | 1042.5 | 1740 | 1510 |
| Selenium | 2.2 J | 2.8 J | 4 J |
| Silver | 1.015 J | 1.3 J | 1.1 J |
| Thallium | 0.49 J | 0.59 J | 0.78 J |
| Vanadium | 118.5 | 180 | 114 |
| Zinc | 1995 | 3090 | 2760 |

# TABLE 2-157
## SEDIMENT DATA HITS TABLE - STATION WG
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-WG-01 | SD-WG-02 | SD-WG-03 | SD-WG-04 | SD-WG-05 | SD-WG-06 | SD-WG-07 | SD-WG-08 | SD-WG-09 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 13200 | 12400 | 20300 | 11500 | 5110 | 15000 | 25300 | 14300 | 17050 |
| Antimony | 6.6 UJ | 7 J | 13 J | 6.8 J | 2.5 UJ | 10 J | 24.5 J | 8.5 J | 9.5 J |
| Arsenic | 42.1 J | 63.4 J | 282 J | 41.4 J | 57.9 J | 311 J | 1450 J | 88.3 J | 118.15 J |
| Barium | 177 | 75.7 | 150 | 108 | 47 | 101 | 126 | 82.3 | 88.3 |
| Beryllium | 1.2 | 1.2 | 1.7 | 1.1 | 0.61 | 1.5 | 2.2 | 1.1 | 1.4 |
| Cadmium | 6.7 | 5.4 | 7.6 | 9.6 | 3.3 | 7.5 | 5.6 | 9.5 | 4.45 |
| Calcium | 12000 | 14800 | 13000 | 13100 | 9470 | 14200 | 12800 | 16700 | 17350 |
| Chromium | 687 | 455 | 1850 | 463 | 132 | 793 | 1940 | 414 | 380.5 |
| Cobalt | 41.1 | 20.5 | 31.6 | 21.2 | 6.9 | 13.5 | 44.1 | 13.7 | 15.45 |
| Copper | 551 | 822 | 1170 | 630 | 184 | 694 | 1330 | 635 | 445 |
| Cyanide | 0.31 UJ | 1.2 J | 1.6 J | 0.31 UJ | 0.39 J | 1.8 | 1.6 J | 1.3 J | 1.55 J |
| Iron | 11100 | 12400 | 41000 | 16600 | 10200 | 25300 | 119000 | 13300 | 24850 |
| Lead | 470 | 436 | 648 | 421 | 154 | 722 | 810 | 586 | 750 |
| Magnesium | 2010 | 1470 | 2010 | 1460 | 598 | 1300 | 1550 | 1770 | 1825 |
| Manganese | 1910 | 1580 | 1160 | 971 | 216 | 1100 | 1880 | 1330 | 608 |
| Mercury | 0.97 J | 1.4 J | 3 J | 0.92 J | 0.17 | 1.3 J | 11.6 J | 3.3 J | 0.66 J |
| Nickel | 37.5 | 29.7 | 44.7 | 30.3 | 10 | 26.3 | 35.6 | 30 | 31.3 |
| Potassium | 483 | 377 J | 623 | 351 J | 117 J | 334 J | 401 J | 328 J | 335.5 J |
| Selenium | 3.1 | 8.6 | 6.3 J | 4.1 | 1.9 J | 6.2 | 6.5 | 3.8 | 6.25 J |
| Silver | 0.47 UJ | 0.43 UJ | 0.41 UJ | 0.47 UJ | 0.4 UJ | 0.46 UJ | 0.43 UJ | 0.39 UJ | 0.44 UJ |
| Sodium | 478 J | 603 J | 627 J | 538 J | 228 J | 539 J | 553 J | 557 J | 555 J |
| Thallium | 0.7 J | 0.37 J | 0.61 J | 0.61 J | 0.24 J | 0.44 J | 0.38 J | 0.51 J | 0.42 J |
| Vanadium | 45.7 | 29.1 | 75.1 | 35.6 | 25 | 97.4 | 70.9 | 50.9 | 104.35 |
| Zinc | 702 | 925 | 1650 | 1550 | 491 | 910 | 2000 | 1450 | 788 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# TABLE 2-157
## SEDIMENT DATA HITS TABLE - STATION WG
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-WG-10 | SD-WG-11 | SD-WG-12 | SD-WG-13 | SD-WG-14 | SD-WG-15 | SD-WG-16 | SD-WG-17 | SD-WG-18 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 19000 | 8310 | 12000 | 25700 | 16000 | 8010 | 3680 | 3140 | 18000 |
| Antimony | 11.4 J | 2.4 UJ | 6.2 UJ | 4.3 UJ | 4.7 UJ | 1 U | 1.6 U | 0.75 J | 2.5 J |
| Arsenic | 53.1 J | 17.4 J | 31.2 J | 25.5 J | 24.4 J | 8.6 J | 10 J | 6.6 | 17.4 |
| Barium | 68.8 | 37.7 | 57.7 | 52.2 | 76 | 14.1 | 28.2 | 18.2 | 77.7 |
| Beryllium | 1.3 | 0.56 | 0.85 | 2.6 | 2.1 | 0.33 | 0.27 J | 0.17 U | 0.97 |
| Cadmium | 12.3 | 3.7 | 4.2 | 5.1 | 5.5 | 0.49 | 0.89 | 0.46 | 2.4 |
| Calcium | 13400 | 4060 | 11700 | 7120 | 10300 | 1910 | 2100 | 1200 | 4750 |
| Chromium | 2570 | 131 | 920 | 240 | 227 | 14.3 | 25.1 | 18.2 | 123 |
| Cobalt | 15.9 | 8.4 | 8.1 | 7 | 9 | 3.5 J | 6.2 | 2.7 J | 8.5 |
| Copper | 1010 | 169 | 736 | 361 | 302 | 18.8 | 33.2 | 21.3 | 159 |
| Cyanide | 0.72 J | 0.19 UJ | 0.4 UJ | 0.33 UJ | 0.51 J | 0.33 J | 0.32 J | 0.4 J | 0.94 J |
| Iron | 15200 | 11200 | 9410 | 6040 | 9710 | 5330 | 4920 | 4920 | 17900 |
| Lead | 775 | 136 | 621 | 324 | 363 | 23.9 | 92.9 | 79.6 | 449 |
| Magnesium | 3140 | 2480 | 1720 | 684 | 1220 | 454 | 255 J | 184 J | 4610 |
| Manganese | 801 | 175 | 207 | 91.9 | 234 | 139 | 223 | 89.5 | 199 |
| Mercury | 0.6 J | 0.29 J | 0.84 J | 0.34 J | 0.31 J | 0.09 U | 0.22 | 0.1 J | 0.5 J |
| Nickel | 41.4 | 15.1 | 22.9 | 22 | 25 | 4.8 | 8.2 | 4.8 | 36.8 |
| Potassium | 813 | 676 | 377 J | 173 J | 272 J | 95.4 J | 84 J | 89.6 J | 823 |
| Selenium | 5.7 | 1.5 J | 3.2 | 4.1 | 2.6 | 1.6 U | 0.91 | 0.66 J | 2 J |
| Silver | 0.46 UJ | 0.41 UJ | 0.45 UJ | 0.42 UJ | 0.44 UJ | 0.36 UJ | 0.41 UJ | 0.42 UJ | 0.64 J |
| Sodium | 647 J | 159 J | 514 J | 585 J | 652 J | 78.9 J | 112 J | R | R |
| Thallium | 0.59 J | 0.28 U | 0.4 J | 0.29 J | 0.34 J | 0.24 U | 0.23 U | 0.25 U | 0.27 U |
| Vanadium | 97.3 | 29.6 | 81.9 | 36.2 | 77.5 | 10.3 | 17 | 14.9 | 75 |
| Zinc | 2080 | 521 | 606 | 825 | 765 | 88 | 157 | 80.1 | 398 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-157**
**SEDIMENT DATA HITS TABLE - STATION WG**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WG-19 | SD-WG-20 |
|---|---|---|
| VOCs (ug/Kg) | | |
| cis-1,2-Dichloroethene | NA | NA |
| Trichloroethene | NA | NA |
| SVOCs (ug/Kg) | | |
| Acenaphthene | NA | NA |
| Acenaphthylene | NA | NA |
| Anthracene | NA | NA |
| Benzo(a)anthracene | NA | NA |
| Benzo(a)pyrene | NA | NA |
| Benzo(b)fluoranthene | NA | NA |
| Benzo(g,h,i)perylene | NA | NA |
| Benzo(k)fluoranthene | NA | NA |
| Chrysene | NA | NA |
| Dibenz(a,h)anthracene | NA | NA |
| Fluoranthene | NA | NA |
| Fluorene | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA |
| Naphthalene | NA | NA |
| Phenanthrene | NA | NA |
| Pyrene | NA | NA |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | NA | NA |
| 4,4'-DDE | NA | NA |
| alpha-Chlordane | NA | NA |
| Aroclor 1248 | NA | NA |
| Aroclor 1260 | NA | NA |
| Dieldrin | NA | NA |
| Endosulfan I | NA | NA |
| Endrin | NA | NA |
| gamma-Chlordane | NA | NA |
| Metals (mg/Kg) | | |
| Aluminum | 14500 | 16250 |
| Antimony | R | R |
| Arsenic | 16.8 | 16.8 |
| Barium | 92.5 | 105.5 |
| Beryllium | 0.73 | 0.83 |
| Cadmium | 2.5 | 4.85 |
| Calcium | 4080 | 4415 |
| Chromium | 78.8 | 92.9 |
| Cobalt | 11.3 | 22.85 |
| Copper | 129 | 180.5 |
| Cyanide | 2.5 J | 1.5 J |
| Iron | 26400 | 25500 |
| Lead | 453 | 490 |
| Magnesium | 4460 | 5110 |
| Manganese | 359 | 797.5 |
| Mercury | 0.62 | 0.505 |
| Nickel | 44.2 | 79.2 |
| Potassium | 1010 | 1035 |
| Selenium | 1.6 J | 1.32 J |
| Silver | 0.72 J | 2.95 J |
| Sodium | R | R |
| Thallium | 0.26 U | 0.27 U |
| Vanadium | 64.8 | 68.75 |
| Zinc | 404 | 723 |
| AVS-SEM (mg/Kg) | | |
| Arsenic | NA | NA |
| Copper | NA | NA |
| Lead | NA | NA |
| Nickel | NA | NA |
| SEM/AVS Ratio | NA | NA |
| Sulfide | NA | NA |
| Zinc | NA | NA |
| TOC/TCO (mg/Kg) | | |
| Total Combustible Organics | NA | NA |

# TABLE 2-158
## SEDIMENT DATA HITS TABLE - STATION WH
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | SD-WH-01 | SD-WH-02 | SD-WH-03 | SD-WH-04 | SD-WH-05 | SD-WH-06 | SD-WH-07 | SD-WH-07-TR | SD-WH-08 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| Acetone | NA | NA | NA | NA | NA | NA | NA | 2700 J | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | 660 J | NA |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 14000 | 17500 | 8870 | 17400 | 15900 | 5420 | 5180 | 6705 | 9400 |
| Antimony | 11.4 | 15.1 J | 18.6 J | 34.5 J | 20.6 J | 31.7 J | 22 J | 24.35 | 9.9 |
| Arsenic | 30 | 424 | 123 | 210 | 370 | 22.6 | 12.5 | 24.2 | 4.7 |
| Barium | 89.4 | 92.6 | 53.9 | 107 | 132 | 54.3 | 70.9 | 75.85 | 85.5 |
| Beryllium | 1.4 | 1.4 | 0.7 | 1.6 | 1.3 | 0.36 J | 0.45 | 0.685 J | 1.3 |
| Cadmium | 15.1 J | 8.1 J | 4.6 J | 11.1 J | 14.3 J | 1.6 J | 1.9 J | 3 | 0.87 J |
| Calcium | 17500 | 12600 | 10500 | 11800 | 14700 | 12600 | 14700 | 14350 | 14300 |
| Chromium | 301 | 1170 | 212 | 1050 | 855 | 57 | 27.2 | 45.85 | 17.7 |
| Cobalt | 16 | 15.9 | 12.3 | 30.3 | 34.4 | 4.5 | 3 J | 8.15 | 2.4 J |
| Copper | 561 | 572 | 237 | 548 | 513 | 59 | 43.9 | 66.55 | 23.8 |
| Cyanide | 0.69 | 1 | 0.49 | 0.36 U | 1.1 | 0.6 | 0.53 | NA | 0.42 |
| Iron | 8360 | 65300 | 20800 | 42600 | 76600 | 10400 | 8870 | 12400 | 4020 |
| Lead | 771 | 1030 | 1220 | 1770 | 942 | 2540 | 2380 | 1900 | 1050 |
| Magnesium | 3020 | 3260 | 1700 | 2410 | 3250 | 1330 | 1140 | 1380 | 1300 |
| Manganese | 154 | 501 | 176 | 612 | 747 | 180 | 105 | 101.2 | 73 |
| Mercury | 0.73 J | 0.98 J | 0.54 J | 0.66 J | 0.82 J | 0.57 J | 0.4 J | 0.02 U | 0.25 J |
| Nickel | 44 | 31.3 | 18.9 | 43.7 | 42.4 | 12.9 | 13 | 14.5 | 11.8 |
| Potassium | 650 | 924 | 354 J | 656 | 851 | 240 J | 178 J | 227 J | 222 J |
| Selenium | 3.2 J | 3.7 J | 2.9 J | 4.1 J | 4.1 J | 1.7 J | 2.3 J | 1.55 J | 1.6 J |
| Silver | 0.46 J | 0.44 UJ | 0.42 UJ | 0.41 UJ | 0.45 UJ | 0.43 UJ | 0.45 UJ | 1 U | 0.46 UJ |
| Sodium | 519 | 656 | 394 J | 682 | 865 | 574 | 658 | 939.5 | 554 |
| Thallium | 1.5 | 0.53 J | 0.36 J | 0.8 | 1.1 | 0.32 J | 0.3 J | 1.1 UJ | 0.27 U |
| Vanadium | 67.7 | 123 | 58.9 | 163 | 100 | 46.5 | 50.8 | 57.1 | 32.3 |
| Zinc | 3230 | 1550 | 634 U | 1750 | 2720 | 241 U | 272 U | 543 J | 125 U |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | 3.5728 | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | 57.51195 | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | 1359.45992 | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | 0.79237 J | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | 17.853498 | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | 3.31 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | 159.0555 | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | 604.73418 | NA |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | 6.14 | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | -36 | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | 674 J | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | 815000 J | NA |

**TABLE 2-158**
**SEDIMENT DATA HITS TABLE - STATION WH**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WH-09 | SD-WH-10 |
|---|---|---|
| VOCs (ug/Kg) | | |
| Acetone | NA | NA |
| SVOCs (ug/Kg) | | |
| Benzo(k)fluoranthene | NA | NA |
| Metals (mg/Kg) | | |
| Aluminum | 4720 | 12550 |
| Antimony | 35.4 J | 15.1 J |
| Arsenic | 19.2 | 15 J |
| Barium | 67.5 | 67.05 |
| Beryllium | 0.28 J | 0.695 |
| Cadmium | 2.5 J | 1.6 J |
| Calcium | 18700 | 12200 |
| Chromium | 21.9 | 53.45 |
| Cobalt | 4.1 J | 3.1 J |
| Copper | 52 | 50.35 |
| Cyanide | 0.42 | 0.26 J |
| Iron | 12300 | 10250 |
| Lead | 1130 | 1940 |
| Magnesium | 1750 | 1910 |
| Manganese | 51.9 | 52.2 |
| Mercury | R | 0.425 J |
| Nickel | 14.4 | 15.1 |
| Potassium | 347 J | 385.5 J |
| Selenium | 1.9 J | 2.95 J |
| Silver | 0.44 UJ | 0.4 UJ |
| Sodium | 973 | 570.5 J |
| Thallium | 0.36 J | 0.2225 J |
| Vanadium | 64.5 | 67.75 |
| Zinc | 289 U | 181 |
| AVS-SEM (mg/Kg) | | |
| Cadmium | NA | NA |
| Copper | NA | NA |
| Lead | NA | NA |
| Mercury | NA | NA |
| Nickel | NA | NA |
| SEM/AVS Ratio | NA | NA |
| Sulfide | NA | NA |
| Zinc | NA | NA |
| Wet Parameters (mg/Kg) | | |
| pH | NA | 5.65 |
| Redox Potential | NA | -43 |
| Sulfide | NA | 183 J |
| TOC/TCO (mg/Kg) | | |
| Total Organic Carbon | NA | NA |

**TABLE 2-159**
**SEDIMENT DATA HITS TABLE - STATION WS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-01 | SD-WS-02 | SD-WS-03 | SD-WS-04 | SD-WS-05 | SD-WS-06 | SD-WS-07 | SD-WS-08 | SD-WS-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8490 | 11900 | 7490 | 5850 | 7560 | 3840 | 3570 | 13500 | 10600 |
| Antimony | 4.3 J | 5.1 J | 1.2 J | 3.1 J | 4.5 J | 2.5 J | 2.4 J | 7.2 J | 4.1 J |
| Arsenic | 240 | 235 | 17.7 | 123 | 214 | 79.8 | 38.6 | 339 | 194 |
| Barium | 115.65 | 133 | 60.8 | 89.4 | 106 | 123 | 107 | 200 | 135 |
| Beryllium | 0.615 | 0.73 | 0.31 J | 0.35 J | 0.51 | 0.27 J | 0.2 J | 0.87 | 0.61 |
| Cadmium | 8.75 | 12.9 | 1.3 | 4.8 | 10.6 | 6.3 | 3.7 | 16.7 | 7.8 |
| Calcium | 7875 J | 9790 J | 8060 J | 14800 J | 14200 J | 14900 J | 16900 J | 18300 J | 14700 J |
| Chromium | 637 | 875 | 67.7 | 252 | 459 | 257 | 68.3 | 1320 | 481 |
| Cobalt | 20 | 19 | 5.5 | 11.1 | 18.8 | 16.1 | 7.9 | 44.8 | 23.2 |
| Copper | 337 | 436 | 68 | 188 | 362 | 171 | 89.6 | 686 | 318 |
| Cyanide | 3.1 J | 2.6 J | 1.4 J | 3.7 J | 1.8 J | 1.4 J | 2.1 J | 12.1 J | 2.3 J |
| Iron | 37050 J | 43400 J | 12800 J | 20400 J | 30400 J | 20100 J | 15300 J | 52400 J | 35600 J |
| Lead | 308 | 360 | 165 | 194 | 251 | 170 | 177 | 490 | 352 |
| Magnesium | 2165 | 3180 | 2560 | 2260 | 2460 | 1560 | 1870 | 3570 | 3690 |
| Manganese | 1073 J | 657 J | 413 J | 917 J | 1020 J | 1420 J | 1120 J | 1170 J | 1210 J |
| Mercury | 1.55 J | 1.8 J | 0.22 J | 0.88 J | R | 0.55 J | 0.34 J | R | 1.3 J |
| Nickel | 33.75 J | 40.6 J | 18 J | 20.2 J | 28.1 J | 21.9 J | 17.4 J | 46.3 J | 34.6 J |
| Potassium | 520 J | 1000 | 647 | 915 | 1020 | 429 J | 447 | 1270 | 1160 |
| Selenium | 2.4 J | 2.6 J | 0.79 J | 1.4 J | 1.8 J | 1.6 J | 1.1 J | 3.8 J | 1.8 J |
| Sodium | 800.5 | 901 | 631 | 898 | 1970 | 980 | 1100 | 1310 | 948 |
| Thallium | 0.5 J | 0.93 J | 0.23 U | 0.5 J | 1.1 J | 0.53 J | 0.26 U | 2.2 J | 0.81 J |
| Vanadium | 41.45 | 48.7 | 24.7 | 26.8 | 34.5 | 22.2 | 22.5 | 56.1 | 43.5 |
| Zinc | 1305 | 2140 | 299 | 1010 | 1820 | 1200 | 731 | 3440 | 1750 |

**TABLE 2-159**
**SEDIMENT DATA HITS TABLE - STATION WS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-10 |
|---|---|
| Metals (mg/Kg) | |
| Aluminum | 12200 |
| Antimony | 5.1 J |
| Arsenic | 198 |
| Barium | 123 |
| Beryllium | 0.81 |
| Cadmium | 8.1 |
| Calcium | 15500 J |
| Chromium | 623 |
| Cobalt | 23.5 |
| Copper | 407 |
| Cyanide | 5.6 J |
| Iron | 30200 J |
| Lead | 481 |
| Magnesium | 3870 |
| Manganese | 1360 J |
| Mercury | 1.2 J |
| Nickel | 40.5 J |
| Potassium | 988 |
| Selenium | 3.4 J |
| Sodium | 836 |
| Thallium | 0.76 J |
| Vanadium | 53.2 |
| Zinc | 1720 |

**TABLE 2-160**
**SEDIMENT DATA HITS TABLE - STATION WW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WW-01 | SD-WW-02 | SD-WW-03 | SD-WW-04 | SD-WW-05 | SD-WW-06 | SD-WW-06-TR | SD-WW-07 | SD-WW-08 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| Acetone | NA | NA | NA | NA | NA | NA | 410 J | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | 330 J | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | 610 J | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | 300 J | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | 500 J | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | 480 J | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | 2.1 J | NA | NA |
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 13450 | 10700 | 9740 | 10200 | 8590 | 8510 | 8280 | 8990 | 9750 |
| Antimony | R | R | R | R | R | R | 57.3 J | R | R |
| Arsenic | 45.95 J | 50.3 J | 48.2 J | 44.8 J | 37.6 J | 42.3 J | 4.4 J | 42.6 J | 38.3 J |
| Barium | 155.5 | 129 | 152 | 204 | 170 | 187 | 125 | 167 | 259 |
| Beryllium | 0.885 | 0.87 | 0.5 U | 0.54 U | 0.22 U | 0.073 U | 0.77 J | 0.19 U | 0.065 U |
| Cadmium | 5.5 J | 9.6 J | 4.5 J | 2.9 J | 3 J | 3.6 J | 3.2 | 3.9 J | 4.2 J |
| Calcium | 10270 | 13900 | 9840 | 9800 | 11000 | 13700 | 16200 | 15100 | 12400 |
| Chromium | 8135 J | 6790 J | 3670 J | 7250 J | 15900 J | 23400 J | 6550 | 17400 J | 24600 J |
| Cobalt | 10.95 | 11.5 | 20.5 | 19.4 | 11.4 | 7.7 | 6.8 | 20.5 | 9.3 |
| Copper | 544 | 598 | 592 | 265 | 263 | 335 | 210 | 327 | 391 |
| Iron | 12800 | 9870 | 20000 | 20000 | 8050 | 7700 | 8430 | 10800 | 10600 |
| Lead | 401 J | 247 J | 176 J | 203 J | 232 J | 321 | 369 | 495 J | 393 J |
| Magnesium | 1805 | 1390 | 1200 | 2200 | 1710 | 2070 | 2520 | 2400 | 2220 |
| Manganese | 417.5 | 535 | 803 | 543 | 363 | 234 | 186 | 139 | 196 |
| Mercury | 1.8 | 1.4 | 0.7 | 0.85 | 0.96 | 1.1 | 0.09 U | 1.2 | 1.4 |
| Nickel | 28.65 | 18.9 | 20.7 | 27.2 | 20.3 | 21.5 | 21.9 | 23.4 | 28.9 |
| Potassium | 387.5 | 276 | 235 | 376 | 294 | 334 | 372 J | 354 | 321 |
| Selenium | 5.95 J | 3.7 J | 4.9 J | 5.1 J | 5.3 J | 5.7 J | 1 U | 5.1 J | 5.5 J |
| Sodium | 1530 | 1980 | 1480 | 1500 | 1400 | 1570 | 579 U | 1940 | 2350 |
| Thallium | 0.99 J | 0.65 UJ | 1.4 J | 0.92 J | 0.86 J | 1.9 J | 1.1 UJ | 2.2 J | 2.7 J |
| Vanadium | 85.55 | 39.8 | 63.1 | 103 | 57 | 52.7 | 56.9 | 60 | 79 |
| Zinc | 955.5 | 1280 | 1020 | 1030 | 920 | 1170 | 888 J | 1400 | 1890 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Acid Volatile Sulfide | NA | NA | NA | NA | NA | NA | 0.65 | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | 0.0287 | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | 1.3047 | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | 1.1423 | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | 0.0078 J | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | 0.2361 | NA | NA |
| SEM/AVS | NA | NA | NA | NA | NA | NA | 23.75 | NA | NA |
| Simultaneously Extracted Metal | NA | NA | NA | NA | NA | NA | 15.435 | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | 13.8565 | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | 760000 J | NA | NA |

**TABLE 2-160**
**SEDIMENT DATA HITS TABLE - STATION WW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WW-08-02 | SD-WW-09 | SD-WW-10 | SD-WW-11 | SD-WW-12 |
|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | |
| Acetone | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDE | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | |
| Aluminum | 6160 | 11300 | 12900 | 13600 | 13800 |
| Antimony | 1 UJ | R | R | R | R |
| Arsenic | 27.9 | 54.6 J | 52.8 J | 37.4 J | 44.2 J |
| Barium | 124 | 281 | 267 | 3420 | 577 |
| Beryllium | 0.1 U | 0.65 U | 0.64 U | 0.32 U | 0.27 U |
| Cadmium | 4.1 | 5.4 J | 3.6 J | 0.048 UJ | 2.8 J |
| Calcium | 8950 | 9770 | 9330 | 4220 | 6580 |
| Chromium | 10300 | 9520 J | 8190 J | 13000 J | 18400 J |
| Cobalt | 6.9 | 21 | 13.8 | 6.4 | 8.4 |
| Copper | 249 J | 310 | 383 | 178 | 244 |
| Iron | 6740 | 16400 | 14100 | 11200 | 10700 |
| Lead | 243 J | 315 J | 329 J | 147 J | 344 J |
| Magnesium | 1840 | 2190 | 2400 | 2250 | 2540 |
| Manganese | 149 J | 445 | 328 | 95.4 | 175 |
| Mercury | 0.7 | 1.1 | 1.3 | 0.46 | 0.74 |
| Nickel | 20.7 | 27.8 | 25 | 20.1 | 23.2 |
| Potassium | 361 | 364 | 484 | 465 | 441 |
| Selenium | 2.5 U | 5 J | 4.9 J | 3.2 J | 4.4 J |
| Sodium | 1600 J | 1910 | 1650 | 1850 | 1820 |
| Thallium | 1.5 U | 1.4 J | 0.67 UJ | 1.2 J | 1.3 J |
| Vanadium | 77.1 | 84.1 | 74.2 | 55.9 | 67.8 |
| Zinc | 1000 | 1360 | 1180 | 1460 | 1380 |
| AVS-SEM (mg/Kg) | | | | | |
| Acid Volatile Sulfide | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA |
| SEM/AVS | NA | NA | NA | NA | NA |
| Simultaneously Extracted Metal | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-01-FW | SD-01-02-FW | SD-01-03-FW | SD-01-04-FW | SD-01-05-FW | SD-01-06-FW | SD-01-06-ME | SD-01-07-FW | SD-01-07-ME |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 197 UJ | 14 UJ | 228 UJ |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 197 UJ | 14 UJ | 228 UJ |
| 1,2-Dichloroethene(total) | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | NA | 14 UJ | NA |
| 2-Butanone | 11 UJ | 12 J | 11 UJ | 20 J | 12 UJ | 26 UJ | NA | 14 UJ | NA |
| Acetone | 43 UJ | 77 UJ | 23 UJ | 120 UJ | 120 UJ | 57 UJ | NA | 24 UJ | NA |
| Benzene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 26 UJ | 14 UJ | 30 UJ |
| Carbon Disulfide | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | NA | 14 UJ | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | 62 J | NA | 58 J |
| Ethylbenzene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 26 UJ | 14 UJ | 30 UJ |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 37 UJ | 52 UJ | 11 UJ | 49 UJ | 52 UJ | 26 UJ | 197 UJ | 14 UJ | 228 UJ |
| Naphthalene | NA | NA | NA | NA | NA | NA | 197 UJ | NA | 228 UJ |
| Tetrachloroethene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 197 UJ | 14 UJ | 228 UJ |
| Toluene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | NA | 14 UJ | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | 197 UJ | NA | 228 UJ |
| Trichloroethene | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 37 J | 14 UJ | 76 UJ |
| Vinyl Chloride | 11 UJ | 12 UJ | 11 UJ | 13 UJ | 12 UJ | 26 UJ | 197 UJ | 14 UJ | 228 UJ |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | 66 UJ | NA | 76 UJ |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 20 J | 480 U | 20 J |
| Acenaphthene | 370 U | 380 U | 65 J | 420 U | 400 U | 870 UJ | 33 J | 480 U | 32 J |
| Acenaphthylene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 33 J | 480 U | 37 J |
| Anthracene | 43 J | 380 U | 120 J | 27 J | 400 U | 150 J | 92 | 480 U | 100 |
| Benzo(a)anthracene | 120 J | 380 U | 250 J | 90 J | 400 U | 650 J | 1000 | 100 J | 1100 |
| Benzo(a)pyrene | 93 J | 380 U | 210 J | 89 J | 400 U | 850 J | 930 | 130 J | 920 |
| Benzo(b)fluoranthene | 98 J | 380 U | 170 J | 90 J | 400 U | 1100 J | 1400 | 150 J | 1600 |
| Benzo(g,h,i)perylene | 370 U | 380 U | 120 J | 420 U | 400 U | 1000 J | 480 | 140 J | 510 |
| Benzo(k)fluoranthene | 100 J | 380 U | 210 J | 94 J | 400 U | 840 J | 730 | 160 J | 690 |
| bis(2-Ethylhexyl)phthalate | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Butylbenzylphthalate | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Carbazole | 370 U | 380 U | 74 J | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Chrysene | 160 J | 380 U | 290 J | 130 J | 400 U | 1100 J | 880 | 150 J | 980 |
| Dibenz(a,h)anthracene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 120 | 480 U | 110 |
| Dibenzofuran | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Diethylphthalate | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Di-n-octylphthalate | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Fluoranthene | 300 J | 110 J | 550 J | 240 J | 400 U | 1500 J | 2100 | 210 J | 2200 |
| Fluorene | 370 U | 380 U | 54 J | 420 U | 400 U | 870 UJ | 89 | 480 U | 89 |
| Indeno(1,2,3-cd)pyrene | 370 U | 380 U | 120 J | 420 U | 400 U | 880 J | 580 | 130 J | 640 |
| Naphthalene | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | 24 J | 480 U | 23 J |
| N-nitrosodiphenylamine | 370 U | 380 U | 380 U | 420 U | 400 U | 870 UJ | NA | 480 U | NA |
| Phenanthrene | 290 J | 100 J | 500 J | 200 J | 400 U | 590 J | 840 | 74 J | 900 |
| Pyrene | 290 J | 130 J | 580 J | 250 J | 400 U | 1400 J | 1900 | 260 J | 1900 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 16 J | 4.8 U | 18 J |
| 4,4'-DDE | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 24 | 4.8 U | 28 |
| 4,4'-DDT | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 2.5 J | 4.8 U | 3.2 J |
| Aldrin | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.21 J |
| alpha-BHC | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.17 J |
| alpha-Chlordane | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 9.3 J | 2.5 U | 10 J |
| Aroclor 1248 | 190 U | 38 U | 38 U | 42 U | 40 U | 430 U | 46 J | 48 U | 70 J |
| Aroclor 1254 | 190 U | 38 U | 38 U | 42 U | 40 U | 430 U | 3.1 U | 48 U | 3.1 U |
| Aroclor 1260 | 190 U | 38 U | 38 U | 42 U | 40 U | 430 U | 47 | 48 U | 69 J |
| beta-BHC | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.16 U |
| delta-BHC | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.19 J | 2.5 U | 0.16 U |
| Dieldrin | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.5 J | 4.8 U | 0.61 J |
| Endosulfan I | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.16 U |
| Endosulfan II | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.41 | 4.8 U | 0.66 |
| Endosulfan sulfate | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.67 J | 4.8 U | 0.78 J |
| Endrin | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 1.2 J | 4.8 U | 1.8 J |
| Endrin aldehyde | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 3.4 J | 4.8 U | 3.2 J |
| Endrin ketone | 19 U | 3.8 U | 3.8 U | 4.2 U | 4 U | 43 U | 0.31 U | 4.8 U | 0.31 U |
| gamma-BHC (Lindane) | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.16 U |
| gamma-Chlordane | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 6.4 J | 2.5 U | 6.8 J |
| Heptachlor | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.16 U |
| Heptachlor Epoxide | 9.6 U | 2 U | 2 U | 2.2 U | 2 U | 22 U | 0.16 U | 2.5 U | 0.16 U |
| Methoxychlor | 96 U | 20 U | 20 U | 22 U | 20 U | 220 U | 1.6 U | 25 U | 1.6 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-01-FW | SD-01-02-FW | SD-01-03-FW | SD-01-04-FW | SD-01-05-FW | SD-01-06-FW | SD-01-06-ME | SD-01-07-FW | SD-01-07-ME |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 2970 | 3000 | 3750 | 3290 | 3340 | 19000 | 12200 J | 6770 | 13200 J |
| Antimony | 0.55 J | 0.5 UJ | 0.93999 J | 0.48 UJ | 0.44 UJ | 2.2 J | 1.7 J | 0.53 J | 1.8 J |
| Arsenic | 3.1 | 2.4 | 5 | 3 | 6.2 | 171 | 78.1 | 63.3 | 111 |
| Barium | 9.5 | 8.1 | 10.8 | 10.7 | 12.6 | 53.1 | 85.8 | 29.6 | 95.1 |
| Beryllium | 0.12 U | 0.075 U | 0.21 U | 0.059 U | 0.08599 U | 1 | 0.87 J | 0.3 U | 0.98 J |
| Cadmium | 0.046 U | 0.045 | 0.18 | 0.092 | 0.089 | 37.7 | 6.8 | 3.9 | 8.5 |
| Calcium | 972 | 1040 | 1230 | 1050 | 840 | 3510 | 5420 | 1810 | 7510 |
| Chromium | 7.2 | 7.5 | 9.3 | 7.1 | 9.8 | 95.9 | 148 J | 18.3 | 192 J |
| Cobalt | 2.8 | 2.9 | 4.6 | 3.2 | 3.8 | 38.9 | 27.9 J | 14.8 | 33.1 J |
| Copper | 6.7 | 5.8 | 8.6 | 8.1 | 15 | 1250 | 305 | 155 | 436 |
| Cyanide | 0.52 U | 0.54 U | 0.47 U | 0.49 U | 0.41 U | 1.4 U | NA | 0.61 U | NA |
| Iron | 5050 | 4960 | 6800 | 4830 | 7490 | 20000 | 31800 J | 13200 | 32500 J |
| Lead | 9 J | 7.9 J | 12.2 J | 10.4 J | 39.9 J | 384 J | 413 J | 122 J | 477 J |
| Magnesium | 1310 | 1620 | 1940 | 1460 | 1320 | 3520 | 3480 | 2030 | 3430 |
| Manganese | 72.3 | 68.9 | 90.9 | 74.9 | 103 | 327 | 479 | 123 | 595 |
| Mercury | 0.022 UJ | 0.025 UJ | 0.018 U | 0.028 U | 0.023 U | 0.63 | 1 | 0.095 U | 1.1 |
| Nickel | 4.9 | 5.1 | 7.2 | 5.2 | 7 | 24.7 | 40.4 J | 10.4 | 41.3 J |
| Potassium | 380 J | 396 J | 436 J | 449 J | 351 J | 937 J | 1190 J | 1030 J | 1170 J |
| Selenium | 0.68 UJ | 0.62 UJ | 0.43 UJ | 0.59 UJ | 0.55 UJ | 2.2 UJ | 5.1 J | 0.66 UJ | 1.4 J |
| Silver | 0.34 U | 0.31 U | 0.51 | 0.3 U | 0.28 U | 0.7 U | 0.75 J | 0.33 U | 0.66 J |
| Sodium | 59.2 U | 53.7 U | 37.4 U | 51.6 U | 47.8 U | 1080 | 583 | 165 | 611 |
| Thallium | 0.8 U | 0.72 U | 0.54 | 0.68999 U | 0.64 U | 2.9 | 0.63 UJ | 1 | 0.43 UJ |
| Vanadium | 9.4 | 7.8 | 11.6 | 8.5 | 10.1 | 34.6 | 56.4 | 15.8 | 55.3 |
| Zinc | 46.1 | 53.9 | 82.9 | 81.4 | 127 | 7380 | 2080 J | 1470 | 2370 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | 4.494 J | NA | 8.239 J |
| Cadmium | 0.74 | 0.2 U | 0.14 UJ | 0.28 U | 0.21 U | 33.6 | 8.96 UJ | 3.8 | 10.08 J |
| Copper | 2.7 U | 4.4 U | 9 U | 14.6 U | 33.7 U | 635 J | 3.175 UJ | 84.2 U | 5.08 J |
| Lead | 8 | 6.9 | 11.8 | 33.1 | 31 | 372 | 387.464 J | 56 | 441.336 J |
| Mercury | 0.003 U | 0.003 U | 0.02 | 0.14 | 0.04 | 0.01 U | 10.03 U | 0.004 U | 10.03 U |
| Nickel | 1.5 U | 4 U | 24.2 U | 53.9 U | 52 U | 88.4 U | 50.4734 J | 5.7 U | 13.4987 J |
| SEM/AVS Ratio | 0.27 | 3.3 | 0.92 | 2.0 | 0.12 | 0.5 | 0.41 | 0.54 | 0.4 |
| Sulfide | 70.62 J | 9.309 J | 39.162 J | 27.927 J | 526.44 J | 7094.1 J | 2311.2 | 1325.73 J | 2564.79 |
| Zinc | 36.3 | 59.5 | 69.7 | 104 | 118 | 6430 | 1746.35 J | 1440 | 1930.87 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | 230000 J | NA | 152000 J |
| Total Organic Carbon | 114 U | 2100 | 114 U | 17000 | 116 U | 65700 | NA | 9100 | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-08-FW | SD-01-09-FW | SD-01-10-FW | SD-02-01-FW | SD-02-01-ME | SD-02-02-FW | SD-02-02-ME | SD-02-03-FW | SD-03-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 12 UJ | 13 UJ | 14 UJ | 12 U | 77 UJ | 12 U | 159 UJ | 12 U | 12 U |
| 1,1,2-Trichloro-1,2,2-trifluorc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 12 UJ | 13 UJ | 14 UJ | 12 U | 77 UJ | 12 U | 159 UJ | 12 U | 12 U |
| 1,2-Dichloroethene(total) | 12 UJ | 13 UJ | 14 UJ | 12 U | NA | 12 U | NA | 12 U | 12 U |
| 2-Butanone | 12 UJ | 13 UJ | 14 UJ | 9 J | NA | 12 U | NA | 12 U | 12 U |
| Acetone | 12 UJ | 68 UJ | 62 UJ | 52 U | NA | 16 U | NA | 31 U | 30 U |
| Benzene | 12 UJ | 13 UJ | 14 UJ | 12 U | 10 UJ | 12 U | 21 UJ | 12 U | 12 U |
| Carbon Disulfide | 12 UJ | 13 UJ | 14 UJ | 12 U | NA | 12 U | NA | 12 U | 12 U |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | 26 UJ | NA | 53 UJ | NA | NA |
| Ethylbenzene | 12 UJ | 13 UJ | 14 UJ | 12 U | 10 UJ | 12 U | 21 UJ | 12 U | 12 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 14 UJ | 62 UJ | 51 UJ | 25 U | 77 UJ | 12 U | 159 UJ | 24 U | 19 U |
| Naphthalene | NA | NA | NA | NA | 77 UJ | NA | 159 UJ | NA | NA |
| Tetrachloroethene | 12 UJ | 13 UJ | 14 UJ | 12 U | 77 UJ | 12 U | 159 UJ | 12 U | 12 U |
| Toluene | 12 UJ | 13 UJ | 14 UJ | 12 U | NA | 12 U | NA | 12 U | 12 U |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | 77 UJ | NA | 159 UJ | NA | NA |
| Trichloroethene | 12 UJ | 13 UJ | 14 UJ | 12 U | 26 UJ | 12 U | 53 UJ | 12 U | 12 U |
| Vinyl Chloride | 12 UJ | 13 UJ | 14 UJ | 12 U | 77 UJ | 12 U | 159 UJ | 12 U | 12 U |
| Xylene, m/p- | NA | NA | NA | NA | 26 UJ | NA | 53 UJ | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 390 U | 420 U | 480 U | 410 U | 12 J | 410 U | 20 J | 410 U | 390 U |
| Acenaphthene | 390 U | 420 U | 480 U | 410 U | R | 410 U | 30 J | 410 U | 390 U |
| Acenaphthylene | 390 U | 420 U | 480 U | 410 U | 22 J | 410 U | 57 J | 410 U | 390 U |
| Anthracene | 390 U | 420 U | 480 U | 75 J | 62 J | 410 U | 140 | 410 U | 390 U |
| Benzo(a)anthracene | 390 U | 420 U | 190 J | 168 J | 590 | 410 U | 1500 | 410 U | 390 U |
| Benzo(a)pyrene | 390 U | 420 U | 280 J | 190 J | 620 | 410 U | 1400 | 410 U | 390 U |
| Benzo(b)fluoranthene | 390 U | 420 U | 350 J | 180 J | 720 | 410 U | 1700 | 410 U | 390 U |
| Benzo(g,h,i)perylene | 390 U | 420 U | 310 J | 155 J | 330 | 410 U | 640 | 410 U | 390 U |
| Benzo(k)fluoranthene | 390 U | 420 U | 290 J | 160 J | 340 | 410 U | 710 | 410 U | 390 U |
| bis(2-Ethylhexyl)phthalate | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Butylbenzylphthalate | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Carbazole | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Chrysene | 390 U | 420 U | 340 J | 275 J | 660 | 410 U | 1400 | 410 U | 390 U |
| Dibenz(a,h)anthracene | 390 U | 420 U | 480 U | 410 U | 69 J | 410 U | 150 | 410 U | 390 U |
| Dibenzofuran | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Diethylphthalate | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Di-n-octylphthalate | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Fluoranthene | 390 U | 420 U | 390 J | 315 J | 1200 | 410 U | 3000 | 410 U | 390 U |
| Fluorene | 390 U | 420 U | 480 U | 410 U | 44 J | 410 U | 97 | 410 U | 390 U |
| Indeno(1,2,3-cd)pyrene | 390 U | 420 U | 270 J | 130.5 J | 420 | 410 U | 860 | 410 U | 390 U |
| Naphthalene | 390 U | 420 U | 480 U | 410 U | 13 J | 410 U | 24 J | 410 U | 390 U |
| N-nitrosodiphenylamine | 390 U | 420 U | 480 U | 410 U | NA | 410 U | NA | 410 U | 390 U |
| Phenanthrene | 390 U | 420 U | 170 J | 210 J | 390 | 410 U | 970 | 410 U | 390 U |
| Pyrene | 390 U | 420 U | 550 J | 420 J | 1100 | 410 U | 2500 | 410 U | 390 U |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 3.9 U | 4.2 U | 4.8 U | 3.875 J | 20 J | 4.1 U | 25 J | 4.1 U | 3.9 U |
| 4,4'-DDE | 3.9 U | 4.2 U | 7.9 J | 10.35 J | 26 J | 4.1 U | 30 | 4.1 U | 3.9 U |
| 4,4'-DDT | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 1.8 J | 4.1 U | 2.4 J | 4.1 U | 3.9 U |
| Aldrin | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| alpha-BHC | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| alpha-Chlordane | 2 U | 2.2 U | 2.5 U | 2.1 U | 11 J | 2.1 U | 16 | 2.1 U | 2 U |
| Aroclor 1248 | 39 U | 42 U | 48 U | 41 U | 160 J | 41 U | 180 J | 41 U | 39 U |
| Aroclor 1254 | 39 U | 42 U | 48 U | 41 U | 3.2 U | 41 U | 3.3 U | 41 U | 39 U |
| Aroclor 1260 | 39 U | 42 U | 48 U | 41 U | 140 | 41 U | 170 | 41 U | 39 U |
| beta-BHC | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| delta-BHC | 2 U | 2.2 U | 2.5 U | 2.1 U | 1.3 J | 2.1 U | 0.16 U | 2.1 U | 2 U |
| Dieldrin | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 0.45 J | 4.1 U | 0.47 | 4.1 U | 3.9 U |
| Endosulfan I | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.17 U | 2.1 U | 2 U |
| Endosulfan II | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 0.21 J | 4.1 U | 0.28 | 4.1 U | 3.9 U |
| Endosulfan sulfate | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 0.47 J | 4.1 U | 0.33 U | 4.1 U | 3.9 U |
| Endrin | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 1.3 J | 4.1 U | 1.9 | 4.1 U | 3.9 U |
| Endrin aldehyde | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 1.6 J | 4.1 U | 1.9 J | 4.1 U | 3.9 U |
| Endrin ketone | 3.9 U | 4.2 U | 4.8 U | 4.1 U | 0.32 UJ | 4.1 U | 0.33 U | 4.1 U | 3.9 U |
| gamma-BHC (Lindane) | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| gamma-Chlordane | 2 U | 2.2 U | 2.5 U | 2.1 U | 8 J | 2.1 U | 11 J | 2.1 U | 2 U |
| Heptachlor | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| Heptachlor Epoxide | 2 U | 2.2 U | 2.5 U | 2.1 U | 0.16 UJ | 2.1 U | 0.16 U | 2.1 U | 2 U |
| Methoxychlor | 20 U | 22 U | 25 U | 21 U | 1.6 UJ | 21 U | 1.6 U | 21 U | 20 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-01-08-FW | SD-01-09-FW | SD-01-10-FW | SD-02-01-FW | SD-02-01-ME | SD-02-02-FW | SD-02-02-ME | SD-02-03-FW | SD-03-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 4040 | 3240 | 5860 | 5750 | 6570 J | 5170 | 11200 J | 3220 | 3540 |
| Antimony | 0.49 UJ | 0.48 UJ | 0.63 UJ | 0.325 J | 1.9 J | 0.42 UJ | 2.1 J | 0.68 J | 0.41 J |
| Arsenic | 4.2 | 5.5 | 14 | 8.95 | 56.4 | 3.6 | 105 | 7.6 | 5.4 |
| Barium | 9.6 | 8.8 | 31 | 34.2 | 50.6 | 25.2 | 81.2 | 14 | 11.4 |
| Beryllium | 0.076 U | 0.078 U | 0.13 U | 0.14 U | 0.47 J | 0.11 U | 0.91 J | 0.067 U | 0.15 U |
| Cadmium | 0.041 U | 0.25 | 2.8 | .52 | 3.8 | 0.035 U | 16.1 | 0.23 | 0.028 U |
| Calcium | 493 | 514 | 1160 | 1435 | 2610 | 1300 | 4600 | 739 | 1620 |
| Chromium | 7 | 6.9 | 15 | 18.45 | 103 J | 7.5 | 190 J | 19.8 | 9.9 |
| Cobalt | 2.8 | 2.6 | 8.5 | 7.3 | 17 J | 5.2 | 33 J | 4 | 4 |
| Copper | 16.6 | 28.4 | 102 | 29.75 | 128 | 10.3 | 381 | 11.7 | 7.5 |
| Cyanide | 0.51 U | 0.72 U | 0.54 U | 0.59 U | NA | 0.6 U | NA | 0.68 U | 0.64 U |
| Iron | 5660 | 3830 | 9220 | 8975 | 16900 J | 8290 | 26000 J | 5200 | 5370 |
| Lead | 14.6 J | 19.1 J | 33.5 J | 365.5 J | 225 J | 5.7 J | 449 J | 15.7 J | 10.1 |
| Magnesium | 1360 | 913 | 2430 | 2445 | 2150 | 2650 | 2510 | 1560 | 1720 |
| Manganese | 60.4 | 48.5 | 116 | 116.5 | 206 | 92 | 390 | 70.4 | 69.1 |
| Mercury | 0.015 UJ | 0.024 U | 0.2 | .063 | 0.37 | 0.021 U | 1.1 | 0.031 U | 0.06 J |
| Nickel | 6.4 | 4.8 | 8.1 | 8.35 | 21.5 J | 6.2 | 31 J | 6.9 | 5.4 |
| Potassium | 288 J | 224 J | 1160 J | 550.5 J | 640 J | 862 J | 784 J | 390 J | 519 J |
| Selenium | 0.61 UJ | 0.6 UJ | 0.79 UJ | 0.43 UJ | 1.6 J | 0.53 UJ | 2 J | 0.67 UJ | 0.43 U |
| Silver | 0.3 U | 0.3 U | 0.39 U | 0.22 U | 0.4 J | 0.26 U | 0.91 J | 0.33 U | 0.21 U |
| Sodium | 52.7 U | 51.6 U | 68.2 U | 37.4 U | 197 | 45.7 U | 382 | 57.7 U | 37 U |
| Thallium | 0.71 U | 0.68999 U | 0.92 U | 0.469995 J | 0.53 UJ | 0.82 | 0.48 UJ | 0.78 U | 0.5 U |
| Vanadium | 7.3 | 6.5 | 16.3 | 16.5 | 32.2 | 15.3 | 46.1 | 9.7 | 9.6 |
| Zinc | 153 | 158 | 7670 | 245.5 | 992 J | 34.8 | 5170 J | 93.9 | 90.6 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | 3.745 U | NA | 3.745 J | NA | NA |
| Cadmium | 1.8 | 0.44 U | 5.8 | .89 | 5.6 U | 0.1 U | 16.8 J | 0.43 U | 0.3 U |
| Copper | 9.6 U | 14.3 U | 93.9 U | 12.3 U | 3.175 UJ | 14.2 U | 3.175 UJ | 85 U | 12 U |
| Lead | 14.9 | 19.6 | 55.2 | 233 | 171.976 J | 7.4 | 389.536 J | 20.1 | 17.1 |
| Mercury | 0.01 | 0.004 U | 0.004 U | 0.004 U | 10.03 U | 0.003 U | 10.03 U | 0.02 | 0.02 |
| Nickel | 1.8 U | 2.2 U | 4 U | 2.3 U | 8.2166 J | 26.6 U | 28.7581 J | 38.4 U | 67.4 U |
| SEM/AVS Ratio | 3.8 | 3.7 | 0.71 | 16.95 | 0.35 | 0.69 | 0.3 | 0.091 | 0.40 |
| Sulfide | 12.84 J | 19.26 J | 940.53 J | 84.744 J | 1113.87 | 19.902 J | 4140.9 | 593.85 J | 117.486 J |
| Zinc | 92.8 | 139 | 1340 | 293 | 738.08 J | 25.8 | 2418.53 J | 104 | 90.9 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | 125000 J | NA | 160000 J | NA | NA |
| Total Organic Carbon | 830 | 2410 | 11000 | 6525 | NA | 9420 | NA | 2690 | 1170 |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-03-02-FW | SD-03-02-ME | SD-03-03-FW | SD-04-01-FW | SD-04-02-FW | SD-04-02-ME | SD-04-03-FW | SD-04-03-ME | SD-05-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 24 U | 132 UJ | 12 U | 15 UJ | 23 UJ | 180 U | 26 UJ | 221 U | 12 UJ |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 24 U | 132 UJ | 12 U | 15 UJ | 23 UJ | 180 U | 26 UJ | 221 U | 12 UJ |
| 1,2-Dichloroethene(total) | 24 U | NA | 12 U | 15 UJ | 23 UJ | NA | 26 UJ | NA | 12 UJ |
| 2-Butanone | 70 | NA | 12 U | 15 UJ | 23 UJ | NA | 82 J | NA | 12 UJ |
| Acetone | 310 U | NA | 12 U | 64 U | 48 U | NA | 340 UJ | NA | 12 UJ |
| Benzene | 24 U | 9 J | 12 U | 15 UJ | 23 UJ | 24 UJ | 26 UJ | 32 UJ | 12 UJ |
| Carbon Disulfide | 24 U | NA | 12 U | 15 UJ | 23 UJ | NA | 26 UJ | NA | 12 UJ |
| cis-1,2-Dichloroethene | NA | 28 J | NA | NA | NA | 60 UJ | NA | 74 UJ | NA |
| Ethylbenzene | 24 U | 18 UJ | 12 U | 15 UJ | 23 UJ | 24 UJ | 26 UJ | 29 UJ | 12 UJ |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 24 U | 132 UJ | 12 U | 36 UJ | 23 UJ | 180 U | 29 UJ | 221 U | 12 UJ |
| Naphthalene | NA | 132 UJ | NA | NA | NA | 180 U | NA | 221 U | NA |
| Tetrachloroethene | 24 U | 132 UJ | 12 U | 15 UJ | 23 UJ | 180 U | 26 UJ | 221 U | 12 UJ |
| Toluene | 24 U | NA | 12 U | 15 UJ | 23 UJ | NA | 26 UJ | NA | 12 UJ |
| trans-1,2-Dichloroethene | NA | 132 UJ | NA | NA | NA | 180 U | NA | 221 U | NA |
| Trichloroethene | 24 U | 44 UJ | 12 U | 15 UJ | 23 UJ | 60 UJ | 26 UJ | 74 UJ | 12 UJ |
| Vinyl Chloride | 24 U | 132 UJ | 12 U | 15 UJ | 23 UJ | 180 U | 26 UJ | 221 U | 12 UJ |
| Xylene, m/p- | NA | 44 UJ | NA | NA | NA | 60 UJ | NA | 74 UJ | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 800 U | 16 J | 400 U | 510 U | 750 U | 41 J | 870 UJ | 70 | 390 UJ |
| Acenaphthene | 800 U | 45 J | 400 U | 510 U | 140 J | 110 J | 340 J | 170 J | 390 UJ |
| Acenaphthylene | 800 U | 39 J | 400 U | 510 U | 750 U | 170 | 350 J | 160 | 390 UJ |
| Anthracene | 81 J | 120 | 400 U | 180 J | 560 J | 420 | 960 J | 640 | 390 UJ |
| Benzo(a)anthracene | 320 J | 1300 | 400 U | 610 J | 2000 J | 3100 | 3900 J | 3200 | 150 J |
| Benzo(a)pyrene | 420 J | 1000 | 400 U | 600 J | 2000 J | 4100 | 4200 J | 3500 | 170 J |
| Benzo(b)fluoranthene | 800 U | 1400 | 400 U | 600 J | 1800 J | 5100 | 4800 J | 6000 | 390 UJ |
| Benzo(g,h,i)perylene | 350 J | 570 | 400 U | 460 J | 1200 J | 1900 | 2300 J | 2100 | 120 J |
| Benzo(k)fluoranthene | 800 U | 640 | 400 U | 490 J | 1900 J | 2100 | 3500 J | 3800 | 390 UJ |
| bis(2-Ethylhexyl)phthalate | 800 U | NA | 400 U | 510 U | 750 U | NA | 930 UJ | NA | 390 UJ |
| Butylbenzylphthalate | 800 U | NA | 400 U | 510 U | 750 U | NA | 870 UJ | NA | 390 UJ |
| Carbazole | 800 U | NA | 400 U | 510 U | 130 J | NA | 400 J | NA | 390 UJ |
| Chrysene | 590 J | 1300 | 400 U | 750 J | 2700 J | 3700 | 5900 J | 3800 | 220 J |
| Dibenz(a,h)anthracene | 800 U | 110 | 400 U | 150 J | 490 J | 720 | 1100 J | 890 | 390 UJ |
| Dibenzofuran | 800 U | NA | 400 U | 510 U | 750 U | NA | 170 J | NA | 390 UJ |
| Diethylphthalate | 800 U | NA | 400 U | 510 U | 750 U | NA | 870 UJ | NA | 390 UJ |
| Di-n-octylphthalate | 800 U | NA | 400 U | 510 U | 750 U | NA | 870 UJ | NA | 390 UJ |
| Fluoranthene | 740 J | 2600 | 400 U | 1400 J | 4200 J | 8300 | 7100 J | 8500 | 340 J |
| Fluorene | 800 U | 150 | 400 U | 510 U | 180 J | 290 | 470 J | 490 | 390 UJ |
| Indeno(1,2,3-cd)pyrene | 330 J | 620 | 400 U | 380 J | 1100 J | 2600 | 2100 J | 2500 | 100 J |
| Naphthalene | 800 U | 18 J | 400 U | 510 U | 750 U | 56 J | 160 J | 96 J | 390 UJ |
| N-nitrosodiphenylamine | 800 U | NA | 400 U | 510 U | 750 U | NA | 870 UJ | NA | 390 UJ |
| Phenanthrene | 370 J | 1000 | 400 U | 700 J | 2100 J | 3200 | 4600 J | 3400 | 190 J |
| Pyrene | 880 J | 2600 | 400 U | 1400 J | 3800 J | 6700 | 7000 J | 6000 | 310 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 21 | 94 | 4 U | 25 U | 37 U | 160 | 140 J | 37 J | R |
| 4,4'-DDE | 18 J | 29 | 4 U | 25 U | 37 U | 91 | 56 J | 20 J | R |
| 4,4'-DDT | 8 U | 5.8 J | 4 U | 25 U | 37 U | 21 J | R | 4.4 J | R |
| Aldrin | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.3 J | R |
| alpha-BHC | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| alpha-Chlordane | 5.2 J | 11 J | 2.1 U | 13 U | 19 U | 21 | R | 29 J | R |
| Aroclor 1248 | 80 U | 160 J | 40 U | 250 U | 370 U | 200 J | R | 44 J | R |
| Aroclor 1254 | 80 U | 3.2 U | 40 U | 250 U | 370 U | 2.6 U | R | 3.3 U | R |
| Aroclor 1260 | 80 U | 110 | 40 U | 250 U | 370 U | 94 | R | 160 | R |
| beta-BHC | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| delta-BHC | 4.1 U | 2.3 J | 2.1 U | 13 U | 19 U | 1.9 U | R | 1.3 J | R |
| Dieldrin | 8 U | 3.2 U | 4 U | 25 U | 37 U | 3.9 U | R | 0.73 J | R |
| Endosulfan I | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| Endosulfan II | 8 U | 3.2 U | 4 U | 25 U | 37 U | 3.9 U | R | 0.49 | R |
| Endosulfan sulfate | 8 U | 3.2 U | 4 U | 25 U | 37 U | 3.9 U | R | 0.33 J | R |
| Endrin | 8 U | 3.2 U | 4 U | 25 U | 37 U | 5 J | R | 3.2 J | R |
| Endrin aldehyde | 8.7 J | 3.2 U | 4 U | 25 U | 37 U | 11 J | R | 4.9 J | R |
| Endrin ketone | 8 U | 3.2 U | 4 U | 25 U | 37 U | 3.9 U | R | 0.33 U | R |
| gamma-BHC (Lindane) | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| gamma-Chlordane | 4.1 U | 9.3 J | 2.1 U | 13 U | 19 U | 16 J | R | 22 J | R |
| Heptachlor | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| Heptachlor Epoxide | 4.1 U | 1.6 U | 2.1 U | 13 U | 19 U | 1.9 U | R | 0.16 U | R |
| Methoxychlor | 41 U | 16 U | 21 U | 130 U | 190 U | 19 U | R | 1.6 U | R |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-03-02-FW | SD-03-02-ME | SD-03-03-FW | SD-04-01-FW | SD-04-02-FW | SD-04-02-ME | SD-04-03-FW | SD-04-03-ME | SD-05-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 6050 | 6720 J | 2730 | 3190 | 5780 | 17700 J | 12800 | 11500 J | 4770 |
| Antimony | 1.3 J | 1.7 J | 0.55 UJ | 1 J | 0.93 UJ | 11.1 J | 2.6 J | 1.8 J | 0.44 J |
| Arsenic | 39.6 | 86.5 | 7.1 | 16.5 | 37.6 | 1570 | 58.7 | 98.6 | 9.8 |
| Barium | 31.8 | 84.6 | 9 | 11.6 | 18.6 | 77.3 | 89.8 | 175 | 21.3 |
| Beryllium | 0.42 | 0.59 J | 0.12 U | 0.2 U | 0.4 | 1.7 J | 0.71 | 0.86 J | 0.18 |
| Cadmium | 3.3 | 5.2 | 0.045 U | 0.8 | 6.1 | 19.1 | 4.1 | 7.4 | 0.03 U |
| Calcium | 3900 | 4410 | 1380 | 1560 | 1300 | 5900 | 3730 | 6310 | 1440 |
| Chromium | 79.7 | 200 J | 9.6 | 27 | 59.5 | 3000 J | 148 | 240 J | 17.1 |
| Cobalt | 15.9 | 21.4 J | 4.1 | 6.8 | 11.3 | 42.7 J | 22 | 21.6 J | 5.5 |
| Copper | 117 | 171 | 6.4 | 54.8 | 204 | 1080 | 208 | 323 | 21.7 |
| Cyanide | 1.5 U | NA | 0.63 U | 0.67 U | 1.2 U | NA | 1.6 U | NA | 0.61 U |
| Iron | 12300 | 21900 J | 4450 | 7060 | 6650 | 86200 J | 20400 | 31600 J | 14200 |
| Lead | 128 | 345 J | 17.8 | 75.7 | 166 | 425 J | 465 | 487 J | 103 |
| Magnesium | 1740 | 1790 | 1330 | 1200 | 1170 | 1400 | 3490 | 3470 | 2580 |
| Manganese | 294 | 503 | 70.6 | 85.4 | 51.9 | 803 | 247 | 1010 | 222 |
| Mercury | 0.26 J | 0.71 | 0.04 UJ | 0.06 J | 0.77 J | 13.6 | 0.96 J | 1.7 | 0.04 UJ |
| Nickel | 12.1 | 26.7 J | 4.9 | 5.8 | 6.4 | 41.2 J | 17.9 | 33.6 J | 10.7 |
| Potassium | 630 J | 604 J | 530 J | 257 UJ | 369 UJ | 476 J | 974 J | 1120 J | 755 J |
| Selenium | 2 U | 4.2 J | 0.68 U | 1.2 UJ | 1.4 UJ | 1.8 J | 2.7 U | 2 J | 0.46 U |
| Silver | 0.54 U | 0.69 J | 0.38 UJ | 0.38 U | 0.58 U | 0.59 J | 0.64 U | 0.91 J | 0.23 U |
| Sodium | 279 | 321 | 59.1 U | 103 | 837 | 330 | 213 | 347 | 39.5 U |
| Thallium | 1.3 U | 0.43 UJ | 0.8 U | 0.88 U | 1.4 U | 0.44 UJ | 1.6 | 0.43 UJ | 0.85 |
| Vanadium | 19.9 | 49.2 | 7.9 | 13.5 | 12.3 | 63.8 | 40.6 | 55.7 | 13.7 |
| Zinc | 1330 | 1420 J | 60.4 | 415 | 1930 | 4330 J | 1290 | 1590 J | 118 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | 3.745 U | NA | NA | NA | 6.741 J | NA | 5.992 J | NA |
| Cadmium | 4.4 | 8.96 UJ | 0.24 U | 2.1 | 7.5 | 8.96 UJ | 6 | 6.72 UJ | 0.28 J |
| Copper | 62.3 U | 3.175 UJ | 3.7 U | 54.5 U | 200 J | 3.175 UJ | 40.5 U | 3.175 UJ | 11.9 U |
| Lead | 117 | 350.168 J | 11.8 | 167 | 163 | 406.112 J | 466 | 331.52 J | 36.3 |
| Mercury | 0.01 U | 10.03 U | 0.003 U | 0.01 U | 0.01 U | 10.03 U | 0.01 U | 10.03 U | 0.01 U |
| Nickel | 7.7 U | 57.5162 J | 7.2 U | 48 U | 101 J | 14.0856 J | 99.3 J | 19.9546 J | 2.2 U |
| SEM/AVS Ratio | 0.38 | 0.32 | 0.61 | 0.3 | 0.32 | 0.99 | 0.55 | 0.91 | 5.5 |
| Sulfide | 2003.04 J | 2824.8 | 55.854 J | 1206.96 J | 4076.7 J | 754.35 | 1383.51 J | 600.27 | 7.704 J |
| Zinc | 1500 | 1647.5 J | 65.9 | 689 | 2310 | 1383.9 J | 1290 | 995.09 J | 74.6 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | 195000 J | NA | 21500 | 54400 | 193000 J | 93400 | 255000 J | 3840 |
| Total Organic Carbon | 55000 | NA | 602 | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-05-02-FW | SD-05-03-FW | SD-05-03-ME | SD-06-01-FW | SD-06-02-FW | SD-06-03-FW | SD-06-03-ME | SD-06-03-TR | SD-07-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 12 UJ | 20 UJ | 28 U | 22 U | 20 U | 29 U | 96 U | 26 U | 13 U |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | 26 U | NA |
| 1,1-Dichloroethane | 12 UJ | 20 UJ | 28 U | 22 U | 20 U | 29 U | 96 U | R | 13 U |
| 1,2-Dichloroethene(total) | 12 UJ | 9 J | NA | 22 U | 20 U | 29 U | NA | NA | 13 U |
| 2-Butanone | 12 UJ | 39 J | NA | 62 | 45 | 45 | NA | R | 10.25 J |
| Acetone | 12 UJ | 180 UJ | NA | 280 UJ | 200 UJ | 170 UJ | NA | 190 U | 29 UJ |
| Benzene | 12 UJ | 20 UJ | 6 J | 22 U | 20 U | 29 U | 17 J | R | 13 U |
| Carbon Disulfide | 12 UJ | 20 UJ | NA | 22 U | 20 U | 29 U | NA | R | 13 U |
| cis-1,2-Dichloroethene | NA | NA | 7 J | NA | NA | NA | 38 J | R | NA |
| Ethylbenzene | 12 UJ | 20 UJ | 5 J | 22 U | 20 UJ | 29 UJ | 9 J | R | 13 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | 35 J | NA |
| Methylene Chloride | 12 UJ | 20 UJ | 28 U | 33 U | 20 U | 56 U | 96 U | 29 UJ | 14 U |
| Naphthalene | NA | NA | 17 J | NA | NA | NA | 70 J | NA | NA |
| Tetrachloroethene | 12 UJ | 20 UJ | 28 U | 22 U | 20 UJ | 29 UJ | 96 U | R | 13 U |
| Toluene | 12 UJ | 20 UJ | NA | 22 U | 20 UJ | 29 UJ | NA | R | 13 U |
| trans-1,2-Dichloroethene | NA | NA | 28 U | NA | NA | NA | 96 U | R | NA |
| Trichloroethene | 12 UJ | 20 UJ | 6 J | 22 U | 20 U | 29 U | 52 J | R | 13 U |
| Vinyl Chloride | 12 UJ | 20 UJ | 28 U | 22 U | 20 U | 29 U | 96 U | R | 13 U |
| Xylene, m/p- | NA | NA | 10 J | NA | NA | NA | 25 J | R | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 410 U | 650 UJ | 55.5 J | 730 U | 650 U | 2900 U | 40 J | 630 U | 430 U |
| Acenaphthene | 410 U | 100 J | 102 J | 730 U | 650 U | 2900 U | 130 J | 630 U | 430 U |
| Acenaphthylene | 410 U | 250 J | 36 J | 130 J | 110 J | 2900 U | 120 | 630 U | 430 U |
| Anthracene | 410 U | 520 J | 245 | 260 J | 210 J | 1300 J | 550 | 64 J | 131 J |
| Benzo(a)anthracene | 130 J | 2300 J | 1015 | 790 | 640 J | 3000 | 4200 J | 310 J | 415 J |
| Benzo(a)pyrene | 130 J | 2500 J | 735 | 980 | 800 | 2300 J | 5100 J | 370 J | 490 J |
| Benzo(b)fluoranthene | 130 J | 3000 J | 735 | 730 U | 960 | 2400 J | 6100 J | 610 J | 555 |
| Benzo(g,h,i)perylene | 410 U | 1200 J | 305 | 560 J | 460 J | 1700 J | 1900 J | 150 J | 325 J |
| Benzo(k)fluoranthene | 120 J | 1900 J | 446.75 J | 730 U | 690 | 2400 J | 1300 J | 160 J | 480 J |
| bis(2-Ethylhexyl)phthalate | 410 U | 650 UJ | NA | 2800 U | 3000 | 3300 U | NA | 430 J | 790 U |
| Butylbenzylphthalate | 410 U | 650 UJ | NA | 730 U | 650 U | 2900 U | NA | 630 U | 430 U |
| Carbazole | 410 U | 220 J | NA | 98 J | 650 UJ | 2900 UJ | NA | 630 U | 251 J |
| Chrysene | 160 J | 2900 J | 935 | 1200 | 1100 | 3800 | 6900 J | 450 J | 670 J |
| Dibenz(a,h)anthracene | 410 U | 650 UJ | 112.5 | 730 U | 650 U | 2900 U | 720 J | 630 U | 430 U |
| Dibenzofuran | 410 U | 87 J | NA | 730 U | 650 U | 2900 U | NA | 630 U | 430 U |
| Diethylphthalate | 410 U | 650 UJ | NA | 730 U | 650 U | 2900 U | NA | 630 U | 430 U |
| Di-n-octylphthalate | 410 U | 650 UJ | NA | 730 U | 650 U | 2900 U | NA | 630 U | 430 U |
| Fluoranthene | 260 J | 4400 J | 2250 | 1800 | 1600 J | 11000 | 9900 | 780 | 1250 J |
| Fluorene | 410 U | 230 J | 225 J | 110 J | 650 U | 430 J | 400 | 630 U | 430 U |
| Indeno(1,2,3-cd)pyrene | 64 J | 1200 J | 355 | 500 J | 390 J | 1400 J | 2400 J | 150 J | 290 J |
| Naphthalene | 410 U | 83 J | 34.5 J | 730 U | 650 U | 2900 U | 53 J | 630 U | 430 U |
| N-nitrosodiphenylamine | 410 U | 650 UJ | NA | 730 U | 650 UJ | 2900 U | NA | 630 U | 430 U |
| Phenanthrene | 110 J | 2200 J | 1750 J | 830 | 660 J | 6300 | 5200 | 340 J | 400 J |
| Pyrene | 250 J | 4100 J | 2100 | 1600 | 1100 | 6100 | 7500 | 600 J | 840 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 21 U | R | 180 | 94 J | 92 J | 87 J | 79 | 2.2 | 21 U |
| 4,4'-DDE | 21 U | R | 35.5 | 91 J | 92 J | 100 J | 71 | 2.6 | 21 U |
| 4,4'-DDT | 21 U | R | 9.25 J | 32 J | R | 49 U | 15 J | 1.3 U | 21 U |
| Aldrin | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| alpha-BHC | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| alpha-Chlordane | 11 U | R | 13.05 J | 31 J | 32 J | 27 J | 80 | 0.63 U | 9.25 J |
| Aroclor 1248 | 210 U | R | 120 J | 370 U | R | 490 U | 120 J | 13 U | 210 U |
| Aroclor 1254 | 210 U | R | 3.3 U | 370 U | R | 490 U | 3.2 U | 13 U | 210 U |
| Aroclor 1260 | 210 U | R | 74.5 | 370 U | R | 490 U | 82 | 13 U | 210 U |
| beta-BHC | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| delta-BHC | 11 U | R | 3.65 J | 19 U | R | 25 U | 25 J | 0.63 U | 11 U |
| Dieldrin | 21 U | R | 2.925 J | 37 U | R | 49 U | 5 J | 1.3 U | 21 U |
| Endosulfan I | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| Endosulfan II | 21 U | R | 3.3 U | 37 U | R | 49 U | 3.2 U | 1.3 U | 21 U |
| Endosulfan sulfate | 21 U | R | 3.3 U | 37 U | R | 49 U | 3.2 U | 1.3 U | 21 U |
| Endrin | 21 U | R | 3.3 U | 37 U | R | 49 U | 17 J | 1.3 U | 21 U |
| Endrin aldehyde | 21 U | R | 3.3 U | 37 U | R | 49 U | 3.2 U | 1.3 U | 21 U |
| Endrin ketone | 21 U | R | 3.3 U | 37 U | R | 49 U | 3.2 U | 1.3 U | 21 U |
| gamma-BHC (Lindane) | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| gamma-Chlordane | 11 U | R | 11.65 J | 19 U | R | 25 U | 48 J | 0.63 U | 11 U |
| Heptachlor | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| Heptachlor Epoxide | 11 U | R | 1.7 U | 19 U | R | 25 U | 1.6 U | 0.63 U | 11 U |
| Methoxychlor | 110 U | R | 17 U | 190 U | R | 250 U | 16 U | 6.3 U | 110 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-05-02-FW | SD-05-03-FW | SD-05-03-ME | SD-06-01-FW | SD-06-02-FW | SD-06-03-FW | SD-06-03-ME | SD-06-03-TR | SD-07-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 6470 | 4470 | 4580 J | 5560 | 4780 | 10300 | 14300 | 8800 | 5160 |
| Antimony | 1 J | 1.8 J | 1.37 J | 1.8 J | 1.2 J | 2.8 J | 2.5 J | 2.7 | 0.935 J |
| Arsenic | 5.1 | 24.8 | 9.85 | 25.1 | 21.8 | 58.1 | 135 | 67.3 | 18.35 |
| Barium | 43.2 | 24.4 | 39.3 | 30.2 | 28.9 | 66.7 | 130 | 82.6 | 21.35 |
| Beryllium | 0.28 | 0.3 | 0.295 J | 0.32 | 0.28 | 0.58 | 1 | 0.6 J | .24 |
| Cadmium | 0.043 U | 1.6 | .62 | 1.7 | 1.5 | 4 | 7.7 | 5.5 | .645 |
| Calcium | 1850 | 1480 | 1340 | 2080 | 1740 | 4020 | 5510 | 3600 | 1630 |
| Chromium | 15 | 149 | 68.45 J | 196 | 172 | 442 | 403 | 197 | 67.7 |
| Cobalt | 7.4 | 16 | 5 J | 9.3 | 6 | 13.7 | 20.9 | 13.7 J | 7.7 |
| Copper | 10.9 | 80.3 | 43.15 | 101 | 83.9 | 198 | 389 | 219 | 49.4 |
| Cyanide | 0.6 U | 0.98 U | NA | 1 U | 2.2 | 1.5 U | NA | NA | 0.57 U |
| Iron | 13400 | 7990 | 9060 J | 10000 | 9930 | 19700 | 40600 | 20900 | 9725 |
| Lead | 39.3 | 145 | 655 J | 193 | 361 | 394 | 455 | 354 | 80.7 |
| Magnesium | 4440 | 1400 | 1845 | 1640 | 1610 | 2970 | 4260 | 2930 | 2540 |
| Manganese | 952 | 125 | 97.45 | 428 | 296 | 326 | 1630 | 628 | 108.55 |
| Mercury | 0.05 UJ | 1.2 J | .225 | 0.49 J | 0.4 J | 0.79 J | 2.6 | 0.69 J | 0.28 J |
| Nickel | 8.6 | 6.8 | 11 J | 13.8 | 10.7 | 21 | 32.2 | 19.5 | 14.55 |
| Potassium | 634 J | 487 UJ | 535.5 J | 699 J | 551 J | 989 J | 1380 | 837 J | 702 J |
| Selenium | 0.64 U | 2.1 U | 0.53 U | 1.4 UJ | 0.92 UJ | 2.1 U | 3.4 J | 0.99 U | 0.52 UJ |
| Silver | 0.32 U | 0.54 U | 0.455 J | 0.51 U | 0.39 UJ | 0.57 UJ | 0.18 J | 0.99 U | 0.2 U |
| Sodium | 55.9 U | 216 | 94.15 | 684 | 560 | 755 | 617 U | 214 | 30.85 J |
| Thallium | 0.97 | 1.3 U | 0.04 UJ | 1.2 U | 0.89 U | 1.2 | 0.77 U | 1.1 U | .815 |
| Vanadium | 19.4 | 12.5 | 23.55 | 24.5 | 25.9 | 47.6 | 60.2 | 29.9 | 17.2 |
| Zinc | 111 | 571 | 135 J | 420 | 384 | 1080 | 1630 | 971 J | 297.5 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | 3.745 U | NA | NA | NA | 12.733 J | NA | NA |
| Cadmium | 0.21 J | 4.9 | 5.6 U | 3.1 | 2.9 | 5.3 | 6.72 | 4.8608 | 1.1 |
| Copper | 13.3 U | 195 | 15.39875 J | 158 J | 166 J | 148 J | 5.08 | 155.2829 | 25.6 U |
| Lead | 20.8 | 334 | 202.02 J | 248 | 455 | 417 | 319.088 | 268.65552 | 74.65 |
| Mercury | 0.01 U | 0.01 UJ | 10.03 U | 0.01 U | 0.01 U | 0.01 U | R | 0.1003 J | 0.004 U |
| Nickel | 34.1 U | 49.8 U | 4.6952 J | 120 J | 96.1 J | 98.8 J | 22.8891 J | 11.714524 | 5.6 U |
| SEM/AVS Ratio | 3.6 | 0.56 | 0.215 | 0.23 | 0.061 | 0.054 | 2.44 | 21.8 | 0.22 |
| Sulfide | 12.519 J | 1527.96 J | 642 | 2125.02 J | 8602.8 J | 13321.5 J | 174.624 | 21.186 J | 741.51 J |
| Zinc | 84.8 | 1460 | 201.654 J | 606 | 653 | 1070 | 738.08 J | 680.2254 J | 304 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 1840 | 56000 | 59100 J | 46700 | 41600 | 69900 | 197000 J | NA | 15150 |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | 100000 | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-02-FW | SD-07-02-ME | SD-07-03-FW | SD-07-04-FW | SD-07-05-FW | SD-07-05-ME | SD-07-06-FW | SD-07-07-FW | SD-07-08-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 24 U | 74 UJ | 13 U | 27 U | R | 79 UJ | 26 U | 28 U | 16 U |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 24 U | 74 UJ | 13 U | 27 U | R | 79 UJ | 26 U | 28 U | 16 U |
| 1,2-Dichloroethene(total) | 24 U | NA | 13 U | 27 U | R | NA | 26 U | 28 U | 16 U |
| 2-Butanone | 24 U | NA | 13 U | 89 | 47 J | NA | 26 U | 28 U | 16 U |
| Acetone | 44 UJ | NA | 21 UJ | 280 UJ | R | NA | 140 UJ | 100 UJ | 62 UJ |
| Benzene | 24 U | 10 UJ | 13 U | 27 U | R | 11 UJ | 26 U | 28 U | 16 U |
| Carbon Disulfide | 24 U | NA | 13 U | 27 U | R | NA | 26 U | 28 U | 16 U |
| cis-1,2-Dichloroethene | NA | 20 J | NA | NA | NA | 18 J | NA | NA | NA |
| Ethylbenzene | 24 U | 5 J | 13 U | 27 U | R | 11 UJ | 26 U | 28 U | 16 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 44 U | 74 UJ | 30 U | 27 UJ | R | 79 UJ | 180 U | 150 U | 57 U |
| Naphthalene | NA | 74 UJ | NA | NA | NA | 79 UJ | NA | NA | NA |
| Tetrachloroethene | 24 U | 74 UJ | 13 U | 27 U | R | 79 UJ | 26 U | 28 U | 16 U |
| Toluene | 24 U | NA | 13 U | 27 U | R | NA | 26 U | 28 U | 16 U |
| trans-1,2-Dichloroethene | NA | 74 UJ | NA | NA | NA | 79 UJ | NA | NA | NA |
| Trichloroethene | 24 U | 16 J | 13 U | 27 U | R | 24 J | 26 U | 28 U | 16 U |
| Vinyl Chloride | 24 U | 74 UJ | 13 U | 27 U | R | 79 UJ | 26 U | 28 U | 16 U |
| Xylene, m/p- | NA | 25 UJ | NA | NA | NA | 26 UJ | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 1600 U | 45 J | 120 J | 110 J | R | 44 J | 1700 U | 920 U | 540 U |
| Acenaphthene | 200 J | 220 J | 320 J | 240 J | 340 J | 170 J | 270 J | 110 J | 540 U |
| Acenaphthylene | 1600 U | 140 | 67 J | 320 J | R | 130 | 210 J | 920 U | 96 J |
| Anthracene | 450 J | 740 | 550 | 470 J | 950 J | 880 | 890 J | 270 J | 170 J |
| Benzo(a)anthracene | 2200 | 6000 | 1200 | 2800 | 6400 J | 5200 | 5300 | 2400 | 790 |
| Benzo(a)pyrene | 2300 | 6000 | 800 | 3200 J | 6300 J | 5700 | 4600 | 2000 | 890 |
| Benzo(b)fluoranthene | 4400 | 8800 J | 1400 | 5800 J | 12000 J | 7800 J | 9400 | 4300 | 1900 |
| Benzo(g,h,i)perylene | 2000 | 3300 | 270 J | 890 UJ | 2300 J | 3400 | 1600 J | 780 J | 580 |
| Benzo(k)fluoranthene | 4800 | 4100 J | 1600 | 5300 J | 14000 J | 1800 J | 10000 | 4700 | 1900 |
| bis(2-Ethylhexyl)phthalate | 6000 J | NA | 390 J | 6500 J | 13000 J | NA | 8300 | 3500 | 1200 J |
| Butylbenzylphthalate | 340 J | NA | 420 U | 280 J | 620 J | NA | 480 J | 160 J | 540 UJ |
| Carbazole | 290 J | NA | 90 J | 290 J | 580 J | NA | 640 J | 210 J | 83 J |
| Chrysene | 3000 | 6600 | 980 | 4400 | 9800 J | 6000 | 6800 | 3000 | 1100 |
| Dibenz(a,h)anthracene | 400 J | 1200 J | 82 J | 890 UJ | 480 J | 1400 J | 330 J | 160 J | 120 J |
| Dibenzofuran | 1600 U | NA | 140 J | 140 J | R | NA | 190 J | 920 U | 540 U |
| Diethylphthalate | 1600 U | NA | 420 U | 240 J | R | NA | 1700 U | 920 U | 540 U |
| Di-n-octylphthalate | 1600 U | NA | 420 U | 890 UJ | 430 J | NA | 290 J | 140 J | 540 U |
| Fluoranthene | 4200 | 14000 | 2300 | 6200 | 15000 J | 14000 | 12000 | 5300 | 1000 |
| Fluorene | 360 J | 640 | 430 | 330 J | 530 J | 500 | 390 J | 160 J | 100 J |
| Indeno(1,2,3-cd)pyrene | 1700 | 4200 | 220 J | 890 UJ | 2600 J | 4200 | 1800 | 900 J | 500 J |
| Naphthalene | 1600 U | 61 J | 52 J | 86 J | NA | 57 J | 1700 U | 920 U | 540 U |
| N-nitrosodiphenylamine | 1600 U | NA | 420 U | 890 U | R | NA | 1700 U | 920 U | 540 U |
| Phenanthrene | 2700 | 8500 | 1700 | 2700 | 4900 J | 4800 | 5400 | 1300 | 800 |
| Pyrene | 7700 | 9500 | 1800 | 4500 | 12000 J | 9800 | 9000 J | 4100 | 1700 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 42 | 47 | 23 J | 64 J | 48 J | 39 J | 34 | 18 | 32 |
| 4,4'-DDE | 42 | 19 J | 12 J | 37 J | 55 J | 41 | 32 | 20 | 19 |
| 4,4'-DDT | 32 | 21 J | 3.8 J | 24 J | 41 J | 18 J | 11 | 15 | 9.1 |
| Aldrin | 4.1 U | 1.6 U | 0.5 J | 4.8 J | R | 1.6 U | 5 | 2.8 J | 0.24 J |
| alpha-BHC | 2.7 J | 1.6 U | 2.2 U | 0.45 J | 2.5 J | 1.6 U | 4.4 U | 0.31 J | 0.46 J |
| alpha-Chlordane | 39 | 49 J | 27 J | 43 J | 45 J | 64 | 32 | 19 | 11 |
| Aroclor 1248 | 80 U | 37 J | 42 U | 89 U | R | 29 J | 85 U | 91 U | 54 U |
| Aroclor 1254 | 80 U | 3.3 U | 42 U | 89 U | R | 3.2 U | 85 U | 91 U | 54 U |
| Aroclor 1260 | 80 U | 95 | 42 U | 89 U | R | 74 | 85 U | 91 U | 54 U |
| beta-BHC | 4.1 U | 1.6 U | 1.5 J | 4.6 U | 3.9 J | 1.6 U | 5.4 | 6.6 | 4.1 |
| delta-BHC | 4.2 | 1.6 U | 4.5 J | 4.6 U | 1.8 J | 24 J | 0.33 J | 8.8 | 1.2 J |
| Dieldrin | 3.9 J | 4.1 J | 0.59 J | 1.8 J | 5.7 J | 3.2 U | 7 J | 2 J | 0.94 J |
| Endosulfan I | 4.1 U | 1.6 U | 2.2 U | 4.6 U | R | 1.6 U | 4.4 U | 4.7 U | 2.8 U |
| Endosulfan II | 5.2 J | 3.3 U | 5.4 J | 8.9 U | 3.8 J | 3.2 U | 2.2 J | 1.3 J | 2.2 J |
| Endosulfan sulfate | 8 UJ | 3.3 U | 4.2 UJ | 3.9 J | 2.1 J | 3.2 U | 8.5 UJ | 9.1 UJ | 5.4 UJ |
| Endrin | 8 U | 8.6 J | 3.7 J | 8.9 U | R | 17 J | 8.5 U | 0.6 J | 5.4 U |
| Endrin aldehyde | 5.8 J | 27 J | 0.98 J | 8.9 U | R | 3.2 U | 1.9 J | 0.94 J | 2.4 J |
| Endrin ketone | 2.3 J | 3.3 U | 4.2 U | 8.9 U | R | 3.2 U | 8.5 U | 9.1 U | 2.7 J |
| gamma-BHC (Lindane) | 1.4 J | 1.6 U | 2.2 U | 4.6 UJ | R | 1.6 U | 1.4 J | 4.7 U | 2.8 U |
| gamma-Chlordane | 21 | 41 | 21 J | 53 J | 36 J | 38 J | 26 | 14 | 9.6 |
| Heptachlor | 0.18 J | 1.6 U | 0.82 J | 4.6 UJ | 0.29 J | 1.6 U | 1.6 J | 0.77 J | 2.8 UJ |
| Heptachlor Epoxide | 3.3 J | 1.6 U | 2.4 J | 4.6 U | 3.7 J | 1.6 U | 1.9 J | 1.6 J | 0.45 J |
| Methoxychlor | 6.3 J | 16 U | 22 U | 46 UJ | R | 16 U | 8.8 J | 47 U | 28 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-02-FW | SD-07-02-ME | SD-07-03-FW | SD-07-04-FW | SD-07-05-FW | SD-07-05-ME | SD-07-06-FW | SD-07-07-FW | SD-07-08-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5670 | 13200 | 5610 J | 10700 | 9880 J | 14700 | 11100 J | 5510 J | 10700 J |
| Antimony | 2.1 J | 2.6 J | 0.72 | 1.2 J | 2.3 | 2.8 J | 2.6 | 1.9 | 1.9 |
| Arsenic | 34.6 | 111 | 10.3 J | 75.5 | 61.5 J | 98.3 | 84.1 J | 27.1 J | 30 J |
| Barium | 42.9 | 110 | 21.8 | 87.3 | 73.4 | 118 | 83.1 | 32.4 | 48.5 |
| Beryllium | 0.32 U | 0.95 | 0.23 | 0.68999 | 0.56 | 1 | 0.66 | 0.3 U | 0.38 |
| Cadmium | 1.8 | 6.3 | 0.46 U | 5 | 5.7 U | 5.8 | 6.1 U | 2 UJ | 2.2 U |
| Calcium | 1910 | 5310 | 2370 | 4260 | 3950 | 6630 | 4420 | 2650 | 2650 |
| Chromium | 116 | 291 | 31.9 J | 207 J | 164 J | 277 | 209 J | 79.5 J | 174 J |
| Cobalt | 6.7 | 19.2 | 6.1 | 16.4 | 13.4 | 21.5 | 15.6 | 8 | 13.8 |
| Copper | 115 | 306 | 23.4 J | 209 | 162 J | 304 | 204 J | 69.7 J | 104 J |
| Cyanide | 1.3 U | NA | 0.72 U | 1.2 U | 1.8 | NA | 1.4 | 1.1 U | 0.54 U |
| Iron | 11500 | 33800 | 9490 J | 22300 | 20900 J | 35400 | 26800 J | 11800 J | 19500 J |
| Lead | 257 | 382 | 41.2 | 480 | 271 | 406 | 329 | 116 | 167 |
| Magnesium | 1790 | 4180 | 2550 J | 3690 | 3480 J | 5330 | 3730 J | 2500 J | 5860 J |
| Manganese | 192 | 517 | 134 J | 595 J | 397 J | 495 | 516 J | 148 J | 201 J |
| Mercury | 2.2 J | 2.3 | 0.11 UJ | 0.93999 J | 0.91 J | 2 | 0.36 J | 0.61 J | 0.99 J |
| Nickel | 12.2 | 35.2 | 8.2 | 28.3 | 22.2 | 37.5 | 26.9 | 13.8 | 24.4 |
| Potassium | 610 UJ | 1310 | 574 J | 1100 | 1210 J | 1620 | 1180 J | 862 J | 1900 J |
| Selenium | 2 UJ | 2.2 J | 0.49 U | 1.9 | 1.6 U | 2.2 J | 3.2 U | 1.9 UJ | 0.7 UJ |
| Silver | 0.67 U | 0.86 J | 0.24 U | 1.1 | 0.79 U | 0.91 J | 0.77 U | 0.59 U | 0.34 U |
| Sodium | 115 U | 416 U | 52.2 UJ | 342 | 257 U | 519 U | 342 U | 193 U | 185 U |
| Thallium | 1.6 U | 0.81 U | 0.98 | 1.5 | 2.8 | 0.44 U | 3.5 | 1.6 | 2.1 |
| Vanadium | 23.2 | 56.7 | 19.5 | 44.8 | 39.1 | 62.6 | 46.2 | 21.4 | 37.8 |
| Zinc | 558 | 1500 | 106 J | 1200 | 1070 J | 1450 | 1310 J | 455 J | 506 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | 14.231 J | NA | NA | NA | 7.49 J | NA | NA | NA |
| Cadmium | 6 J | 5.6 U | 0.42 UJ | 5.1 | 8 J | 5.6 | 5 | 1.8 U | 1.6 U |
| Copper | 212 | 12.065 | 18 | 175 J | 262 | 3.175 U | 173 | 44.9 | 78.7 |
| Lead | 652 | 302.512 | 56.6 | 433 J | 496 | 292.152 | 375 | 153 | 174 |
| Mercury | 0.01 U | R | 0.003 U | 0.01 U | 0.01 U | R | 0.01 U | 0.01 U | 0.004 U |
| Nickel | 38.7 J | 27.5843 J | 2.9 U | 82.9 U | 89.2 J | 17.607 J | 50.6 J | 68.1 J | 12.7 J |
| SEM/AVS Ratio | 0.56 | 0.84 | 0.18 | 0.27 | 0.083 | 0.38 | 4.0 | 0.11 | 0.19 |
| Sulfide | 1630.68 J | 654.84 | 391.62 J | 2840.85 | 13482 J | 1592.16 | 208.65 J | 3020.61 J | 1653.15 J |
| Zinc | 1400 | 995.09 J | 111 | 1220 J | 1740 | 1126.89 J | 1330 | 520 | 482 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 93000 | 194000 J | 13800 | 83600 | 88700 | 210000 J | 70100 | 52700 | 25500 |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-09-FW | SD-07-10-FW | SD-07-10-ME | SD-08-01-FW | SD-08-02-FW | SD-08-03-FW | SD-09-01-FW | SD-09-02-FW | SD-09-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 28 U | 26 U | 101 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| 1,1,2-Trichloro-1,2,2-trifluoro | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 28 U | 26 U | 101 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| 1,2-Dichloroethene(total) | 28 U | 26 U | NA | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| 2-Butanone | 28 U | 26 U | NA | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Acetone | 87 UJ | 68 UJ | NA | 24 UJ | 19 UJ | 12 UJ | 17 UJ | 16 UJ | 12 UJ |
| Benzene | 28 U | 26 U | 13 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Carbon Disulfide | 28 U | 26 U | NA | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| cis-1,2-Dichloroethene | NA | NA | 24 J | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 28 U | 26 U | 13 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 52 U | 53 U | 101 UJ | 39 U | 29 U | 22 U | 23 U | 24 U | 15 U |
| Naphthalene | NA | NA | 101 UJ | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | 28 U | 26 U | 101 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Toluene | 28 U | 26 U | NA | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| trans-1,2-Dichloroethene | NA | NA | 101 UJ | NA | NA | NA | NA | NA | NA |
| Trichloroethene | 28 U | 26 U | 35 J | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Vinyl Chloride | 28 U | 26 U | 101 UJ | 13 U | 15 U | 12 U | 16 U | 16 U | 12 U |
| Xylene, m/p- | NA | NA | 34 UJ | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 2700 U | 130 J | 59 J | 420 U | 490 U | 400 U | 520 U | 520 U | 410 U |
| Acenaphthene | 390 J | 130 J | 230 J | 420 U | 490 U | 400 U | 520 U | 520 U | 410 U |
| Acenaphthylene | 2700 U | 480 J | 140 | 81 J | 120 J | 400 U | 520 U | 520 U | 410 U |
| Anthracene | 1100 J | 370 J | 890 | 56 J | 120 J | 120 J | 520 U | 520 U | 410 U |
| Benzo(a)anthracene | 6700 | 2900 | 9600 | 290 J | 680 | 480 | 120 J | 520 U | 130 J |
| Benzo(a)pyrene | 5600 | 2700 | 10000 | 450 | 940 | 490 | 68 J | 520 U | 100 J |
| Benzo(b)fluoranthene | 11000 | 5200 | 16000 J | 950 | 1900 | 1000 | 220 J | 520 U | 200 J |
| Benzo(g,h,i)perylene | 1900 J | 910 | 5300 | 280 J | 700 | 260 J | 520 U | 520 U | 44 J |
| Benzo(k)fluoranthene | 12000 | 5800 | 2300 J | 960 | 2000 | 1100 | 200 J | 520 U | 150 J |
| bis(2-Ethylhexyl)phthalate | 7800 | 2100 | NA | 84 J | 150 J | 260 J | 95 J | 520 U | 64 J |
| Butylbenzylphthalate | 430 J | 870 U | NA | 420 UJ | 490 UJ | 400 UJ | 520 U | 520 U | 410 U |
| Carbazole | 680 J | 270 J | NA | 420 U | 110 J | 63 J | 520 U | 520 U | 410 U |
| Chrysene | 8700 | 3900 | 10000 | 450 | 1000 | 580 | 120 J | 520 U | 120 J |
| Dibenz(a,h)anthracene | 440 J | 180 J | 2000 | 60 J | 160 J | 60 J | 520 U | 520 U | 410 U |
| Dibenzofuran | 2700 U | 96 J | NA | 420 U | 56 J | 400 U | 520 U | 520 U | 410 U |
| Diethylphthalate | 2700 U | 870 U | NA | 420 U | 490 U | 400 U | 520 U | 520 U | 410 U |
| Di-n-octylphthalate | 2700 U | 870 U | NA | 420 U | 490 U | 400 U | 520 U | 520 U | 410 U |
| Fluoranthene | 15000 | 5600 | 23000 | 520 | 1400 | 770 | 250 J | 42 J | 210 J |
| Fluorene | 600 J | 280 J | 550 | 50 J | 100 J | 68 J | 520 U | 520 U | 45 J |
| Indeno(1,2,3-cd)pyrene | 1900 J | 710 J | 6900 | 280 J | 680 | 240 J | 520 U | 520 U | 62 J |
| Naphthalene | 2700 U | 130 J | 72 J | 54 J | 200 J | 41 J | 520 U | 520 U | 410 U |
| N-nitrosodiphenylamine | 2700 U | 870 U | NA | 58 J | 490 U | 400 U | 520 U | 520 U | 410 U |
| Phenanthrene | 6200 | 2400 | 12000 | 280 J | 610 | 540 | 120 J | 520 U | 140 J |
| Pyrene | 11000 | 5100 | 15000 | 640 J | 2000 | 810 J | 230 J | 52 J | 210 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 33 | 76 | 36 | 9.8 | 6.7 | 3.3 J | 19 | 28 | 17 |
| 4,4'-DDE | 31 | 69 | 33 | 3.5 J | 4.1 J | 4.2 J | 14 | 27 | 9.8 |
| 4,4'-DDT | 45 | 47 | 14 J | 3 J | 0.87 J | R | 3.7 J | 6.4 | 2.5 J |
| Aldrin | 5.7 | 4.5 U | 1.6 U | 2.1 U | 2.5 U | R | 0.26 J | 2 J | 0.25 J |
| alpha-BHC | 1.3 J | 4.5 U | 1.6 U | 2.1 U | 0.26 J | R | 2.7 U | 0.11 J | 2.1 U |
| alpha-Chlordane | 29 | 14 | 80 | 2.1 U | 2.5 U | 1.5 J | 0.84 J | 2.7 U | 0.39 J |
| Aroclor 1248 | 92 U | 87 U | 67 J | 41 U | 49 U | R | 52 U | 52 U | 41 U |
| Aroclor 1254 | 92 U | 87 U | 3.2 U | 41 U | 49 U | R | 52 U | 52 U | 41 U |
| Aroclor 1260 | 92 U | 87 U | 50 | 41 U | 49 U | R | 52 U | 52 U | 41 U |
| beta-BHC | 5.6 | 2.5 J | 1.6 U | 2.1 U | 2.5 U | R | 0.29 J | 2.7 U | 0.1 J |
| delta-BHC | 4.7 U | 4.5 U | 1.6 U | 2.1 U | 2.5 U | 0.32 J | 2.7 U | 2.7 U | 2.1 U |
| Dieldrin | 2.5 J | 8.7 U | 3.2 U | 4.1 U | 0.19 J | R | 4.3 J | 7 | 2.6 J |
| Endosulfan I | 4.7 U | 4.5 U | 1.6 U | 2.1 U | 2.5 U | R | 2.7 U | 0.11 J | 2.1 U |
| Endosulfan II | 8.4 J | 8.7 UJ | 3.2 U | 0.29 J | 1.1 J | R | 5.2 U | 5.2 U | 4.1 U |
| Endosulfan sulfate | 9.2 UJ | 8.7 UJ | 3.2 U | 4.1 UJ | 4.9 UJ | R | 5.2 U | 5.2 U | 4.1 U |
| Endrin | 1.6 J | 4.2 J | 16 J | 4.1 U | 2.3 J | R | 0.22 J | 5.2 U | 0.21 J |
| Endrin aldehyde | 4.9 J | 8.7 UJ | 3.2 U | 4.1 UJ | 0.47 J | R | 5.2 U | 0.9 J | 4.1 U |
| Endrin ketone | 1.8 J | 8.7 U | 3.2 U | 4.1 U | 2.9 J | R | 5.2 U | 5.2 U | 4.1 U |
| gamma-BHC (Lindane) | 4.7 U | 4.5 U | 1.6 U | 2.1 U | 2.5 U | R | 2.7 U | 2.7 U | 2.1 U |
| gamma-Chlordane | 20 | 8.8 | 45 J | 0.25 J | 0.7 J | 1.4 J | 0.84 J | 0.3 J | 0.23 J |
| Heptachlor | 4.7 UJ | 0.26 J | 1.6 U | 2.1 UJ | 0.13 J | R | 0.31 J | 0.067 J | 2.1 UJ |
| Heptachlor Epoxide | 2.4 J | 1 J | 1.6 U | 0.63 J | 1.1 J | 0.45 J | 2.7 U | 2.7 U | 2.1 U |
| Methoxychlor | 47 U | 12 J | 16 U | 21 U | 25 U | R | 27 U | 27 U | 21 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-07-09-FW | SD-07-10-FW | SD-07-10-ME | SD-08-01-FW | SD-08-02-FW | SD-08-03-FW | SD-09-01-FW | SD-09-02-FW | SD-09-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 4890 J | 22600 J | 12500 | 4590 J | 5950 J | 5830 J | 4020 J | 3840 J | 5470 J |
| Antimony | 1.4 | 3.1 | 2.4 J | 0.75 | 1.6 | 0.74 | 1 | 0.99 | 0.93999 |
| Arsenic | 32.7 J | 129 J | 87.4 | 10.8 J | 28.9 J | 16.5 J | 36.6 J | 48.5 J | 22.2 J |
| Barium | 36.9 | 107 | 89.8 | 15.7 | 21.2 | 19.8 | 15.2 | 25.5 | 19.5 |
| Beryllium | 0.29 U | 1.3 | 0.86 | 0.19 U | 0.32 | 0.25 | 0.22 | 0.26 U | 0.24 |
| Cadmium | 2.5 U | 10.3 | 4.5 | 0.6 U | 1.8 U | 1.3 U | 1.5 U | 0.81 U | 0.76 UJ |
| Calcium | 2220 | 6080 | 5840 | 1630 | 2330 | 1910 | 1420 | 2590 | 1430 |
| Chromium | 91.5 J | 442 J | 238 | 17.8 J | 119 J | 26.4 J | 91.8 J | 27.7 J | 43.9 J |
| Cobalt | 7.9 | 32.6 | 18.2 | 5.2 | 10.6 | 6.1 | 5.2 | 6 | 6.6 |
| Copper | 84.9 J | 380 J | 261 | 28.3 J | 133 J | 59.7 J | 102 J | 21 J | 46.1 J |
| Cyanide | 1.2 U | 1.4 U | NA | 0.6 U | 0.61 U | 0.61 U | 0.55 U | 0.78 U | 0.59 U |
| Iron | 11000 J | 27700 J | 29100 | 7110 J | 23200 J | 9400 J | 6360 J | 8730 J | 10200 J |
| Lead | 144 | 474 | 326 | 20 | 70.7 | 38.8 | 86.8 | 14.1 | 24 |
| Magnesium | 1620 J | 4770 J | 4420 | 1730 J | 2110 J | 2180 J | 1310 J | 1450 J | 2400 J |
| Manganese | 207 J | 468 J | 397 | 99.5 J | 228 J | 155 J | 141 J | 66.6 J | 153 J |
| Mercury | 0.77 J | 5.7 J | 1.6 | 0.11 J | 1 J | 0.26 J | 0.19 J | 0.21 J | 0.37 J |
| Nickel | 11.8 | 27.1 | 31.5 | 7 | 20.2 | 9.4 | 5.7 | 6.2 | 8.1 |
| Potassium | 609 J | 1240 J | 1320 | 469 J | 464 J | 476 J | 506 J | 509 J | 814 J |
| Selenium | 0.99 U | 2.1 U | 2.4 J | 0.77 UJ | 0.67 UJ | 0.9 UJ | 0.6 U | 2.6 U | 0.68 UJ |
| Silver | 0.49 U | 0.52 U | 0.78 J | 0.32 U | 0.27 U | 0.32 U | 0.3 U | 0.43 U | 0.32 U |
| Sodium | 215 U | 404 U | 483 U | 80.2 U | 116 U | 157 U | 119 U | 172 U | 137 U |
| Thallium | 1.5 | 3.8 | 0.76 U | 1.5 | 1.7 | 1.1 | 1.1 | 1 U | 1.2 |
| Vanadium | 22.1 | 79.2 | 54.6 | 11.6 | 17.5 | 15.6 | 9.3 | 11.3 | 16.3 |
| Zinc | 535 J | 2490 J | 1190 | 171 J | 539 J | 340 J | 236 J | 62.4 J | 103 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | 12.733 J | NA | NA | NA | NA | NA | NA |
| Cadmium | 3.9 U | 0.37 UJ | 7.84 | 3.8 | 0.79 U | 1.6 U | 0.9 U | 0.13 UJ | 0.23 UJ |
| Copper | 84.9 | 74.6 | 3.175 U | 128 | 62.9 | 117 | 49.2 | 19.2 | 39.1 |
| Lead | 280 | 35.5 | 346.024 | 294 | 48.2 | 65.9 | 36.8 | 17.8 | 21.8 |
| Mercury | 0.01 U | 0.01 U | R | 0.004 U | 0.01 | 0.02 | 0.01 | 0.004 U | 0.003 U |
| Nickel | 16.8 J | 156 J | 14.6725 J | 14 J | 6.2 J | 36.9 J | 45.8 J | 6.4 J | 26.3 J |
| SEM/AVS Ratio | 0.6 | 0.079 | 2.53 | 3.5 | 3.1 | 2.4 | 1.9 | 2.0 | 0.13 |
| Sulfide | 930.9 J | 2686.77 J | 167.562 | 158.574 J | 92.769 J | 145.734 J | 82.818 J | 20.223 J | 561.75 J |
| Zinc | 944 | 171 | 738.08 J | 899 | 508 | 539 | 212 | 49.9 | 71.1 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 82700 | 99000 | 218000 J | 117 U | 17900 | 7560 | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | 4230 | 46200 | 7320 |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-09-04-FW | SD-09-05-FW | SD-09-06-FW | SD-09-07-FW | SD-09-08-FW | SD-09-09-FW | SD-09-10-FW | SD-10-01-FW | SD-10-01-ME |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 312 U |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 312 U |
| 1,2-Dichloroethene(total) | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | NA |
| 2-Butanone | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 UJ | R | NA |
| Acetone | 21 UJ | 16 UJ | 14 UJ | 14 UJ | 12 UJ | 12 UJ | 19 UJ | R | NA |
| Benzene | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 42 UJ |
| Carbon Disulfide | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | 64 J |
| Ethylbenzene | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 42 UJ |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 12 U | 17 U | 15 U | 15 U | 14 U | 20 U | 14 UJ | R | 312 U |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | 312 U |
| Tetrachloroethene | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 312 U |
| Toluene | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | 312 U |
| Trichloroethene | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 104 UJ |
| Vinyl Chloride | 12 U | 12 U | 12 U | 14 U | 12 U | 12 U | 13 U | R | 312 U |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | 104 UJ |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 410 U | 390 UJ | 220 J | 470 U | 390 U | 390 U | 440 U | R | 33 J |
| Acenaphthene | 410 U | 390 UJ | 520 | 470 U | 390 U | 390 U | 440 U | R | 29 J |
| Acenaphthylene | 410 U | 390 UJ | 82 J | 470 U | 390 U | 390 U | 440 U | R | 20 J |
| Anthracene | 410 U | 390 UJ | 930 | 470 U | 390 U | 390 U | 440 U | R | 96.5 J |
| Benzo(a)anthracene | 410 U | 80 J | 1000 | 130 J | 40 J | 100 J | 57 J | R | 580 |
| Benzo(a)pyrene | 410 U | 70 J | 1100 | 110 J | 45 J | 85 J | 47 J | R | 620 |
| Benzo(b)fluoranthene | 410 U | 170 J | 2300 | 270 J | 76 J | 160 J | 100 J | 350 J | 965 J |
| Benzo(g,h,i)perylene | 410 U | 390 UJ | 290 J | 470 U | 390 U | 390 U | 440 U | R | 365 |
| Benzo(k)fluoranthene | 410 U | 130 J | 2100 | 260 J | 69 J | 140 J | 100 J | 350 J | 450 J |
| bis(2-Ethylhexyl)phthalate | 410 U | 93 J | 110 J | 390 J | 70 J | 390 U | 66 J | 610 J | NA |
| Butylbenzylphthalate | 410 U | 390 UJ | 400 U | 470 UJ | 390 U | 390 U | 440 U | R | NA |
| Carbazole | 410 U | 390 UJ | 480 | 470 U | 390 U | 390 U | 440 U | R | NA |
| Chrysene | 410 U | 94 J | 1400 | 120 J | 48 J | 100 J | 52 J | R | 650 |
| Dibenz(a,h)anthracene | 410 U | 390 UJ | 80 J | 470 U | 390 U | 390 U | 440 U | R | 125 |
| Dibenzofuran | 410 U | 390 UJ | 500 | 470 U | 390 U | 390 U | 440 U | R | NA |
| Diethylphthalate | 410 U | 390 UJ | 400 U | 470 U | 390 U | 390 U | 440 U | R | NA |
| Di-n-octylphthalate | 410 U | 390 UJ | 400 U | 470 U | 390 U | 390 U | 440 U | R | NA |
| Fluoranthene | 410 U | 220 J | 1800 | 260 J | 87 J | 210 J | 100 J | 230 J | 1950 J |
| Fluorene | 410 U | 390 UJ | 810 | 470 U | 390 U | 390 U | 440 U | R | 115 J |
| Indeno(1,2,3-cd)pyrene | 410 U | 390 UJ | 370 J | 470 U | 21 J | 47 J | 440 U | R | 405 |
| Naphthalene | 410 U | 390 UJ | 250 J | 470 U | 390 U | 390 U | 440 U | NA | 71 J |
| N-nitrosodiphenylamine | 410 U | 390 UJ | 400 U | 470 U | 390 U | 390 U | 440 U | 560 J | NA |
| Phenanthrene | 410 U | 100 J | 1900 | 140 J | 64 J | 69 J | 62 J | R | 690 J |
| Pyrene | 410 U | 160 J | 2200 | 230 J | 83 J | 220 J | 120 J | 355 J | 1650 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 0.46 J | 5.4 | 2.3 J | 83 | 1.8 J | 0.93 J | 4.4 U | 140 J | 179 J |
| 4,4'-DDE | 0.089 J | 1.6 J | 1.1 J | 19 | 3.9 U | 0.3 J | 1 J | 125 J | 160 J |
| 4,4'-DDT | 0.29 J | 1.6 J | 1.4 J | 19 | 1.1 J | 0.69 J | 3.1 J | 2.6 J | 3.5 J |
| Aldrin | 2.1 U | 0.49 J | 0.28 J | 0.39 J | 0.19 J | 0.12 J | 2.3 U | R | 18 J |
| alpha-BHC | 2.1 U | 2 U | 2.1 U | 0.46 J | 2 U | 2 U | 2.3 U | R | 1.7 U |
| alpha-Chlordane | 2.1 U | 0.46 J | 0.28 J | 1.9 J | 0.48 J | 2 U | 0.55 J | 13.5 J | 29.5 J |
| Aroclor 1248 | 41 U | 39 U | 40 U | 47 U | 39 U | 39 U | 44 U | R | 560 J |
| Aroclor 1254 | 41 U | 39 U | 40 U | 47 U | 39 U | 39 U | 44 U | R | 3.3 U |
| Aroclor 1260 | 41 U | 39 U | 40 U | 47 U | 39 U | 39 U | 44 U | R | 320 J |
| beta-BHC | 2.1 U | 2 U | 0.23 J | 0.92 J | 0.17 J | 2 U | 2.3 U | R | 1.7 U |
| delta-BHC | 2.1 U | 2 U | 2.1 U | 0.08 J | 2 U | 2 U | 0.85 J | R | 1.7 U |
| Dieldrin | 0.41 J | 0.4 J | 1.8 J | 6.2 | 1.1 J | 0.59 J | 0.83 J | 5.1 J | 14 J |
| Endosulfan I | 2.1 U | 2 U | 2.1 U | 0.51 J | 2 U | 2 U | 2.3 U | R | 1.7 U |
| Endosulfan II | 4.1 U | 0.34 J | 0.24 J | 4.7 U | 3.9 U | 3.9 U | 4.4 U | R | 3.3 U |
| Endosulfan sulfate | 4.1 U | 3.9 U | 4 U | 4.7 U | 3.9 U | 3.9 U | 4.4 U | R | 3.3 U |
| Endrin | 4.1 U | 3.9 U | 0.11 J | 1.4 J | 0.11 J | 0.1 J | 4.4 U | R | 5.8 J |
| Endrin aldehyde | 4.1 U | 3.9 U | 4 U | 4.7 U | 3.9 U | 3.9 U | 4.4 U | R | 11.7 J |
| Endrin ketone | 4.1 U | 3.9 U | 4 U | 4.7 U | 3.9 U | 3.9 U | 4.4 U | R | 3.3 U |
| gamma-BHC (Lindane) | 2.1 U | 2 U | 2.1 U | 2.4 U | 2 U | 2 U | 2.3 U | R | 1.7 U |
| gamma-Chlordane | 2.1 U | 0.28 J | 0.15 J | 2.4 | 2 U | 2 U | 0.36 J | 18.5 J | 20.5 J |
| Heptachlor | 2.1 UJ | 0.34 J | 0.27 J | 0.25 J | 2 UJ | 2 UJ | 2.3 U | R | 1.7 U |
| Heptachlor Epoxide | 2.1 U | 2 U | 2.1 U | 2.4 U | 2 U | 2 U | 2.3 U | R | 1.575 J |
| Methoxychlor | 21 U | 20 U | 21 U | 24 U | 20 U | 2 U | 23 U | R | 17 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-09-04-FW | SD-09-05-FW | SD-09-06-FW | SD-09-07-FW | SD-09-08-FW | SD-09-09-FW | SD-09-10-FW | SD-10-01-FW | SD-10-01-ME |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 2330 J | 3670 J | 4790 J | 2760 J | 7270 J | 4870 | 3450 | 24700 J | 29250 |
| Antimony | 0.57 U | 0.64 | 0.74 | 0.9 | 1.3 | 0.51 U | 1.1 | 4.65 J | 13.95 J |
| Arsenic | 18.1 J | 19.7 J | 27.7 J | 26.4 J | 26.3 J | 26.8 J | 40.4 J | 410 J | 692.5 |
| Barium | 6 | 13.7 | 15.1 | 8.8 | 14 | 18.3 | 73.9 | 71.55 J | 112.6 |
| Beryllium | 0.081 U | 0.14 U | 0.2 | 0.23 | 0.22 | 0.14 | 0.14 | 1.6 J | 2.05 |
| Cadmium | 0.67 U | 0.5 UJ | 0.78 UJ | 0.9 U | 1 UJ | 0.19 | 1.2 J | 21.15 J | 18.7 |
| Calcium | 569 | 848 | 1440 | 1110 | 1880 | 1610 J | 1280 J | 11250 J | 9770 |
| Chromium | 9.3 J | 44.3 J | 47 J | 75.4 J | 52.8 J | 22.1 J | 32.1 J | 1530 J | 3435 |
| Cobalt | 4.4 | 4.3 | 6.2 | 2.7 | 6 | 4.7 | 13.3 | 21.35 J | 40.3 |
| Copper | 4.2 J | 50.5 J | 45.4 J | 73.5 J | 64.1 J | 23.5 | 36.8 | 1650 J | 2315 |
| Cyanide | 0.53 U | 0.55 U | 0.49 U | 0.52 U | 0.56 U | R | R | R | NA |
| Iron | 4910 J | 6950 J | 11700 J | 6030 J | 13900 J | 9810 | 30600 | 31300 J | 51650 |
| Lead | 2.4 | 16.7 | 23 | 37.2 | 32.4 | 21.9 J | 43.6 J | 484 J | 881 |
| Magnesium | 1080 J | 1690 J | 2170 J | 922 J | 4560 J | 2420 | 1700 | 1745 J | 2270 |
| Manganese | 64.8 J | 75.6 J | 88 J | 43.2 J | 138 J | 238 J | 2640 J | 611 J | 665 |
| Mercury | 0.06 UJ | 0.53 J | 0.28 J | 0.68 J | 0.24 J | 0.049 U | 0.054 U | 6.75 J | 19.9 |
| Nickel | 5.9 | 5.9 | 10.5 | 6.3 | 11.3 | 12.5 | 7.7 | 38.7 J | 45.75 |
| Potassium | 300 J | 507 J | 672 J | 236 J | 553 J | 532 | 428 | 546 J | 737 |
| Selenium | 0.72 U | 0.45 U | 0.45 U | 0.61 UJ | 0.64 U | 0.63 U | 0.62 | 6.65 J | 9.3 J |
| Silver | 0.36 U | 0.22 U | 0.22 U | 0.22 U | 0.32 U | 0.32 U | 0.3 U | R | 0.395 J |
| Sodium | 73.1 UJ | 81 U | 105 U | 105 U | 131 U | 54.9 U | 74 UJ | 889 J | 589 J |
| Thallium | 0.84 U | 0.68 | 0.83 | 0.52 U | 1.4 | 0.74 U | 2.4 | R | 1.7 U |
| Vanadium | 6.5 | 9 | 11.9 | 7 | 19.3 | 10.1 | 12.7 | 56.55 J | 76.95 |
| Zinc | 57.1 J | 126 J | 115 J | 141 J | 142 J | 103 J | 479 J | 2295 J | 4020 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | 88.382 J |
| Cadmium | 0.34 UJ | 0.28 UJ | 0.17 UJ | 1.3 U | 0.21 UJ | 0.23 UJ | 0.36 J | 26.85 J | 12.88 |
| Copper | 47.5 | 25.6 | 40.7 | 117 | 48.5 | 29.3 | 53.4 | 573 | 3.96875 J |
| Lead | 27.1 | 13.4 | 23.5 | 59.8 | 26.6 | 11.4 | 55.7 | 694 | 363.636 J |
| Mercury | 0.003 U | 0.01 | 0.01 | 0.02 | 0.003 U | 0.03 | 0.003 U | 0.02 U | R |
| Nickel | 6 J | 3.3 U | 2.7 J | 30.9 J | 84.9 J | 2.8 U | 120 | 113 U | 34.33365 J |
| SEM/AVS Ratio | 0.80 | 0.11 | 0.23 | 4.3 | 4.4 | 0 | 91 | 0.345 | 0.415 |
| Sulfide | 95.337 J | 516.81 J | 293.394 J | 43.656 J | 24.717 J | 1.605 U | 2.568 | 6853.35 | 2072.055 |
| Zinc | 90.7 | 82 | 84.8 | 205 | 69 | 72.4 | 269 | 3645 | 1617.845 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | 117 U | 3860 | 229500 | 465000 J |
| Total Organic Carbon | 121 U | 114 U | 1050 | 10900 | 117 U | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-10-02-FW | SD-10-02-ME | SD-10-02-TR | SD-10-03-FW | SD-11-01-FW | SD-11-01-ME | SD-11-02-FW | SD-11-03-FW | SD-12-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | R | 278 U | 35 U | 20 U | 27 U | 171 U | R | 28 U | R |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | 35 U | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | R | 278 U | 35 U | 20 U | 27 U | 171 U | R | 28 U | R |
| 1,2-Dichloroethene(total) | R | NA | NA | 20 U | 27 U | NA | R | 28 U | R |
| 2-Butanone | R | NA | 35 U | 20 UJ | 120 J | NA | 200 J | 28 UJ | R |
| Acetone | R | NA | 250 U | 98 UJ | 430 UJ | NA | R | 260 UJ | R |
| Benzene | R | 21 J | 35 U | 20 U | 27 U | 23 UJ | R | 28 U | R |
| Carbon Disulfide | R | NA | 29 J | 20 U | 27 U | NA | R | 28 U | R |
| cis-1,2-Dichloroethene | NA | 93 UJ | 35 U | NA | NA | 170 J | NA | NA | NA |
| Ethylbenzene | R | 37 UJ | 35 UJ | 20 U | 27 U | 23 UJ | R | 28 U | R |
| Methyl Acetate | NA | NA | 35 U | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | R | 278 U | 35 U | 21 UJ | 27 UJ | 171 U | R | 42 UJ | R |
| Naphthalene | NA | 278 U | NA | NA | NA | 171 U | NA | NA | NA |
| Tetrachloroethene | R | 278 U | 35 UJ | 20 U | 27 U | 171 U | R | 28 U | R |
| Toluene | R | NA | 35 UJ | 20 U | 27 U | NA | R | 28 U | R |
| trans-1,2-Dichloroethene | NA | 278 U | 35 U | NA | NA | 387 | NA | NA | NA |
| Trichloroethene | R | 60 J | 35 U | 20 U | 27 U | 103 UJ | R | 28 U | R |
| Vinyl Chloride | R | 278 U | 35 U | 20 U | 27 U | 255 J | R | 28 U | R |
| Xylene, m/p- | NA | 93 UJ | 35 UJ | NA | NA | 57 UJ | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | R | 10 U | 540 U | 660 U | 890 U | 16 J | R | 910 U | R |
| Acenaphthene | R | R | 540 U | 660 U | 890 U | R | R | 910 U | R |
| Acenaphthylene | R | 13 J | 540 U | 660 U | 890 U | 9 J | R | 910 U | R |
| Anthracene | R | 49 J | 540 U | 660 U | 890 U | 54 J | R | 910 U | R |
| Benzo(a)anthracene | R | 210 | 540 U | 660 U | 890 U | 410 | 310 J | 120 J | 270 J |
| Benzo(a)pyrene | R | 250 | 540 U | 660 U | 890 U | 520 | 220 J | 910 U | 300 J |
| Benzo(b)fluoranthene | 550 J | 290 J | 540 U | 660 U | 120 J | 780 | 870 J | 350 J | 790 J |
| Benzo(g,h,i)perylene | R | 200 | 540 U | 660 U | 890 U | 300 | 260 J | 910 U | R |
| Benzo(k)fluoranthene | 550 J | 220 J | 540 UJ | 660 U | 110 J | 720 | 840 J | 330 J | 800 J |
| bis(2-Ethylhexyl)phthalate | 730 J | NA | 540 U | 120 J | 140 J | NA | 8100 J | 450 J | 660 J |
| Butylbenzylphthalate | R | NA | 540 U | 660 U | 890 UJ | NA | R | 910 UJ | R |
| Carbazole | R | NA | 540 U | 660 U | 890 U | NA | R | 910 U | R |
| Chrysene | R | 380 | 540 U | 660 U | 890 U | 670 | 400 J | 180 J | 450 J |
| Dibenz(a,h)anthracene | R | 69 | 540 U | 660 U | 890 U | 99 | R | 910 U | R |
| Dibenzofuran | R | NA | 540 U | 660 U | 890 U | NA | R | 910 U | R |
| Diethylphthalate | R | NA | 540 U | 660 U | 890 U | NA | R | 910 U | R |
| Di-n-octylphthalate | R | NA | 540 U | 660 U | 890 U | NA | R | 910 U | R |
| Fluoranthene | 410 J | 570 | 540 U | 85 J | 890 U | 1000 | 710 J | 300 J | 800 J |
| Fluorene | R | 72 J | 540 U | 660 U | 890 U | 57 J | R | 910 U | R |
| Indeno(1,2,3-cd)pyrene | R | 190 | 540 U | 660 U | 890 U | 360 | 270 J | 910 U | 160 J |
| Naphthalene | NA | 26 J | 540 U | 660 U | 890 U | 32 J | NA | 910 U | NA |
| N-nitrosodiphenylamine | 450 J | NA | 540 U | 400 J | 410 J | NA | 540 J | 910 U | R |
| Phenanthrene | R | 210 | 540 U | 660 U | 890 U | 260 | 230 J | 120 J | 240 J |
| Pyrene | 570 J | 470 | 540 U | 99 J | 100 J | 950 | 640 J | 230 J | 770 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 100 J | 17 | 4.2 U | 6.6 U | 8.9 U | 45 J | R | 9.2 U | R |
| 4,4'-DDE | 29 J | 5.1 | 4.2 U | 0.85 J | 2.7 J | 15 J | 8.3 J | 0.76 J | 1.7 J |
| 4,4'-DDT | 2.3 J | 0.35 U | 4.2 U | 0.93 J | 0.66 J | 1.9 J | 1.4 J | 0.5 J | 0.53 J |
| Aldrin | R | 0.17 U | 2.1 U | 3.4 U | 4.6 U | 0.16 UJ | R | 0.59 J | R |
| alpha-BHC | R | 0.17 U | 2.1 U | 3.4 U | 4.6 U | 0.16 UJ | R | 4.7 U | R |
| alpha-Chlordane | 7.2 J | 1.5 J | 2.1 U | 0.92 J | 4.6 U | 8.1 J | 2.7 J | 0.62 J | 1.6 J |
| Aroclor 1248 | R | 47 J | 42 U | 66 U | 89 U | 180 J | R | 92 U | R |
| Aroclor 1254 | R | 3.5 U | 42 U | 66 U | 89 U | 3.3 U | R | 92 U | R |
| Aroclor 1260 | R | 44 | 42 U | 66 U | 17 J | 230 | 61 J | 92 U | R |
| beta-BHC | R | 0.17 U | 2.1 U | 3.4 U | 4.6 U | 0.16 UJ | R | 4.7 U | 1.7 J |
| delta-BHC | R | 0.17 U | 2.1 U | 0.14 J | 4.6 U | 0.16 UJ | R | 4.7 U | R |
| Dieldrin | 2.7 J | 0.35 U | 4.2 U | 0.55 J | 8.9 U | 1.4 J | R | 9.2 U | 1.3 J |
| Endosulfan I | R | 0.17 U | 2.1 U | 3.4 U | 4.6 U | 0.44 J | R | 4.7 U | R |
| Endosulfan II | R | 0.35 U | 4.2 U | 6.6 U | 8.9 U | 0.51 J | R | 9.2 U | 0.69 J |
| Endosulfan sulfate | R | 0.35 U | 4.2 U | 6.6 U | 8.9 U | 0.72 J | R | 9.2 U | R |
| Endrin | R | 0.61 J | 4.2 U | 6.6 U | 8.9 U | 0.69 J | R | 9.2 U | 1.8 J |
| Endrin aldehyde | R | 1.7 J | 4.2 U | 6.6 U | 8.9 U | 1.7 J | R | 9.2 U | R |
| Endrin ketone | R | 0.35 U | 4.2 UJ | 6.6 U | 8.9 U | 0.33 UJ | R | 9.2 U | R |
| gamma-BHC (Lindane) | R | 0.17 U | 2.1 U | 3.4 U | 4.6 U | 0.16 UJ | R | 4.7 U | R |
| gamma-Chlordane | 7.4 J | 0.25 J | 2.1 U | 0.43 J | 0.34 J | 5.6 J | 2.7 J | 0.51 J | 1.4 J |
| Heptachlor | R | 0.17 U | 2.1 U | 3.4 U | 4.6 UJ | 0.16 UJ | R | 4.7 UJ | R |
| Heptachlor Epoxide | R | 0.54 J | 2.1 U | 3.4 U | 4.6 U | 0.16 UJ | R | 4.7 U | R |
| Methoxychlor | R | 1.7 U | 21 U | 34 U | 46 U | 1.6 UJ | R | 47 U | R |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-10-02-FW | SD-10-02-ME | SD-10-02-TR | SD-10-03-FW | SD-11-01-FW | SD-11-01-ME | SD-11-02-FW | SD-11-03-FW | SD-12-01-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 29300 J | 24400 | 28600 | 7690 | 14800 | 12600 J | 5090 | 10200 | 10300 J |
| Antimony | 12.3 J | 13.9 J | 39.7 | 3.1 | 8.4 | 1.5 UJ | 1.2 | 2.7 | R |
| Arsenic | 833 J | 875 | 2180 | 187 J | 874 J | 121 | 268 J | 473 J | 101 J |
| Barium | 41.4 J | 53.4 | 102 | 32.4 | 30.5 | 149 | 24.6 | 62.9 | 42 J |
| Beryllium | 1.7 J | 1.7 | 1.7 J | 0.48 | 1.1 | 0.97 J | 0.38 | 0.52 | R |
| Cadmium | 8.6 J | 12.4 | 13.9 | 5.9 | 8.7 | 9.5 | 3.4 | 3.3 | 1.8 J |
| Calcium | 10100 J | 8590 | 10400 | 5800 J | 2680 J | 5800 | 1870 J | 5700 J | 5900 J |
| Chromium | 670 J | 934 | 1570 | 114 J | 791 J | 303 J | 900 J | 317 J | 151 J |
| Cobalt | 14.2 J | 16.5 | 28.6 J | 11.2 | 14.5 | 25.3 J | 8.1 | 19.8 | 26.1 J |
| Copper | 2080 J | 1870 | 2030 | 298 | 619 | 402 | 283 | 172 | 76.6 J |
| Cyanide | R | NA | NA | 0.91 U | 1.1 U | NA | 0.97 U | 2 U | R |
| Iron | 27000 J | 31900 | 46700 | 10800 | 49900 | 31700 J | 23800 | 35800 | 19000 J |
| Lead | 646 J | 559 | 837 | 130 J | 175 J | 606 J | 118 J | 100 J | 44.9 J |
| Magnesium | 1490 J | 1500 | 1880 | 2140 | 844 | 2980 | 561 | 1590 | 1550 J |
| Manganese | 388 J | 409 | 727 | 389 J | 139 J | 728 | 221 J | 1630 J | 385 J |
| Mercury | 11.7 J | 24.2 | 0.19 J | 0.54 | 4.5 | 1.9 | 3.7 | 1.1 | 0.74 J |
| Nickel | 20 J | 18.4 | 26.2 | 13.3 | 11.2 | 32.8 J | 9.3 | 13.9 | 12.6 J |
| Potassium | 361 J | 345 U | 533 J | 256 | 337 | 956 J | 233 | 526 | 344 J |
| Selenium | 8.8 J | 11.5 | 1.9 J | 2.7 | 4.4 | 2.5 J | 3.1 | 2.4 | 3.9 J |
| Silver | R | 0.57 J | 1 U | 0.57 U | 0.63 U | 0.92 J | 0.63 U | 0.85 U | R |
| Sodium | 738 J | 642 U | 1300 | 282 | 430 | 421 | 211 | 486 | 436 J |
| Thallium | R | 1.3 U | 1.1 U | 1.3 U | 1.5 U | 0.44 UJ | 1.5 U | 2 U | R |
| Vanadium | 44.8 J | 47.8 | 68.6 | 21.4 | 29.1 | 58.8 | 16.3 | 23.2 | 24.7 J |
| Zinc | 1410 J | 1570 | 2420 J | 1430 J | 2850 J | 2260 J | 830 J | 1350 J | 2240 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | 339.297 J | NA | NA | NA | 223.202 J | NA | NA | NA |
| Cadmium | 11.4 J | 5.6 U | 10.0688 | 8.3 | 29.6 | 11.2 UJ | 20.9 J | 1.7 | 3.2 |
| Copper | 1150 | 38.735 | 938.1363 | 244 | 324 | 92.075 J | 1270 | 74.8 | 73.5 J |
| Lead | 906 | 387.464 J | 566.25688 | 139 | 150 J | 267.288 J | 660 | 59 J | 53.3 J |
| Mercury | 0.02 U | R | 1.2036 J | 0.01 U | 0.02 UJ | 10.03 U | 0.02 U | 0.01 UJ | 0.01 U |
| Nickel | 193 U | 13.4987 J | 14.156028 | 109 | 26.5 U | 25.8236 J | 68.9 U | 10.8 U | 78.3 U |
| SEM/AVS Ratio | 0.6 | 2.38 | 7.1 | 1.9 | 1.9 | 1.34 | 0.13 | 0.99 | 0.58 |
| Sulfide | 2799.12 | 165.315 | 191.637 J | 763.98 | 3165.06 | 503.97 | 26964 | 468.66 J | 2654.67 |
| Zinc | 1950 | 630.004 J | 1616.3806 J | 2570 | 11800 | 1173.02 J | 5800 | 849 | 3050 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 262000 | 463000 J | NA | 97300 | 36700 | 387000 J | 49900 | 121000 | 173000 |
| Total Organic Carbon | NA | NA | 680000 | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-12-01-ME | SD-12-02-FW | SD-12-03-FW | SD-12-03-ME | SD-12-03-TR | SD-13-01-FW | SD-13-01-ME | SD-13-01-TR | SD-13-02-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 309 U | R | 22 U | 124 U | 89 UJ | R | 104 UJ | 59 J | R |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | R | NA | NA | 22 U | NA |
| 1,1-Dichloroethane | 309 U | R | 22 U | 124 U | R | R | 104 UJ | 22 U | R |
| 1,2-Dichloroethene(total) | NA | R | 22 U | NA | NA | R | NA | NA | R |
| 2-Butanone | NA | 87 J | 22 U | NA | R | 190 J | NA | 22 U | 160 J |
| Acetone | NA | R | 56 UJ | NA | 370 J | R | NA | 4300 J | 630 J |
| Benzene | 41 UJ | R | 22 U | 9 J | R | R | 8 J | 22 U | R |
| Carbon Disulfide | NA | R | 22 U | NA | R | R | NA | 22 U | R |
| cis-1,2-Dichloroethene | 417 J | NA | NA | 25 J | R | NA | 35 UJ | 22 U | NA |
| Ethylbenzene | 41 UJ | R | 22 U | 16 UJ | R | R | 9 J | 22 UJ | R |
| Methyl Acetate | NA | NA | NA | NA | R | NA | NA | 22 U | NA |
| Methylene Chloride | 309 U | R | 22 UJ | 124 U | 89 U | R | 104 UJ | 22 U | R |
| Naphthalene | 309 U | NA | NA | 124 U | NA | NA | 104 UJ | NA | NA |
| Tetrachloroethene | 309 U | R | 22 U | 124 U | R | R | 108 UJ | 22 UJ | R |
| Toluene | NA | R | 22 U | NA | R | R | NA | 22 UJ | R |
| trans-1,2-Dichloroethene | 309 U | NA | NA | 124 U | R | NA | 104 UJ | 22 U | NA |
| Trichloroethene | 53 J | R | 22 U | 41 UJ | R | R | 35 UJ | 22 U | R |
| Vinyl Chloride | 309 U | R | 22 U | 124 U | R | R | 104 UJ | 22 U | R |
| Xylene, m/p- | 103 UJ | NA | NA | 41 UJ | R | NA | 35 UJ | 22 UJ | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 13 J | R | 730 U | 25 J | 390 U | R | 73 | 280 U | R |
| Acenaphthene | R | R | 730 U | R | 390 U | R | 89 J | 280 U | R |
| Acenaphthylene | 19 J | R | 730 U | 23 J | 390 U | R | 31 J | 280 U | R |
| Anthracene | 69 J | R | 730 U | 79 | 390 U | R | 300 | 280 U | R |
| Benzo(a)anthracene | 560 J | 160 J | 140 J | 420 | 290 J | 680 J | 1700 | 110 J | 510 J |
| Benzo(a)pyrene | 1000 J | 160 J | 160 J | 440 | 520 J | 710 J | 1700 | 150 J | 700 J |
| Benzo(b)fluoranthene | 1500 J | 350 J | 410 J | 780 J | 960 | 1700 J | 1900 J | 270 J | 1400 J |
| Benzo(g,h,i)perylene | 640 J | R | 730 U | 290 | 280 J | 370 J | 820 | 280 U | 260 J |
| Benzo(k)fluoranthene | 720 J | 350 J | 390 J | 440 J | 360 J | 1600 J | 850 J | 280 UJ | 1300 J |
| bis(2-Ethylhexyl)phthalate | NA | 350 J | 500 J | NA | 260 J | 1000 J | NA | 140 J | 1100 J |
| Butylbenzylphthalate | NA | R | 730 U | NA | 390 U | R | NA | 280 U | R |
| Carbazole | NA | R | 730 U | NA | 390 U | R | NA | 280 U | R |
| Chrysene | 850 J | 200 J | 180 J | 610 | 510 | 1000 J | 1700 | 150 J | 850 J |
| Dibenz(a,h)anthracene | 320 J | R | 730 U | 150 | 390 U | 330 J | 220 | 280 U | R |
| Dibenzofuran | NA | R | 730 U | NA | 390 U | R | NA | 280 U | R |
| Diethylphthalate | NA | R | 730 U | NA | 390 U | R | NA | 280 U | R |
| Di-n-octylphthalate | NA | R | 730 U | NA | 390 U | R | NA | 280 U | R |
| Fluoranthene | 1200 J | 390 J | 260 J | 750 | 730 | 1800 J | 5200 | 230 J | 1200 J |
| Fluorene | 47 J | R | 730 U | 78 J | 390 U | R | 220 | 280 U | R |
| Indeno(1,2,3-cd)pyrene | 740 J | R | 79 J | 330 | 260 J | 760 J | 1000 | 280 U | 590 J |
| Naphthalene | 26 J | NA | 730 U | 120 J | 390 U | NA | 67 J | 280 U | NA |
| N-nitrosodiphenylamine | NA | R | 100 J | NA | 390 U | R | NA | 280 U | R |
| Phenanthrene | 570 J | R | 730 U | 460 | 230 J | 650 J | 2700 | 280 U | 450 J |
| Pyrene | 1000 J | 420 J | 220 J | 650 | 670 | 1300 J | 4000 | 230 J | 1000 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 17 | R | 2.4 J | 1.9 | 3.1 U | 2.3 J | 18 J | 4.4 | 8 J |
| 4,4'-DDE | 4 | 0.52 J | 4.4 J | 0.9 J | 1.3 J | 2.5 J | 17 J | 2.9 | 1.6 J |
| 4,4'-DDT | 1.3 J | R | 7.3 U | 1.1 J | 3.1 U | 0.45 J | 4 J | 2.2 U | 1.2 J |
| Aldrin | 0.17 U | R | 0.51 J | 0.16 U | 1.6 U | 0.47 J | 0.16 UJ | 1.1 U | 1.4 J |
| alpha-BHC | 0.17 U | R | 3.8 U | 0.16 U | 1.6 U | 0.32 J | 0.16 UJ | 1.1 U | 0.91 J |
| alpha-Chlordane | 2.4 J | R | 1.8 J | 1.1 J | 1.6 U | 3.2 J | 17 J | 1.1 U | 8.8 J |
| Aroclor 1248 | 28 J | R | 73 U | 15 J | 31 U | R | 25 J | 22 U | R |
| Aroclor 1254 | 3.3 U | R | 73 U | 3.2 U | 31 U | R | 3.1 U | 45 | R |
| Aroclor 1260 | 58 | R | 73 U | 18 | 31 U | R | 79 | 22 U | R |
| beta-BHC | 0.17 U | 0.71 J | 3.8 U | 0.16 U | 1.6 U | 1.5 J | 0.16 UJ | 1.1 U | 2.1 J |
| delta-BHC | 0.17 U | R | 3.8 U | 0.16 U | 1.6 U | R | 0.16 UJ | 1.1 U | R |
| Dieldrin | 0.78 J | 0.42 J | 1.5 J | 0.32 U | 3.1 U | 2.2 J | 1.4 J | 2.2 U | 4.3 J |
| Endosulfan I | 0.17 U | R | 0.62 J | 0.16 U | 1.6 U | R | 0.16 UJ | 1.1 U | R |
| Endosulfan II | 0.33 U | R | 7.3 U | 0.32 U | 3.1 U | R | 0.39 J | 2.2 U | 4.7 J |
| Endosulfan sulfate | 0.33 U | R | 7.3 U | 0.32 U | 3.1 U | R | 0.38 J | 2.2 U | R |
| Endrin | 1.4 J | 0.21 J | 2.6 J | 0.77 J | 3.1 U | 0.2 J | 9.6 J | 2.2 U | 0.28 J |
| Endrin aldehyde | 1.8 J | R | 1 J | 0.87 J | 3.1 U | R | 2.2 J | 2.2 U | 2.6 J |
| Endrin ketone | 0.33 U | R | 7.3 U | 0.32 U | 3.1 U | R | 0.31 UJ | 2.2 UJ | R |
| gamma-BHC (Lindane) | 0.23 J | R | 3.8 U | 0.34 J | 1.6 U | R | 0.16 UJ | 1.1 U | R |
| gamma-Chlordane | 1.7 J | 0.34 J | 1.7 J | 0.73 J | 1.6 U | 1 J | 16 J | 1.1 U | 3.3 J |
| Heptachlor | 0.17 U | R | 3.8 U | 0.16 U | 1.6 U | R | 0.16 UJ | 1.1 U | R |
| Heptachlor Epoxide | 0.46 J | R | 3.8 U | 0.27 J | 1.6 U | R | 0.4 J | 1.1 U | R |
| Methoxychlor | 1.7 U | R | 38 U | 1.6 U | 16 U | R | 1.6 UJ | 11 U | R |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-12-01-ME | SD-12-02-FW | SD-12-03-FW | SD-12-03-ME | SD-12-03-TR | SD-13-01-FW | SD-13-01-ME | SD-13-01-TR | SD-13-02-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 26000 | 4560 | 6820 | 27500 | 16500 | 30200 J | 6430 J | 17000 | 34400 J |
| Antimony | 68 J | 0.95 UJ | 22.4 J | 117 J | 19.2 | 61 J | 1.7 J | 6.6 | 43.5 J |
| Arsenic | 3230 | 38.4 | 1540 | 4550 | 958 | 4210 J | 15.9 | 353 | 2480 J |
| Barium | 78.8 | 19.6 | 27.1 | 52.5 | 121 | 78.8 J | 63.8 | 128 | 85.3 J |
| Beryllium | 2 | 0.49 U | 0.55 | 1.7 | 1.3 J | 1.6 J | 0.45 J | 1.2 J | 2 J |
| Cadmium | 11.7 | 1.3 | 4.2 J | 11.4 | 13.5 | 13.8 J | 3.1 | 7.8 | 10.5 J |
| Calcium | 8920 | 3590 | 2230 | 7160 | 5340 | 12700 J | 3020 | 6190 | 17000 J |
| Chromium | 2120 | 42.1 J | 522 J | 726 | 1310 | 525 J | 61.2 J | 494 | 725 J |
| Cobalt | 36.2 | 11 | 15.8 | 38.1 | 37.9 J | 19 J | 7.2 J | 21.6 J | 15.4 J |
| Copper | 2080 | 40.5 | 398 | 1980 | 718 | 2340 J | 113 | 474 | 2030 J |
| Cyanide | NA | 1.2 U | 1.1 U | NA | NA | R | NA | NA | R |
| Iron | 90200 | 7530 | 53900 | 107000 | 94600 | 54700 J | 12800 J | 50900 | 54100 J |
| Lead | 1240 | 16.8 | 192 | 1220 | 459 | 1270 J | 340 J | 756 | 911 J |
| Magnesium | 1860 | 610 | 715 | 1480 | 3070 | 2310 J | 1930 | 4440 | 1970 J |
| Manganese | 776 | 195 J | 249 J | 586 | 1180 | 921 J | 123 | 607 | 1050 J |
| Mercury | 27.5 | 0.15 J | 4.6 J | 44.8 | 0.17 U | 19.5 J | 0.25 J | 0.48 J | 7 J |
| Nickel | 28.3 | 5.4 | 11.7 | 20.5 | 28.1 | 22.8 J | 15.9 J | 27.9 | 19 J |
| Potassium | 795 | 160 | 267 | 450 U | 837 J | 640 J | 715 J | 1370 J | 477 J |
| Selenium | 18.3 | 1.3 | 7.6 | 30.3 | 1 U | 26.3 J | 0.53 J | 1 U | 23 J |
| Silver | 0.54 J | 0.59 U | 0.47 U | 1.2 J | 1.8 | 2 J | 0.21 J | 1 U | 2 UJ |
| Sodium | 708 U | 200 | 141 | 493 U | 793 J | 1080 J | 622 | 570 | 1270 J |
| Thallium | 1.2 U | 1.4 U | 1.4 | 1.5 U | 1.1 UJ | 3.7 J | 0.43 UJ | 1.1 U | R |
| Vanadium | 107 | 10.8 | 30.6 | 127 | 60.6 J | 108 J | 27.4 | 61 | 78.1 J |
| Zinc | 2640 | 1390 | 1370 | 4760 | 2680 J | 2660 J | 445 J | 1420 J | 2250 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | 254.66 J | NA | NA | 223.951 J | NA | NA | 3.745 U | NA | NA |
| Cadmium | 5.6 U | 2.5 | 3.3 | 8.96 | 77.728 | 12.1 J | 5.6 U | 5.0512 | 2 J |
| Copper | 80.645 | 54.7 J | 269 J | 39.37 | 331.2795 | 2270 J | 3.175 UJ | 253.9873 | 567 J |
| Lead | 319.088 | 33.1 J | 185 J | 675.472 | 238.13496 | 1590 J | 242.424 J | 467.46392 | 746 J |
| Mercury | R | 0.01 U | 0.01 U | R | 0.16048 J | 0.01 U | 10.03 U | 0.54162 J | 0.02 U |
| Nickel | 15.2594 J | 162 U | 77.7 U | 16.4332 J | 12.9118 | 221 U | 8.8035 J | 14.208849 | 48.4 U |
| SEM/AVS Ratio | 0.45 | 0.52 | 0.25 | 1.51 | 1.14 | 0.79 | 1.48125 | 27.7 | 0.33 |
| Sulfide | 1149.18 | 2320.83 | 2924.31 | 372.36 | 773.289 | 2821.59 J | 154.08 | 21.828 J | 2821.59 J |
| Zinc | 856.7 J | 2410 J | 1150 J | 876.47 J | 1439.42784 | 1700 J | 381.561 J | 803.75292 J | 1060 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 912000 J | 105000 | 42200 | 431000 J | NA | 234000 | 232000 J | NA | 385000 |
| Total Organic Carbon | NA | NA | NA | NA | 150000 J | NA | NA | 300000 | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-13-03-FW | SD-13-03-ME | SD-14-01-FW | SD-14-02-FW | SD-14-03-FW | SD-15-01-FW | SD-15-01-ME | SD-15-02-FW | SD-15-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | R | 97 UJ | 12 U | 12 U | 14 U | R | 190 UJ | R | R |
| 1,1,2-Trichloro-1,2,2-trifluorc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | R | 97 UJ | 12 U | 12 U | 14 U | R | 190 UJ | R | R |
| 1,2-Dichloroethene(total) | R | NA | 12 U | 12 U | 14 U | 29 J | NA | 24 J | 29 J |
| 2-Butanone | R | NA | 12 U | 12 U | 14 U | R | NA | R | R |
| Acetone | R | NA | 140 J | 12 U | 58 J | 210 J | NA | 290 J | R |
| Benzene | R | 7 J | 12 U | 12 U | 14 U | R | 25 UJ | R | R |
| Carbon Disulfide | R | NA | 12 U | 12 U | 14 U | 18 J | NA | R | R |
| cis-1,2-Dichloroethene | NA | 23 J | NA | NA | NA | NA | 187 J | NA | NA |
| Ethylbenzene | R | 13 UJ | 12 U | 12 U | 14 U | R | 25 UJ | R | R |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | R | 97 UJ | 12 U | 12 U | 14 U | R | 190 UJ | R | R |
| Naphthalene | NA | 97 UJ | NA | NA | NA | NA | 190 UJ | NA | NA |
| Tetrachloroethene | R | 97 UJ | 12 U | 12 U | 14 U | R | 190 UJ | R | 41 J |
| Toluene | R | NA | 12 U | 12 U | 3 J | R | NA | R | R |
| trans-1,2-Dichloroethene | NA | 97 UJ | NA | NA | NA | NA | 190 UJ | NA | NA |
| Trichloroethene | R | 37 J | 12 U | 12 U | 14 U | R | 206 J | 26 J | 48 J |
| Vinyl Chloride | R | 97 UJ | 12 U | 12 U | 14 U | R | 190 UJ | R | R |
| Xylene, m/p- | NA | 32 UJ | NA | NA | NA | NA | 63 UJ | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | R | 23 J | 2100 UJ | 2100 UJ | 2300 UJ | R | 10 J | R | R |
| Acenaphthene | R | 22 J | 2100 UJ | 2100 UJ | 2300 UJ | R | R | R | R |
| Acenaphthylene | R | 26 J | 2100 UJ | 2100 UJ | 2300 UJ | R | 7 J | R | R |
| Anthracene | R | 99 | 660 J | 2100 UJ | 2300 UJ | R | 50 J | R | R |
| Benzo(a)anthracene | 1200 J | 750 | 1100 J | 700 J | 1100 J | R | 200 | R | R |
| Benzo(a)pyrene | 1300 J | 890 | 2100 UJ | 2100 UJ | 890 J | R | 180 J | R | R |
| Benzo(b)fluoranthene | 3600 J | 1100 J | 920 J | 1300 J | 2100 J | R | 440 J | R | R |
| Benzo(g,h,i)perylene | 340 J | 540 | 2100 UJ | 2100 UJ | 2300 UJ | R | 150 J | R | R |
| Benzo(k)fluoranthene | 3400 J | 570 J | 1100 J | 2100 UJ | 2300 UJ | R | 270 J | R | R |
| bis(2-Ethylhexyl)phthalate | 5100 J | NA | 730 J | 2100 UJ | 1100 J | R | NA | R | R |
| Butylbenzylphthalate | 230 J | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Carbazole | 170 J | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Chrysene | 1300 J | 1100 | 1200 J | 910 J | 1400 J | R | 410 | R | R |
| Dibenz(a,h)anthracene | R | 180 | 2100 UJ | 2100 UJ | 2300 UJ | R | 60 J | R | R |
| Dibenzofuran | R | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Diethylphthalate | R | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Di-n-octylphthalate | R | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Fluoranthene | 2400 J | 2300 | 2400 J | 2200 J | 2800 J | R | 990 | R | R |
| Fluorene | R | 67 J | 2100 UJ | 2100 UJ | 2300 UJ | R | 69 J | R | R |
| Indeno(1,2,3-cd)pyrene | 760 J | 610 | 2100 UJ | 2100 UJ | 2300 UJ | R | 170 J | R | R |
| Naphthalene | NA | 40 J | 2100 UJ | 2100 UJ | 2300 UJ | NA | 15 J | NA | NA |
| N-nitrosodiphenylamine | R | NA | 2100 UJ | 2100 UJ | 2300 UJ | R | NA | R | R |
| Phenanthrene | 770 J | 960 | 2600 J | 810 J | 1100 J | R | 400 | R | R |
| Pyrene | 1800 J | 1700 | 1800 J | 1200 J | 2000 J | R | 590 | R | R |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 12 J | 310 | 9.7 J | 21 UJ | 23 UJ | R | 6.9 J | R | R |
| 4,4'-DDE | 13 J | 130 | 8.2 J | 21 UJ | 23 UJ | R | 3.8 J | R | R |
| 4,4'-DDT | 2.9 J | 12 J | 21 UJ | 21 UJ | 23 UJ | R | 1.8 J | R | R |
| Aldrin | 1.6 J | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| alpha-BHC | 1.7 J | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| alpha-Chlordane | 27 J | 93 | 4.1 J | 3.3 J | 5 J | R | 6 J | R | R |
| Aroclor 1248 | R | 170 J | 210 UJ | 210 UJ | 230 UJ | R | 43 J | R | R |
| Aroclor 1254 | R | 3.3 U | 210 UJ | 210 UJ | 230 UJ | R | 3.3 U | R | R |
| Aroclor 1260 | 310 J | 250 | 210 UJ | 210 UJ | 230 UJ | R | 83 | R | R |
| beta-BHC | 3.1 J | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| delta-BHC | R | 15 J | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| Dieldrin | R | 11 J | 21 UJ | 21 UJ | 20 J | R | 0.57 J | R | R |
| Endosulfan I | R | 1.6 U | 8 J | 8.2 J | 18 J | 8.9 J | 0.45 J | 6 J | 15 J |
| Endosulfan II | R | 3.3 U | 2.6 J | 21 UJ | 23 UJ | R | 0.33 UJ | R | R |
| Endosulfan sulfate | R | 3.3 U | 21 UJ | 21 UJ | 23 UJ | R | 0.33 UJ | R | R |
| Endrin | R | 3.3 U | 21 UJ | 21 UJ | 23 UJ | R | 0.48 J | R | R |
| Endrin aldehyde | 10 J | 7.5 J | 21 UJ | 21 UJ | 23 UJ | R | 2 J | R | R |
| Endrin ketone | R | 3.3 U | 21 UJ | 21 UJ | 23 UJ | R | 0.33 UJ | R | R |
| gamma-BHC (Lindane) | R | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| gamma-Chlordane | 18 J | 650 J | 11 UJ | 11 UJ | 12 UJ | R | 0.98 J | R | R |
| Heptachlor | R | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 UJ | R | R |
| Heptachlor Epoxide | R | 1.6 U | 11 UJ | 11 UJ | 12 UJ | R | 0.17 J | R | R |
| Methoxychlor | R | 16 U | 110 UJ | 110 UJ | 120 UJ | R | 1.7 UJ | R | R |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-13-03-FW | SD-13-03-ME | SD-14-01-FW | SD-14-02-FW | SD-14-03-FW | SD-15-01-FW | SD-15-01-ME | SD-15-02-FW | SD-15-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 27000 J | 14800 J | 4030 | 3830 | 3200 | 4810 J | 6100 J | 6670 J | 6260 J |
| Antimony | R | 4.2 J | 0.99 J | 0.89 J | 0.85 J | 4 J | 3.9 J | 6 J | R |
| Arsenic | 356 J | 186 | 49.1 | 61.1 | 73.4 | 193 J | 184 | 185 J | 104 J |
| Barium | 155 J | 107 | 15.9 | 13.4 | 18.4 | 52.8 J | 65.6 | 62.5 J | 48.9 J |
| Beryllium | 1.5 J | 1.1 J | 0.21 | 0.19 U | 0.2 U | R | 0.76 J | R | 1.1 J |
| Cadmium | 10.6 J | 3.8 | 0.4 | 0.53 | 1 | 37.4 J | 17.7 | 23.3 J | 34.1 J |
| Calcium | 5890 J | 6950 | 1760 | 1020 | 1320 | 15000 J | 13400 | 15700 J | 13200 J |
| Chromium | 710 J | 562 J | 216 | 53.1 J | 43 J | 147 J | 537 J | 229 J | 158 J |
| Cobalt | 40.7 J | 9.7 J | 5 | 2.9 | 4.4 | 14.1 J | 23.1 J | 17.9 J | 16.1 J |
| Copper | 685 J | 450 | 60.1 | 64.9 | 46 | 181 J | 306 | 453 J | 469 J |
| Cyanide | R | NA | 0.51 U | 0.62 U | 0.61 U | R | NA | R | R |
| Iron | 54600 J | 20200 J | 19400 J | 9030 | 13600 | 22200 J | 16000 J | 18500 J | 11800 J |
| Lead | 1180 J | 771 J | 130 J | 34.5 | 40.5 | 55.4 J | 157 J | 104 J | 84.7 J |
| Magnesium | 7610 J | 2370 | 1750 | 1270 | 1200 | 1280 J | 1300 | 1650 J | 1140 J |
| Manganese | 953 J | 330 | 141 J | 84.9 J | 172 J | 1400 J | 956 | 959 J | 1130 J |
| Mercury | 3.3 J | 14.3 J | 0.16 J | 1.4 J | 0.2 J | 0.68 J | 1.3 J | 0.71 J | R |
| Nickel | 53.4 J | 19.4 J | 10.4 | 5.4 | 6.2 | 9.6 J | 18.9 J | 17.5 J | 20.5 J |
| Potassium | 2030 J | 741 J | 586 | 455 | 485 | 259 J | 243 J | 390 J | 282 J |
| Selenium | 5.9 J | 3.1 J | 0.73 J | 0.61 U | 0.61 | R | 1.2 UJ | 8.6 J | 6.5 J |
| Silver | 1.4 J | 0.32 J | 0.26 U | 0.3 U | 0.26 U | R | 0.29 J | R | R |
| Sodium | 710 J | 798 | 57.2 | 75.6 | 74.4 | 859 J | 642 | 811 J | 962 J |
| Thallium | 3.2 J | 0.43 UJ | 0.81 | 0.71 U | 0.61 U | R | 2.4 J | R | R |
| Vanadium | 120 J | 54 | 13.3 | 8.9 | 12.2 | 14.2 J | 22.4 | 22.9 J | 19.3 J |
| Zinc | 2670 J | 641 J | 220 | 170 | 273 | 3350 J | 2490 J | 2660 J | 1990 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | 37.45 J | NA | NA | NA | NA | 35.203 J | NA | NA |
| Cadmium | 2 J | 5.6 U | 0.82 J | 0.51 J | 0.88 J | 33.9 J | 22.4 J | 23.7 J | 59.9 J |
| Copper | 341 J | 37.465 J | 36.1 J | 99.3 J | 37.5 J | 138 U | 3.175 UJ | 380 J | 346 J |
| Lead | 911 J | 578.088 J | 57.5 J | 38.1 J | 47.6 J | 34 U | 167.832 J | 71.3 J | 65.3 J |
| Mercury | 0.55 J | 10.03 U | 0.003 U | 0.02 J | 0.004 U | 0.02 U | 10.03 U | 0.02 U | 0.02 U |
| Nickel | 37.4 U | 12.3249 J | 46.3 U | 94.5 J | 4.9 U | 32.1 U | 30.5188 J | 169 U | 340 U |
| SEM/AVS Ratio | 58 | 2.26 | 0.18 | 2.8 | 2.9 | 0.38 | 0.88 | 0.88 | 3 |
| Sulfide | 12.84 J | 121.659 | 770.4 | 73.83 | 211.86 | 3434.7 J | 1004.73 | 1351.41 | 471.87 |
| Zinc | 892 J | 326.864 J | 224 J | 205 J | 1190 J | 2670 J | 1719.99 J | 2000 J | 2510 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 229000 | 118000 J | 11000 | 4480 | 12300 | 432000 | 702000 J | 381000 | 450000 |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-16-01-FW | SD-16-02-FW | SD-16-03-FW | SD-18-01-FW | SD-18-02-FW | SD-18-02-ME | SD-18-02-TR | SD-18-03-FW | SD-18-03-ME |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 26 U | 13 U | 13 U | 18 U | R | 178 U | 70 UJ | R | 229 U |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | R | NA | NA |
| 1,1-Dichloroethane | 26 U | 13 U | 13 U | 3 J | R | 178 U | R | R | 229 U |
| 1,2-Dichloroethene(total) | 26 U | 13 U | 13 U | 59 | R | NA | NA | R | NA |
| 2-Butanone | 26 U | 13 UJ | 13 UJ | 18 U | R | NA | R | 65 J | NA |
| Acetone | 26 U | 25 UJ | 24 UJ | 150 UJ | 310 J | NA | 385 J | 230 J | NA |
| Benzene | 26 U | 13 U | 13 U | 18 U | R | 24 UJ | R | R | 31 UJ |
| Carbon Disulfide | 26 U | 13 U | 13 U | 18 U | R | NA | R | R | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | 37 J | R | NA | 76 UJ |
| Ethylbenzene | 26 U | 13 U | 13 U | 18 U | R | 24 UJ | R | R | 31 UJ |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | R | NA | NA |
| Methylene Chloride | 26 UJ | 13 UJ | 13 UJ | 30 UJ | R | 178 U | 56 U | R | 229 U |
| Naphthalene | NA | NA | NA | NA | NA | 178 U | NA | NA | 229 U |
| Tetrachloroethene | 26 U | 13 U | 13 U | 18 U | R | 178 U | R | R | 229 U |
| Toluene | 26 U | 13 U | 13 U | 18 U | R | NA | R | R | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | 178 U | R | NA | 229 U |
| Trichloroethene | 26 U | 13 U | 13 U | 18 U | R | 59 UJ | R | R | 76 UJ |
| Vinyl Chloride | 26 U | 13 U | 13 U | 2 J | R | 178 U | R | R | 229 U |
| Xylene, m/p- | NA | NA | NA | NA | NA | 59 UJ | R | NA | 76 UJ |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 840 U | 420 U | 420 U | 600 U | R | 15 J | 410 U | R | 21 J |
| Acenaphthene | 840 U | 420 U | 420 U | 600 U | R | 30 J | 410 U | R | 29 J |
| Acenaphthylene | 840 U | 420 U | 420 U | 600 U | R | 16 J | 410 U | R | 23 J |
| Anthracene | 840 U | 420 U | 420 U | 600 U | R | 150 | 410 U | R | 130 |
| Benzo(a)anthracene | 840 U | 420 U | 420 U | 600 U | R | 1400 | 410 U | R | 1400 |
| Benzo(a)pyrene | 840 U | 420 U | 420 U | 600 U | R | 1900 | R | R | 1900 J |
| Benzo(b)fluoranthene | 840 U | 420 U | 45 J | 600 U | R | 2500 J | 180 J | R | 2400 J |
| Benzo(g,h,i)perylene | 840 U | 420 U | 420 U | 600 U | R | 1400 | 410 U | R | 1600 J |
| Benzo(k)fluoranthene | 840 U | 420 U | 45 J | 600 U | R | 1200 J | 410 J | R | 920 J |
| bis(2-Ethylhexyl)phthalate | 840 U | 73 J | 420 U | 600 U | R | NA | 410 U | R | NA |
| Butylbenzylphthalate | 130 J | 420 U | 420 U | 600 U | R | NA | 410 U | R | NA |
| Carbazole | 840 U | 420 U | 420 U | 600 U | R | NA | 410 U | R | NA |
| Chrysene | 840 U | 420 U | 420 U | 600 U | R | 2200 | 410 U | R | 2000 |
| Dibenz(a,h)anthracene | 840 U | 420 U | 420 U | 600 U | R | 430 | 410 U | R | 410 J |
| Dibenzofuran | 840 U | 420 U | 420 U | 600 U | R | NA | 410 U | R | NA |
| Diethylphthalate | 840 U | 420 U | 420 U | 600 U | R | NA | 410 U | R | NA |
| Di-n-octylphthalate | 840 UJ | 420 U | 420 U | 600 UJ | R | NA | 410 U | R | NA |
| Fluoranthene | 88 J | 420 U | 50 J | 600 U | R | 4000 | 220 J | R | 3100 |
| Fluorene | 840 U | 420 U | 420 U | 600 U | R | 110 | 410 U | R | 94 |
| Indeno(1,2,3-cd)pyrene | 840 U | 420 U | 420 U | 600 U | R | 1400 | 410 U | R | 1500 J |
| Naphthalene | 840 U | 420 U | 420 U | 600 U | NA | 29 J | 410 U | NA | 34 J |
| N-nitrosodiphenylamine | 840 U | 420 U | 420 U | 600 U | R | NA | 410 U | R | NA |
| Phenanthrene | 840 U | 420 U | 420 U | 600 U | R | 1400 | 410 U | R | 1200 |
| Pyrene | 110 J | 420 U | 61 J | 600 U | R | 3100 | 200 J | R | 2600 |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 11 | 13 | 4.2 U | 6.1 U | R | 23 J | 3.2 U | 5.1 J | 4.9 J |
| 4,4'-DDE | 2.9 J | 3.6 J | 0.32 J | 0.83 J | R | 28 | 3.2 U | 3.9 J | 30 |
| 4,4'-DDT | 1.8 J | 6.8 | 0.32 J | 6.1 U | R | 1.2 J | 3.2 U | R | 1.7 J |
| Aldrin | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| alpha-BHC | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| alpha-Chlordane | 0.67 J | 0.45 J | 4.2 U | 6.1 U | R | 7.7 J | 1.6 U | R | 17 J |
| Aroclor 1248 | 84 U | 42 U | 42 U | 61 U | R | 60 J | 32 U | R | 170 J |
| Aroclor 1254 | 84 U | 42 U | 42 U | 61 U | R | 3.3 U | 32 U | R | 3.4 U |
| Aroclor 1260 | 84 U | 42 U | 42 U | 61 U | R | 90 | 32 U | R | 190 |
| beta-BHC | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| delta-BHC | 4.3 U | 0.29 J | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| Dieldrin | 1 J | 0.49 J | 0.32 J | 0.34 J | R | 0.33 J | 3.2 U | R | 0.94 J |
| Endosulfan I | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| Endosulfan II | 8.4 U | 4.2 U | 4.2 U | 6.1 U | R | 0.33 U | 3.2 U | R | 0.34 U |
| Endosulfan sulfate | 8.4 U | 4.2 U | 4.2 U | 6.1 U | R | 0.33 U | 3.2 U | R | 0.41 J |
| Endrin | 8.4 U | 4.2 U | 4.2 U | 0.087 J | R | 1.3 J | 3.2 U | R | 1.1 J |
| Endrin aldehyde | 8.4 U | 4.2 U | 4.2 U | 6.1 U | R | 2.4 J | 3.2 U | R | 3.6 J |
| Endrin ketone | 8.4 U | 4.2 U | 4.2 U | 6.1 U | R | 0.33 U | 3.2 U | R | 0.34 U |
| gamma-BHC (Lindane) | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| gamma-Chlordane | 0.72 J | 0.47 J | 0.12 J | 0.17 J | R | 1.9 J | 1.6 U | R | 26 J |
| Heptachlor | 4.3 UJ | 2.1 U | 2.2 U | 3.1 UJ | R | 0.16 U | 1.6 U | R | 0.17 U |
| Heptachlor Epoxide | 4.3 U | 2.1 U | 2.2 U | 3.1 U | R | 0.16 U | 1.6 U | R | 0.17 U |
| Methoxychlor | 43 U | 21 U | 22 U | 31 U | R | 1.6 U | 16 U | R | 1.7 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-16-01-FW | SD-16-02-FW | SD-16-03-FW | SD-18-01-FW | SD-18-02-FW | SD-18-02-ME | SD-18-02-TR | SD-18-03-FW | SD-18-03-ME |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 2800 | 3690 | 2480 | 3970 | 9650 J | 20300 | 16200 | 11200 J | 24100 |
| Antimony | 0.56 J | 0.34 U | 0.56 U | 1.1 J | 11 J | 8.9 J | 26.9 | 8.3 J | 9.2 J |
| Arsenic | 13.6 | 12.7 J | 6.4 J | 34.9 | 279 J | 1180 | 1490 | 351 J | 839 |
| Barium | 10.6 | 12.4 | 21.2 | 12.3 | 24.8 J | 143 | 147 | 45.8 J | 169 |
| Beryllium | 0.12 U | 0.12 | 0.016 U | 0.44 U | 0.67 J | 1.8 | 1.4 J | 1.3 J | 2.3 |
| Cadmium | 0.18 | 0.34 | 0.1 | 1.9 | 13.8 J | 15.1 | 13 | 9.1 J | 16 |
| Calcium | 772 | 1190 J | 3680 J | 2960 | 8900 J | 7300 | 7850 | 12700 J | 6860 |
| Chromium | 20.9 J | 38.4 J | 3.3 J | 109 J | 340 J | 3890 | 2140 | 423 J | 4340 |
| Cobalt | 2.9 | 4 | 5.2 | 3.5 | 14.2 J | 44.3 | 37.8 J | 16.7 J | 54.9 |
| Copper | 24.8 | 32.5 | 7.1 | 158 | 1130 J | 1010 | 854 | 787 J | 1310 |
| Cyanide | 0.6 U | 0.41 U | 0.51 U | 1.3 U | R | NA | NA | R | NA |
| Iron | 5110 | 6850 | 4860 | 4460 | 12200 J | 99600 | 120000 | 18500 J | 85100 |
| Lead | 10.1 | 15.4 J | 1.9 J | 55.4 | 429 J | 469 | 440 | 230 J | 678 |
| Magnesium | 1300 | 1870 | 931 | 711 | 934 J | 2780 | 2460 | 1150 J | 2930 |
| Manganese | 93.3 J | 158 J | 84 J | 93 J | 270 J | 1630 | 1740 | 472 J | 1580 |
| Mercury | 0.37 J | 0.13 | 0.046 U | 0.68999 J | 5.7 J | 7.5 | 0.35 | 1.9 J | 5.5 |
| Nickel | 4.2 | 5.7 | 1.6 | 4.6 | 13 J | 42.5 | 24.3 | 16 J | 46.7 |
| Potassium | 299 | 519 | 515 | 197 | R | 894 | 694 J | 195 J | 1050 |
| Selenium | 0.54 U | 0.43 U | 0.7 U | 1.8 | R | 8 J | 1 U | 8.7 J | 9 J |
| Silver | 0.27 U | 0.21 U | 0.35 U | 0.66 U | R | 0.74 J | 1 U | R | 0.62 J |
| Sodium | 92 | 37.3 U | 60.8 U | 290 | 929 J | 648 U | 592 J | 1300 J | 551 U |
| Thallium | 0.63 U | 0.5 U | 0.82 U | 1.5 U | R | 1 U | 1.1 UJ | R | 1.9 U |
| Vanadium | 6.7 | 10.3 | 4.2 | 8.9 | 29.1 J | 76 | 56 J | 27.1 J | 95.9 |
| Zinc | 78.5 | 155 J | 36.4 J | 420 | 1240 J | 4020 | 2400 J | 2040 J | 3600 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | 256.907 J | NA | NA | 224.7 J |
| Cadmium | 2.5 | 0.6 | 0.22 J | 2.3 | 10.9 J | 12.32 | 7.7952 | 16.1 J | 8.96 |
| Copper | 29.2 J | 55.2 | 18.7 U | 94.7 J | 433 J | 138.43 | 467.53145 | 225 J | 260.985 |
| Lead | 10.9 J | 24.9 | 11.6 | 56.3 J | 388 J | 352.24 | 277.04712 | 182 J | 493.136 |
| Mercury | 0.01 U | 0.004 U | 0.003 U | 0.01 U | 0.02 U | R | 1.9057 J | 0.01 U | R |
| Nickel | 1.7 U | 4.5 U | 2.6 U | 95 U | 115 U | 27.5843 J | 13.762805 | 76.9 U | 35.8009 J |
| SEM/AVS Ratio | 3.9 | 4.1 | 3.1 | 1.2 | 0.52 | 1.4 | 6.12 | 0.19 | 1.64 |
| Sulfide | 13.803 | 34.026 | 20.544 | 247.17 | 2009.46 J | 548.91 | 153.438 | 6805.2 J | 510.39 |
| Zinc | 74.9 J | 222 | 128 | 469 J | 1570 J | 1285.05 J | 1411.25352 | 2290 J | 1245.51 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 1390 | 125 U | 3040 | 61100 | 259000 | 361000 J | NA | 262000 | 423000 J |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | 300000 J | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-19-01-FW | SD-19-01-ME | SD-19-01-TR | SD-19-02-FW | SD-19-03-FW | SD-20-01-FW | SD-20-01-ME | SD-20-02-FW | SD-20-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | R | 237 UJ | 51 UJ | R | R | R | 343 U | R | R |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | R | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | R | 237 UJ | R | R | R | R | 343 U | R | R |
| 1,2-Dichloroethene(total) | 16 J | NA | NA | 18 J | R | 15 J | NA | R | R |
| 2-Butanone | 290 J | NA | R | 160 J | R | 107.5 J | NA | R | R |
| Acetone | R | NA | 310 J | R | R | 590 J | NA | 94 J | R |
| Benzene | R | 32 UJ | R | R | R | R | 46 UJ | R | R |
| Carbon Disulfide | R | NA | R | R | R | 19 J | NA | R | R |
| cis-1,2-Dichloroethene | NA | 82 J | R | NA | NA | NA | 562 J | NA | NA |
| Ethylbenzene | R | 32 UJ | R | R | R | R | 46 UJ | R | R |
| Methyl Acetate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | R | 237 UJ | 51 U | R | R | R | 343 U | R | R |
| Naphthalene | NA | 237 UJ | NA | NA | NA | NA | 343 U | NA | NA |
| Tetrachloroethene | R | 237 UJ | R | R | R | R | 790 U | R | R |
| Toluene | R | NA | R | R | R | R | NA | R | R |
| trans-1,2-Dichloroethene | NA | 237 UJ | R | NA | NA | NA | 343 U | NA | NA |
| Trichloroethene | R | 42 J | R | R | R | R | 2025 J | R | R |
| Vinyl Chloride | R | 237 UJ | R | R | R | R | 343 U | R | R |
| Xylene, m/p- | NA | 79 UJ | R | NA | NA | NA | 114 UJ | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | R | R | 400 U | R | R | R | 13 J | R | R |
| Acenaphthene | R | R | 400 U | R | R | R | R | R | R |
| Acenaphthylene | R | R | 400 U | R | R | R | 6 J | R | R |
| Anthracene | R | 18 J | 400 U | R | R | R | 26 J | R | R |
| Benzo(a)anthracene | 245 J | 130 J | 400 U | R | 200 J | R | 210 | 1100 J | 1000 J |
| Benzo(a)pyrene | 295 J | 160 J | 210 J | R | 270 J | R | 290 J | 1200 J | 730 J |
| Benzo(b)fluoranthene | 935 J | 290 J | 410 | R | 700 J | 915 J | 330 | 3700 J | 3700 J |
| Benzo(g,h,i)perylene | R | 120 J | 400 U | R | R | R | 210 J | R | R |
| Benzo(k)fluoranthene | 910 J | 200 J | 400 J | R | 680 J | R | 370 | R | R |
| bis(2-Ethylhexyl)phthalate | 570 J | NA | 400 U | R | 290 J | 2050 J | NA | 5900 J | 2500 J |
| Butylbenzylphthalate | R | NA | 400 U | R | R | R | NA | R | R |
| Carbazole | R | NA | 400 U | R | R | R | NA | R | R |
| Chrysene | 365 J | 230 J | 210 J | R | 300 J | R | 400 | 1400 J | 1500 J |
| Dibenz(a,h)anthracene | R | 46 J | 400 U | R | R | R | 97 J | R | R |
| Dibenzofuran | R | NA | 400 U | R | R | R | NA | R | R |
| Diethylphthalate | R | NA | 400 U | R | R | R | NA | R | R |
| Di-n-octylphthalate | R | NA | 400 U | R | R | R | NA | R | R |
| Fluoranthene | 510 J | 410 J | 280 J | R | 420 J | 770 J | 720 | 3000 J | 2900 J |
| Fluorene | R | 14 J | 400 U | R | R | R | 36 J | R | R |
| Indeno(1,2,3-cd)pyrene | 180 J | 140 J | 400 U | R | R | R | 210 J | 830 J | R |
| Naphthalene | NA | 12 J | 400 U | NA | NA | NA | 14 J | NA | NA |
| N-nitrosodiphenylamine | R | NA | 400 U | R | R | R | NA | R | R |
| Phenanthrene | R | 160 J | 400 U | R | R | R | 240 | 890 J | 650 J |
| Pyrene | 415 J | 340 J | 270 J | R | 340 J | R | 540 J | 2500 J | 1400 J |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 7.5 J | 9 | 3.1 U | 2.5 J | 11 J | 14 J | 8.4 J | 32 J | 26 J |
| 4,4'-DDE | 11 J | 3.2 | 1.6 J | 4.5 J | 20 J | 13 J | 4.4 | 32 J | 30 J |
| 4,4'-DDT | 1.95 J | 0.33 U | 3.1 U | 3.4 J | 2.1 J | R | 4.6 J | R | R |
| Aldrin | 0.67 J | 0.16 U | 1.6 U | R | R | R | R | R | R |
| alpha-BHC | R | 0.16 U | 1.6 U | 0.47 J | R | R | 0.16 U | R | R |
| alpha-Chlordane | 4.65 J | 0.98 J | 1.6 U | 2.1 J | 4.6 J | 14.5 J | 12 J | 42 J | 49 J |
| Aroclor 1248 | R | 35 J | 31 U | R | R | R | 28 J | R | R |
| Aroclor 1254 | R | 3.3 U | 31 U | R | R | R | 3.1 U | R | R |
| Aroclor 1260 | R | 11 | 31 U | R | R | R | 79 | R | R |
| beta-BHC | 2.35 J | 0.16 U | 1.6 U | 2.2 J | R | R | 0.16 U | R | R |
| delta-BHC | R | 0.16 U | 1.6 U | R | R | R | 0.16 U | R | R |
| Dieldrin | 4.85 J | 2.5 J | 3.1 U | 1.8 J | 3.8 J | R | 0.7 J | R | R |
| Endosulfan I | 1.065 J | 0.44 J | 1.6 U | 0.72 J | R | R | 0.16 U | 38 J | 42 J |
| Endosulfan II | R | 0.33 U | 3.1 U | R | R | R | 0.31 U | R | R |
| Endosulfan sulfate | R | 0.33 U | 3.1 U | R | R | R | 0.31 U | R | R |
| Endrin | 5.05 J | 0.92 J | 3.1 U | 1.4 J | 3.5 J | R | 0.97 J | R | R |
| Endrin aldehyde | 1.6 J | 0.33 U | 3.1 U | R | 2.4 J | R | 1.3 J | R | R |
| Endrin ketone | R | 0.33 U | 3.1 U | R | R | R | 0.31 U | R | R |
| gamma-BHC (Lindane) | R | 0.16 U | 1.6 U | R | R | R | 0.16 U | R | R |
| gamma-Chlordane | 4.8 J | 0.59 J | 1.6 U | 2.7 J | 4.6 J | 11.9 J | 6.8 J | R | R |
| Heptachlor | R | 0.16 U | 1.6 U | R | R | R | R | R | R |
| Heptachlor Epoxide | R | 0.16 U | 1.6 U | R | R | R | 0.49 J | R | R |
| Methoxychlor | R | 1.6 U | 16 U | R | R | R | 1.6 U | R | R |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-19-01-FW | SD-19-01-ME | SD-19-01-TR | SD-19-02-FW | SD-19-03-FW | SD-20-01-FW | SD-20-01-ME | SD-20-02-FW | SD-20-03-FW |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 19750 J | 10100 | 7060 | 6240 J | 12800 J | 18450 J | 13500 J | 26800 J | 29700 J |
| Antimony | 23.15 J | 5.2 J | 16.4 | 3.9 J | 9.2 J | 4.25 J | 3.8 J | 4 J | 5.4 J |
| Arsenic | 3790 J | 182 | 4250 | 180 J | 1850 J | 264.5 J | 236 | 321 J | 311 J |
| Barium | 123.1 J | 66.5 | 205 | 40.1 J | 55.4 J | 57.25 J | 44.2 | 151 J | 112 J |
| Beryllium | 1.7 J | 2.9 | 0.68 J | R | 1.3 J | 1.55 J | 1.2 J | 1.8 J | 2 J |
| Cadmium | 12.85 J | 7.4 | 8.3 | 11.3 J | 18.9 J | 13.15 J | 15.3 | 17.3 J | 18.5 J |
| Calcium | 7445 J | 11800 | 4120 | 13400 J | 7760 J | 13150 J | 11100 | 9870 J | 10100 J |
| Chromium | 2335 J | 226 | 866 | 93.7 J | 1540 J | 1450 J | 1090 J | 1860 J | 1450 J |
| Cobalt | 45.05 J | 18.7 | 37.3 J | 12.8 J | 16.6 J | 25.9 J | 28.3 J | 41.4 J | 46.3 J |
| Copper | 1330 J | 557 | 354 | 98.6 J | 841 J | 1075 J | 1060 | 888 J | 1030 J |
| Cyanide | R | NA | NA | R | R | R | NA | R | R |
| Iron | 163500 J | 19800 | 258000 | 14400 J | 89400 J | 24100 J | 18500 J | 43800 J | 34900 J |
| Lead | 639 J | 197 | 206 | 35.8 J | 326 J | 449.5 J | 450 J | 980 J | 1200 J |
| Magnesium | 1945 J | 1300 | 1280 | 850 J | 1270 J | 2300 J | 1530 | 6030 J | 6720 J |
| Manganese | 1160 J | 677 | 2020 | 412 J | 679 J | 901.5 J | 711 | 793 J | 511 J |
| Mercury | 7.1 J | 0.98 | 0.11 U | 0.48 J | 1.6 J | 1 J | 1.3 J | 2.6 J | 3.3 J |
| Nickel | 33.55 J | 14.6 | 0.8 U | 11.1 J | 20.3 J | 34.05 J | 27.5 J | 51.2 J | 57.7 J |
| Potassium | 650.5 J | 342 U | R | 275 J | 434 J | 569 J | 454 J | 1680 J | 2000 J |
| Selenium | 13.05 J | 5.6 | 1 U | 2.5 J | 9.1 J | 11.1 J | 3.3 J | 6.9 J | 7 J |
| Silver | R | 0.12 UJ | 1 U | R | R | R | 0.29 J | 1.6 J | R |
| Sodium | 368 J | 706 U | 365 U | 458 J | 384 J | 900 J | 612 | 979 J | 922 J |
| Thallium | R | 1.5 U | 1.1 UJ | R | R | R | 0.44 UJ | R | 4.4 J |
| Vanadium | 92.65 J | 25.4 | 32.4 J | 10.5 J | 50.9 J | 49.8 J | 38.2 | 106 J | 115 J |
| Zinc | 2960 J | 1080 | 1600 J | 1690 J | 2260 J | 1670 J | 2380 J | 3470 J | 3380 J |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | 38.948 J | NA | NA | NA | NA | 83.888 J | NA | NA |
| Cadmium | 9.55 | 5.6 U | 7.3696 | 9.3 | 18.3 | 16.6 J | 10.08 J | 14.8 J | 13.2 |
| Copper | 798.5 J | 24.13 | 271.06245 | 797 J | 1540 J | 550.5 J | 81.915 J | 594 J | 619 J |
| Lead | 451 J | 124.32 | 175.82992 | 457 J | 548 J | 383 J | 296.296 J | 733 J | 796 |
| Mercury | 0.01 U | R | 0.02006 J | 0.01 U | 0.05 J | 0.02 U | 10.03 U | 0.01 U | 0.04 |
| Nickel | 257.8 J | 8.8035 J | 0.804053 | 334 J | 220 U | 137 U | 42.2568 J | 202 U | 41.4 U |
| SEM/AVS Ratio | 0.865 | 1.55 | 4.01 | 1.0 | 3.1 | 1.4 | 1.36 | 2.1 | 38 |
| Sulfide | 1887.48 | 220.848 | 180.723 | 1726.98 | 590.64 | 820.155 J | 568.17 | 850.65 J | 41.73 |
| Zinc | 1985 J | 629.345 J | 1190.4762 | 2210 J | 1970 J | 1600 J | 1357.54 J | 2830 J | 2340 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | 323500 | 686000 J | NA | 380000 | 363000 | 362000 | 441000 J | 234000 | 247000 |
| Total Organic Carbon | NA | NA | 290000 J | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-21-01-FW | SD-21-01-ME | SD-21-02-FW | SD-21-03-FW | SD-22-01-FW | SD-22-01-TR | SD-22-02-FW | SD-22-02-ME |
|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | |
| 1,1,1-Trichloroethane | R | 75 UJ | R | R | R | 150 U | 26 U | 205 U |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | R | NA | NA |
| 1,1-Dichloroethane | R | 225 UJ | R | R | R | R | 26 U | 205 U |
| 1,2-Dichloroethene(total) | R | NA | R | R | R | NA | 26 U | NA |
| 2-Butanone | R | NA | R | R | R | R | 26 U | NA |
| Acetone | R | NA | R | R | R | 2400 J | 26 U | NA |
| Benzene | R | 22 J | R | R | R | R | 26 U | 27 UJ |
| Carbon Disulfide | R | NA | R | R | R | R | 26 U | NA |
| cis-1,2-Dichloroethene | NA | 76 UJ | NA | NA | NA | R | NA | 73 J |
| Ethylbenzene | R | 30 UJ | R | R | R | R | 26 U | 27 UJ |
| Methyl Acetate | NA | NA | NA | NA | NA | R | NA | NA |
| Methylene Chloride | R | 225 UJ | R | R | R | 150 U | 28 J | 205 U |
| Naphthalene | NA | 208.25 J | NA | NA | NA | NA | NA | 205 U |
| Tetrachloroethene | R | 75 UJ | R | R | 410 J | R | 120 | 3164 |
| Toluene | R | NA | R | R | R | R | 26 U | NA |
| trans-1,2-Dichloroethene | NA | 225 UJ | NA | NA | NA | R | NA | 205 U |
| Trichloroethene | R | 19 J | R | R | 21 J | R | 26 U | 803 |
| Vinyl Chloride | R | 225 UJ | R | R | R | R | 26 U | 205 U |
| Xylene, m/p- | NA | 30 UJ | NA | NA | NA | R | NA | 68 UJ |
| SVOCs (ug/Kg) | | | | | | | | |
| 2-Methylnaphthalene | R | 140 | R | R | R | 540 U | 870 U | 13 J |
| Acenaphthene | R | 67 J | R | R | R | 540 U | 870 U | R |
| Acenaphthylene | R | 38 J | R | R | R | 540 U | 870 U | 12 J |
| Anthracene | R | 420 | R | R | R | 540 U | 870 U | 46 J |
| Benzo(a)anthracene | R | 390 | R | R | R | 540 U | 870 U | 300 |
| Benzo(a)pyrene | R | 890 J | R | R | R | R | 870 U | 200 |
| Benzo(b)fluoranthene | 3100 J | 980 | 740 J | R | 430 J | 540 U | 870 U | 440 |
| Benzo(g,h,i)perylene | R | 710 J | R | R | R | 540 U | 870 U | 190 |
| Benzo(k)fluoranthene | R | 67 U | R | R | R | 540 J | 870 U | 290 |
| bis(2-Ethylhexyl)phthalate | 3100 J | NA | 990 J | 3100 J | R | 540 U | 870 U | NA |
| Butylbenzylphthalate | R | NA | R | R | R | 540 U | 870 U | NA |
| Carbazole | R | NA | R | R | R | 540 U | 870 U | NA |
| Chrysene | R | 940 | R | R | R | 540 U | 870 U | 400 |
| Dibenz(a,h)anthracene | R | 240 J | R | R | R | 540 U | 870 U | 44 J |
| Dibenzofuran | R | NA | R | R | R | 540 U | 870 U | NA |
| Diethylphthalate | R | NA | R | R | R | 540 U | 870 U | NA |
| Di-n-octylphthalate | R | NA | R | R | R | 540 U | 870 U | NA |
| Fluoranthene | 2500 J | 1400 | 970 J | R | 530 J | 540 U | 260 J | 840 |
| Fluorene | R | 240 | R | R | R | 540 U | 870 U | 26 J |
| Indeno(1,2,3-cd)pyrene | R | 620 J | R | R | R | 540 U | 870 U | 220 |
| Naphthalene | NA | 1300 J | 2500 J | NA | NA | 540 U | 870 U | 25 J |
| N-nitrosodiphenylamine | R | NA | R | R | R | 540 U | 870 U | NA |
| Phenanthrene | R | 600 | R | R | R | 540 U | 870 U | 490 |
| Pyrene | 2400 J | 1300 | 620 J | R | R | 540 U | 870 U | 610 |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 28 J | 35 J | R | 27 J | R | 4.5 U | 8.7 UJ | 9.6 J |
| 4,4'-DDE | 36 J | 22 | R | 35 J | 30 J | 4.5 U | 8.3 J | 31 |
| 4,4'-DDT | R | 4.4 J | R | R | R | 4.5 U | 8.7 UJ | 2.7 J |
| Aldrin | R | 1.6 U | R | R | R | 2.3 U | 4.5 UJ | 0.15 U |
| alpha-BHC | R | 1.6 U | R | R | R | 2.3 U | 4.5 UJ | 0.15 U |
| alpha-Chlordane | 60 J | 29 | R | 62 J | R | 2.3 U | 4.5 UJ | 1.2 J |
| Aroclor 1248 | R | 240 J | R | R | R | 45 U | 87 UJ | 8.1 J |
| Aroclor 1254 | R | 3.2 U | R | R | R | 45 U | 87 UJ | 3.1 U |
| Aroclor 1260 | R | 420 | R | R | R | 45 U | 87 UJ | 29 |
| beta-BHC | R | 1.6 U | R | R | R | 2.3 U | 4.5 UJ | 0.15 U |
| delta-BHC | R | 1.8 J | R | R | R | 2.3 U | 4.5 UJ | 0.16 J |
| Dieldrin | R | 3.2 U | R | R | R | 4.5 U | 8.7 UJ | 0.38 J |
| Endosulfan I | 68 J | 1.6 U | 14 J | 59 J | 4.3 J | 2.3 U | 2.5 J | 0.18 J |
| Endosulfan II | R | 5.2 | R | R | R | 4.5 U | 8.7 UJ | 0.48 J |
| Endosulfan sulfate | R | 3.2 U | R | R | R | 4.5 U | 8.7 UJ | 0.31 U |
| Endrin | 16 J | 3.6 J | R | R | R | 4.5 U | 8.7 UJ | 0.31 U |
| Endrin aldehyde | R | 9 J | R | R | R | 4.5 U | 8.7 UJ | 3.3 J |
| Endrin ketone | R | 3.2 U | R | R | R | 4.5 U | 8.7 UJ | 0.31 U |
| gamma-BHC (Lindane) | R | 1.6 U | R | R | R | 2.3 U | 4.5 UJ | 0.15 U |
| gamma-Chlordane | R | 19 J | R | 47 J | R | 2.3 U | 4.5 UJ | 0.19 J |
| Heptachlor | R | 1.6 U | R | R | R | 2.3 U | 4.5 UJ | 0.15 U |
| Heptachlor Epoxide | R | 1.6 U | R | R | 4.9 J | 2.3 U | 2.3 J | 0.29 J |
| Methoxychlor | R | 16 U | R | R | R | 23 U | 45 UJ | 1.5 U |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-21-01-FW | SD-21-01-ME | SD-21-02-FW | SD-21-03-FW | SD-22-01-FW | SD-22-01-TR | SD-22-02-FW | SD-22-02-ME |
|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 18400 J | 11300 J | 8890 J | 16000 J | 6030 J | 3010 | 3560 | 2700 J |
| Antimony | R | 2 J | R | R | R | 38.2 | 2.1 U | 8 J |
| Arsenic | 187 J | 258 | 121 J | 135 J | R | 12.6 | 3.7 U | 6.6 |
| Barium | 150 J | 181 | 55.3 J | 124 J | 50 J | 48.1 | 29.8 | 32.9 |
| Beryllium | 1.1 J | 0.93 J | 0.68 J | 0.89 J | 1.1 J | 0.31 J | 0.48 | 0.48 J |
| Cadmium | 17.3 J | 14.1 | 20.5 J | 18.8 J | 0.62 J | 1 | 0.2 | 0.61 |
| Calcium | 7640 J | 8290 | 4920 J | 4990 J | 20000 J | 19300 | 13600 | 19600 |
| Chromium | 2200 J | 5590 J | 489 J | 1320 J | 35.3 J | 10.6 | 12 | 11.7 J |
| Cobalt | 29.9 J | 26.9 J | 12.8 J | 22.9 J | 3.2 J | 2.5 | 1.4 | 2.7 J |
| Copper | 481 J | 613 | 324 J | 410 J | 22.1 J | 29.5 | 12.2 | 26 |
| Cyanide | R | NA | R | R | R | NA | 1.3 U | NA |
| Iron | 28000 J | 20800 J | 11300 J | 27700 J | 4700 J | 3310 | 2310 J | 2710 J |
| Lead | 722 J | 546 J | 187 J | 652 J | 601 J | 3880 | 967 J | 3970 J |
| Magnesium | 4710 J | 2170 | 1250 J | 4330 J | 1390 J | 1510 | 861 | 1370 |
| Manganese | 247 J | 268 | 101 J | 215 J | 100 J | 51.8 | 34.4 J | 36.7 |
| Mercury | 17.5 J | 0.15 | 2.3 J | 18.2 J | R | 0.03 U | 0.1 UJ | 0.5 |
| Nickel | 46.8 J | 29.8 J | 17.9 J | 36.3 J | 8 J | 7.4 | 4.4 | 9.2 J |
| Potassium | 1330 J | 531 J | 245 J | 1050 J | 467 J | 303 J | 388 | 260 J |
| Selenium | 3.5 J | 3.2 J | R | 3 J | 7.5 J | 1.9 J | 2.3 | 8.1 J |
| Silver | R | 0.3 J | R | R | R | 1 U | 0.87 | 0.22 J |
| Sodium | 1240 J | 796 | 1010 J | 978 J | 567 J | 1320 | 204 | 546 |
| Thallium | R | 0.44 UJ | R | R | R | 1.1 UJ | 1.2 U | 0.44 UJ |
| Vanadium | 77.3 J | 46.2 | 26.6 J | 64.4 J | 35.3 J | 41.6 | 12.6 | 38.8 |
| Zinc | 3830 J | 4940 J | 2350 J | 3130 J | 59.8 J | 111 J | 23 | 34.2 J |
| AVS-SEM (mg/Kg) | | | | | | | | |
| Arsenic | NA | 14.231 J | NA | NA | NA | NA | NA | 3.745 U |
| Cadmium | 13.9 J | 10.08 UJ | 14.7 J | 8.8 J | 0.56 J | 0.5936 J | 0.23 J | 5.6 U |
| Copper | 348 J | 3.175 UJ | 318 J | 226 J | 17.1 U | 12.1158 | 41.7 J | 33.655 J |
| Lead | 548 J | 348.096 J | 276 J | 421 J | 525 J | 1621.58864 | 998 J | 4226.88 J |
| Mercury | 0.18 J | 10.03 U | 0.08 J | 0.08 J | 0.01 U | 0.44132 J | 0.01 U | 10.03 U |
| Nickel | 34.9 U | 9.9773 J | 22.6 U | 21.4 U | 19.9 U | 5.446432 | 147 J | 20.5415 J |
| SEM/AVS Ratio | 11 | 0.99 | 4.1 | 18 | 0.64 | 4.82 | 2.8 | 467.6 |
| Sulfide | 170.13 J | 898.8 | 481.5 J | 57.78 J | 173.34 J | 9.309 | 96.3 J | 1.605 U |
| Zinc | 3150 J | 1693.63 J | 3620 J | 1760 J | 61.7 J | 72.54168 | 24.1 J | 138.39 J |
| TOC/TCO (mg/Kg) | | | | | | | | |
| Total Combustible Organics | NA | 344000 J | NA | NA | NA | NA | NA | 693000 J |
| Total Organic Carbon | 288000 | NA | 441000 | 244000 | 371000 | 430000 J | 198000 | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-22-03-FW | SD-AM-01 | SD-AO-01 | SD-AO-02 | SD-AO-03 | SD-AO-03-TR | SD-AO-04 | SD-AO-05 | SD-AS-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | R | NA | NA | NA | NA | 50 U | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | 50 UJ | NA | NA | NA |
| 1,1-Dichloroethane | R | NA | NA | NA | NA | R | NA | NA | NA |
| 1,2-Dichloroethene(total) | R | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | R | NA | NA | NA | NA | 99 J | NA | NA | NA |
| Acetone | R | NA | NA | NA | NA | 340 J | NA | NA | NA |
| Benzene | R | NA | NA | NA | NA | R | NA | NA | NA |
| Carbon Disulfide | R | NA | NA | NA | NA | R | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Ethylbenzene | R | NA | NA | NA | NA | R | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | 140 J | NA | NA | NA |
| Methylene Chloride | 100 J | NA | NA | NA | NA | 50 UJ | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | 830 J | NA | NA | NA | NA | R | NA | NA | NA |
| Toluene | R | NA | NA | NA | NA | 17 J | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Trichloroethene | 200 J | NA | NA | NA | NA | R | NA | NA | NA |
| Vinyl Chloride | R | NA | NA | NA | NA | R | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | R | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Acenaphthene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Acenaphthylene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Anthracene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Benzo(a)anthracene | R | NA | NA | NA | NA | 240 J | NA | NA | NA |
| Benzo(a)pyrene | R | NA | NA | NA | NA | 290 J | NA | NA | NA |
| Benzo(b)fluoranthene | R | NA | NA | NA | NA | 520 | NA | NA | NA |
| Benzo(g,h,i)perylene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Benzo(k)fluoranthene | R | NA | NA | NA | NA | 350 UJ | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | R | NA | NA | NA | NA | 230 J | NA | NA | NA |
| Butylbenzylphthalate | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Carbazole | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Chrysene | R | NA | NA | NA | NA | 290 J | NA | NA | NA |
| Dibenz(a,h)anthracene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Dibenzofuran | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Diethylphthalate | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Di-n-octylphthalate | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Fluoranthene | R | NA | NA | NA | NA | 540 | NA | NA | NA |
| Fluorene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | 350 U | NA | NA | NA |
| N-nitrosodiphenylamine | R | NA | NA | NA | NA | 350 U | NA | NA | NA |
| Phenanthrene | R | NA | NA | NA | NA | 200 J | NA | NA | NA |
| Pyrene | R | NA | NA | NA | NA | 500 | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| 4,4'-DDE | R | NA | NA | NA | NA | 2.4 J | NA | NA | NA |
| 4,4'-DDT | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Aldrin | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| alpha-BHC | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| alpha-Chlordane | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Aroclor 1248 | R | NA | NA | NA | NA | 28 U | NA | NA | NA |
| Aroclor 1254 | R | NA | NA | NA | NA | 28 U | NA | NA | NA |
| Aroclor 1260 | R | NA | NA | NA | NA | 28 U | NA | NA | NA |
| beta-BHC | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| delta-BHC | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Dieldrin | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Endosulfan I | 4.4 J | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Endosulfan II | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Endosulfan sulfate | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Endrin | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Endrin aldehyde | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| Endrin ketone | R | NA | NA | NA | NA | 2.8 U | NA | NA | NA |
| gamma-BHC (Lindane) | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| gamma-Chlordane | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Heptachlor | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Heptachlor Epoxide | R | NA | NA | NA | NA | 1.4 U | NA | NA | NA |
| Methoxychlor | R | NA | NA | NA | NA | 14 U | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-22-03-FW | SD-AM-01 | SD-AO-01 | SD-AO-02 | SD-AO-03 | SD-AO-03-TR | SD-AO-04 | SD-AO-05 | SD-AS-01 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 3520 J | 7500 | 19700 | 20550 | 20300 | 18400 | 19800 | 21100 | 15700 |
| Antimony | R | 2 J | R | R | R | 5.1 | R | R | 2.15 J |
| Arsenic | R | 121 | 113 | 118.5 | 132 | 128 | 129 | 156 | 111 |
| Barium | 51.4 J | 58.4 | 179 | 187 | 184 | 189 | 187 | 215 | 95.85 |
| Beryllium | 0.4 J | 0.64 | 1 | 1.1 | 1.1 | 1.1 J | 1.1 | 1.2 | 0.895 |
| Cadmium | R | 3.9 | 9.7 | 11.45 | 10.9 | 10 | 10.2 | 12.1 | 10.6 |
| Calcium | 30500 J | 3480 J | 7490 | 7570 | 7710 | 9840 | 6960 | 9300 | 5740 J |
| Chromium | 10.7 J | 322 | 338 | 364.5 | 353 | 317 | 347 | 366 | 576.5 |
| Cobalt | 2 J | 20.3 | 25.1 | 26.6 | 28.8 | 26.6 J | 25 | 35 | 21 |
| Copper | 17.1 J | 197 | 426 | 469 | 448 | 403 | 439 | 512 | 444.5 |
| Cyanide | R | 0.85 J | 1.4 | 1.5 | 1.8 | NA | 0.92 | 0.52 J | 3.8 J |
| Iron | 3430 J | 23400 J | 42600 J | 44000 J | 46200 J | 43400 | 45300 J | 48400 J | 27850 J |
| Lead | 383 J | 150 | 545 | 633 | 662 | 553 | 564 | 641 | 484 |
| Magnesium | 1790 J | 2010 | 6240 | 6495 | 6250 | 5830 | 6210 | 6260 | 4435 |
| Manganese | 74.1 J | 1140 J | 979 | 855 | 1280 | 1210 | 1280 | 2370 | 378.5 J |
| Mercury | R | 1.9 | 1.3 J | 1.45 J | 1.5 J | 0.29 J | 1.4 J | 1.4 J | 3.05 |
| Nickel | 6.3 J | 18 J | 41.4 | 45.6 | 45.8 | 36.4 | 42 | 46.6 | 35 J |
| Potassium | 287 J | 497 | 1620 | 1695 | 1630 | 1840 J | 1600 | 1600 | 963.5 |
| Selenium | 5.9 J | 1.1 J | 2.5 | 2.7 J | 1.6 J | 0.99 U | 2.2 | 3.4 J | 1.95 J |
| Silver | R | 0.42 UJ | 0.38 J | 0.565 J | 0.5 J | 0.99 U | 0.4 J | 0.41 UJ | 0.605 J |
| Sodium | 420 J | 231 J | 617 J | 703.5 J | 672 J | 732 | 633 J | 647 J | 462 |
| Thallium | R | 0.44 J | 0.6 J | 0.715 J | 0.67 J | 1.1 U | 0.61 J | 0.8 J | 0.95 J |
| Vanadium | 29.4 J | 26.9 | 71.8 J | 76.4 J | 80.8 J | 65.7 | 74.4 J | 84.1 J | 59 |
| Zinc | 34.5 J | 941 | 1960 | 2285 | 2180 | 1860 J | 2000 | 2580 | 2085 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | 0.37 U | NA | NA | NA | NA | 6.3616 | NA | NA | NA |
| Copper | 44.2 U | NA | NA | NA | NA | 209.191225 | NA | NA | NA |
| Lead | 258 J | NA | NA | NA | NA | 347.8888 | NA | NA | NA |
| Mercury | 0.01 U | NA | NA | NA | NA | 0.11033 J | NA | NA | NA |
| Nickel | 73.2 U | NA | NA | NA | NA | 16.7530605 | NA | NA | NA |
| SEM/AVS Ratio | 1.3 | NA | NA | NA | NA | 179.35 | NA | NA | NA |
| Sulfide | 44.94 J | NA | NA | NA | NA | 4.09275 J | NA | NA | NA |
| Zinc | 36.2 J | NA | NA | NA | NA | 1049.137 J | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 514000 | NA | NA | NA | NA | 210000 | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | 5.3 | NA | 6.23 | NA | NA | NA | NA | 6.645 |
| Redox Potential | NA | -71 | NA | -45 | NA | NA | NA | NA | -78 |
| Sulfide | NA | 828 J | NA | 2840 J | NA | NA | NA | NA | 757 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AS-02 | SD-BW-01 | SD-BW-02 | SD-BW-03 | SD-BW-04 | SD-BW-05 | SD-CB-01-01 | SD-CB-01-02 | SD-CB-01-03 | SD-CB-01-04 | SD-CB-01-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroet | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AS-02 | SD-BW-01 | SD-BW-02 | SD-BW-03 | SD-BW-04 | SD-BW-05 | SD-CB-01-01 | SD-CB-01-02 | SD-CB-01-03 | SD-CB-01-04 | SD-CB-01-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 18800 | 19250 | 15700 | 16000 | 18900 | 15500 | 4230 | 16000 | 13900 J | 21100 J | 7600 J |
| Antimony | 2.9 J | 19.75 J | 11.1 J | 12.5 | 11.8 | 11.5 | 2 UJ | 1.5 UJ | 1.5 UJ | 1.5 UJ | 0.77 J |
| Arsenic | 121 | 656 J | 772 J | 1360 J | 725 J | 689 J | 31.8 | 80.8 | 45.2 J | 98.7 J | 18.65 J |
| Barium | 109 | 81.9 | 181 | 144 J | 117 J | 173 J | 16.3 U | 46.3 | 25.6 | 22.2 | 19.35 |
| Beryllium | 1.1 | 1.35 | 1.2 | 1.3 | 1.4 | 1.1 | 0.33 | 1.2 | 1.3 | 2 | 0.35 |
| Cadmium | 13.3 | 10.75 J | 12.2 J | 6 | 10.9 | 11.9 | 1.8 J | 16.1 J | 10.6 J | 5.2 J | 1.7 J |
| Calcium | 6120 J | 10200 | 5210 | 5990 | 9350 | 6610 | 3810 | 9550 | 6770 | 8250 | 1345 |
| Chromium | 918 | 2305 | 720 | 934 J | 1440 J | 1590 J | 75.4 | 584 | 490 J | 347 J | 62.9 J |
| Cobalt | 19.7 | 27.45 | 40.7 | 53.6 | 23.6 | 57.5 | 3.1 | 33.4 | 2.8 | 3.9 | 2.45 |
| Copper | 576 | 836 | 535 | 550 J | 743 J | 648 J | 87.6 | 513 | 1000 J | 1090 J | 122.5 J |
| Cyanide | 1.5 J | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 29200 J | 54850 | 121000 | 189000 | 88300 | 127000 | 9250 | 27200 | 8320 | 27200 | 6670 |
| Lead | 661 | 570.5 | 405 | 457 | 513 | 455 | 146 J | 648 J | 490 J | 563 J | 171 J |
| Magnesium | 5130 | 4035 | 3450 | 3440 | 4390 | 3560 | 1000 | 3270 | 1650 | 1730 | 555 |
| Manganese | 384 J | 521 | 1510 | 1530 J | 696 J | 1180 J | 51.5 | 155 | 145 J | 719 J | 96.85 J |
| Mercury | 3.1 | 2.3 J | 3 J | 1.4 | 3.6 | 1.8 | 0.28 | 1.5 | 3.6 J | 4.8 J | 0.67 J |
| Nickel | 39.4 J | 33.7 | 32.6 | 38 | 37.6 | 46.9 | 5.3 J | 31.8 J | 5.7 | 5.5 | 6.15 J |
| Potassium | 1180 | 975.5 | 1160 | 747 J | 1010 J | 799 J | 219 U | 648 U | 346 | 371 | 121 |
| Selenium | 1.8 J | 5.3 J | 6.1 J | 11.5 J | 8.8 J | 9.4 J | 2.4 J | 5.6 J | 4.2 J | 8.3 J | 1.7 J |
| Silver | 0.76 J | 0.94 | 2.5 | 1.3 | 2.2 | 1.4 | 0.14 U | 0.98 U | 1 U | 0.99 U | 0.12 U |
| Sodium | 562 | 883.5 J | 939 J | 959 J | 1860 J | 1000 J | 598 | 2160 | 1420 | 791 | 491 |
| Thallium | 1.2 J | 3.85 J | 6.7 J | 18.1 J | 8 J | 12 J | 0.61 U | 2.8 J | 1 U | 3.1 | 0.425 J |
| Vanadium | 72.6 | 82.9 | 65.2 | 73.6 | 79.9 | 74.8 | 24.4 | 111 | 57.5 | 29.7 | 34.8 |
| Zinc | 2290 | 1780 | 1710 | 1620 | 1810 | 3050 | 58.4 | 1190 | 813 | 235 | 318.5 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | 160000 | 177000 | 138000 | 160000 | 173000 | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | 6.88 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.785 |
| Redox Potential | -49 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 281.5 |
| Sulfide | 183 J | NA | NA | NA | NA | NA | NA | NA | NA | NA | 91.2 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-01-06 | SD-CB-01-07 | SD-CB-01-08 | SD-CB-01-09 | SD-CB-01-10 | SD-CB-02-01 | SD-CB-02-02 | SD-CB-02-03 | SD-CB-02-04 | SD-CB-02-05 | SD-CB-02-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-01-06 | SD-CB-01-07 | SD-CB-01-08 | SD-CB-01-09 | SD-CB-01-10 | SD-CB-02-01 | SD-CB-02-02 | SD-CB-02-03 | SD-CB-02-04 | SD-CB-02-05 | SD-CB-02-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 11300 J | 14800 J | 11400 J | 6730 J | 11800 J | 8170 | 4630 | 3380 | 4680 | 4340 | 3130 |
| Antimony | 0.57 UJ | 4 J | 1.7 J | 0.87 UJ | 2 J | 1.5 J | 0.89 J | 2 J | 1.7 J | 1.9 J | 2 J |
| Arsenic | 12.5 J | 35 J | 44.5 J | 8.2 J | 37.3 J | 18.5 J | 11.4 J | 55.5 J | 16.3 J | 24.7 J | 56.2 J |
| Barium | 13.9 U | 86.9 | 46.5 | 35.3 | 105 | 55.7 | 13.6 | 23.8 | 16.4 | 29.6 | 23.6 |
| Beryllium | 0.75 | 1.9 | 0.72 | 0.52 | 1 | 0.49 | 0.3 | 0.2 | 0.29 | 0.25 | 0.23 |
| Cadmium | 1.1 J | 5.5 J | 1.8 J | 1.6 J | 6.3 J | 5.8 J | 3.6 J | 2.65 J | 3.1 J | 0.91 J | 4.1 J |
| Calcium | 805 | 3680 | 4020 | 7220 | 13300 | 5310 | 2950 | 7180 | 4430 | 2540 | 1320 |
| Chromium | 42.7 J | 216 J | 244 J | 27.5 J | 83 J | 248 J | 151 J | 79.6 J | 145 J | 122 J | 60.3 J |
| Cobalt | 5.6 | 2.3 | 3.8 | 0.79 | 2.3 | 3.6 | 3.1 | 6.5 | 5.8 | 3.6 | 1.2 |
| Copper | 102 J | 438 J | 368 J | 58.1 J | 111 J | 168 | 92 | 63.25 J | 76.2 | 59.4 J | 57.8 J |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 4250 | 5650 | 8100 | 4550 | 9400 | 7190 | 3960 | 6630 | 5040 | 9640 | 5470 |
| Lead | 88.1 J | 532 J | 244 J | 75 J | 217 J | 191 | 87.1 | 81.95 | 112 | 67.4 | 75.5 J |
| Magnesium | 968 | 1280 | 1130 | 1020 | 2660 | 2020 | 1130 | 750 | 1380 | 1370 | 460 |
| Manganese | 617 J | 70.1 J | 84 J | 185 J | 1260 J | 64.7 J | 34.6 J | 51.3 J | 34.5 J | 108 J | 38.9 J |
| Mercury | 0.35 J | 1.4 J | 2 J | 0.28 J | 0.44 J | 0.58 | 0.12 | 0.175 | 0.21 | 0.34 | 0.3 |
| Nickel | 7.5 | 7.8 | 10.9 | 4 | 7.1 | 11 J | 6.4 J | 7.05 J | 12.8 J | 7.2 J | 2.1 |
| Potassium | 170 | 257 | 197 | 230 | 785 | 554 | 276 | 236 | 298 | 268 | 174 |
| Selenium | 1.8 J | 5.1 J | 3.9 J | 1.2 J | 2.9 J | 3.1 J | 2.1 J | 1.7 U | 2.5 J | 1.3 J | 2.8 U |
| Silver | 0.38 U | 0.86 U | 0.61 U | 0.58 U | 0.87 U | R | R | R | R | R | R |
| Sodium | 278 | 1290 | 644 | 532 | 1130 | 785 | 503 | 694.5 J | 904 | 500 | 700 J |
| Thallium | 1 | 0.86 U | 0.61 U | 0.58 U | 1.3 J | 0.75 U | 0.64 U | 0.99 U | 0.75 U | 0.61 U | 1.7 U |
| Vanadium | 21.9 | 114 | 60 | 23.8 | 58.4 | 32.3 | 20 | 26.75 | 45.6 | 22.3 | 19.4 |
| Zinc | 91.7 | 738 | 219 | 136 | 421 | 132 J | 135 J | 214.5 J | 292 J | 142 J | 204 J |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | 5.98 | NA | NA | NA | 5.95 | NA | NA | NA |
| Redox Potential | NA | NA | NA | 324 | NA | NA | NA | 246 | NA | NA | NA |
| Sulfide | NA | NA | NA | 123 J | NA | NA | NA | 231 J | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-02-07 | SD-CB-02-08 | SD-CB-02-09 | SD-CB-02-10 | SD-CB-03-01 | SD-CB-03-02 | SD-CB-03-03 | SD-CB-03-04 | SD-CB-03-05 | SD-CB-03-06 | SD-CB-03-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-02-07 | SD-CB-02-08 | SD-CB-02-09 | SD-CB-02-10 | SD-CB-03-01 | SD-CB-03-02 | SD-CB-03-03 | SD-CB-03-04 | SD-CB-03-05 | SD-CB-03-06 | SD-CB-03-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 4670 | 3900 | 1865 | 5620 | 16100 J | 4050 J | 5850 J | 5530 | 10400 J | 12800 | 11200 |
| Antimony | 2 J | 1.1 J | 1 J | 1.3 J | 0.64 UJ | 0.43 UJ | 0.48 UJ | 0.54 UJ | 4.5 J | 4.2 J | 3.5 UJ |
| Arsenic | 45.3 J | 21 J | 7.55 J | 14.6 J | 44 J | 9.1 J | 19.8 J | 13.9 | 111 J | 510 | 117 |
| Barium | 389 | 52.7 | 125 | 55.6 | 30.7 J | 21 | 20.7 | 20.95 | 86.7 J | 93.6 J | 36.6 |
| Beryllium | 0.34 | 0.28 | 0.16 | 0.33 | 0.5 | 0.2 | 0.26 | 0.31 | 0.71 J | 0.91 | 0.61 |
| Cadmium | 3.2 J | 2 J | 2.75 J | 2.8 J | 3.3 J | 1.1 J | 1.2 J | 0.77 J | 17.5 J | 23.1 J | 5.7 J |
| Calcium | 1730 | 3190 | 11650 | 3330 | 3240 | 1980 | 1680 | 1505 | 8550 J | 7700 | 4670 |
| Chromium | 94.9 J | 53.7 J | 17.9 J | 88.2 J | 153 J | 38.7 J | 43.5 J | 59.55 | 672 J | 768 | 514 |
| Cobalt | 2.7 | 3.8 | 7.45 | 4.6 | 9.7 J | 5.9 | 5.7 | 4.35 | 13.4 J | 130 J | 6 |
| Copper | 84.1 J | 55.6 J | 38.3 J | 58.1 J | 124 J | 29.2 J | 36.3 J | 40.55 | 580 J | 670 J | 396 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 5320 | 6850 | 4565 | 4470 | 17900 | 8230 | 9890 | 8930 | 11400 J | 66100 | 11100 |
| Lead | 342 J | 67 J | 73.8 J | 90.8 J | 114 J | 27.4 J | 28.1 J | 24.4 J | 434 J | 443 J | 296 J |
| Magnesium | 846 | 1180 | 921 | 1310 | 2030 | 1720 | 2270 | 2590 | 2740 J | 3320 | 3290 |
| Manganese | 43.2 J | 55.5 J | 87.9 J | 41.3 J | 113 J | 233 J | 242 J | 88.8 | 348 J | 581 | 91.2 |
| Mercury | 0.18 | 0.15 | 0.19 J | 0.16 | 0.22 J | 0.058 J | 0.065 J | 0.1105 J | 1.5 J | 2.9 | 2.9 |
| Nickel | 8.2 | 8.1 | 9.7 | 10.2 | 17 | 8.7 | 10.7 | 10.8 J | 31.6 J | 78.3 J | 18.4 J |
| Potassium | 199 | 310 | 195.5 | 375 | 370 J | 387 | 466 | 382 U | 595 UJ | 851 UJ | 690 U |
| Selenium | 1.3 U | 1.1 J | 2 U | 0.97 U | 2.5 J | 0.69 J | 1 J | 1.5 J | R | 8.8 | 2.8 J |
| Silver | R | R | R | R | 0.43 U | 0.29 U | 0.32 U | 0.11 U | R | 3.2 J | 0.15 U |
| Sodium | 930 J | 748 J | 1290 J | 1400 J | 989 | 326 | 391 | 657 | 6240 J | 8880 J | 1440 |
| Thallium | 0.8 U | 0.54 U | 1.2 U | 0.58 U | 1.5 J | 1.2 | 1.4 | 0.48 U | R | 1.7 U | 0.63 U |
| Vanadium | 25.2 | 18.5 | 19.25 | 37.2 | 25.4 J | 13.5 | 16.1 | 19.55 | 63.6 J | 66.2 J | 54.8 |
| Zinc | 409 J | 278 J | 450 J | 243 J | 597 | 135 | 181 | 196 | 2430 J | 5270 | 645 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | 5.67 | NA | NA | NA | NA | 5.44 | NA | NA | NA |
| Redox Potential | NA | NA | 374 | NA | NA | NA | NA | 367 | NA | NA | NA |
| Sulfide | NA | NA | 112 J | NA | NA | NA | NA | 29.6 J | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-03-08 | SD-CB-03-09 | SD-CB-03-10 | SD-CB-03-11 | SD-CB-03-12 | SD-CB-04-01 | SD-CB-04-02 | SD-CB-04-03 | SD-CB-04-04 | SD-CB-04-05 | SD-CB-04-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroetl | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-03-08 | SD-CB-03-09 | SD-CB-03-10 | SD-CB-03-11 | SD-CB-03-12 | SD-CB-04-01 | SD-CB-04-02 | SD-CB-04-03 | SD-CB-04-04 | SD-CB-04-05 | SD-CB-04-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 15000 | 9390 | 7080 | 6210 | 7560 | 13000 | 8730 | 13800 | 4670 | 10600 | 9840 |
| Antimony | 4.8 J | 0.86 UJ | 1.3 UJ | 1.1 UJ | 0.92 UJ | 2.1 | 7.2 | 4.4 | 0.67 J | 3.2 J | 3.15 |
| Arsenic | 233 | 483 | 131 | 1410 | 188 | 81.1 | 89.8 | 48.8 | 16.5 | 88.6 | 325.5 |
| Barium | 95.5 | 64.9 J | 29.3 | 52.4 J | 65.8 | 70.1 | 67 | 72.7 | 20.9 | 109 | 37.75 |
| Beryllium | 0.85 | 0.77 | 0.44 | 0.47 | 0.46 | 1 | 0.63 J | 0.97 | 0.25 J | 0.79 J | 0.55 |
| Cadmium | 6.4 J | 12 J | 4.4 J | 10 J | 3.2 J | 7.1 | 2.4 | 2.3 | 0.68 | 8.9 | 1.55 |
| Calcium | 11100 | 9000 | 4080 | 6600 | 3410 | 6370 | 6440 | 4460 | 2070 | 11200 | 2505 |
| Chromium | 646 | 751 | 718 | 702 | 415 | 129 | 132 | 568 | 74 | 203 | 224.5 |
| Cobalt | 14.4 | 7.9 J | 10.3 J | 7 J | 16.3 J | 8.4 | 11.3 | 9.7 | 5.6 | 18.9 | 6.25 |
| Copper | 332 | 325 J | 195 J | 237 J | 263 J | 161 | 358 | 329 | 47.7 | 247 | 173 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 43400 | 66400 | 15100 | 86500 | 27000 | 10300 | 86200 | 15300 | 7950 | 20400 | 39000 |
| Lead | 301 J | 260 J | 114 J | 166 J | 149 J | 292 | 248 | 409 | 59.6 | 358 | 171 |
| Magnesium | 4950 | 2410 | 1610 | 1780 | 2200 | 1520 | 1240 | 2650 | 1960 | 3210 | 2765 |
| Manganese | 353 | 212 J | 43.6 J | 105 J | 986 | 199 | 181 | 311 | 281 | 2410 | 144.5 |
| Mercury | 1.1 | 0.7 | 0.81 | 0.65 | 3.6 | 0.49 | 2.2 | 1.2 | 0.22 | 0.8 | 1.05 |
| Nickel | 38.9 J | 26.2 J | 14.7 J | 34.1 J | 17.2 J | 19.7 | 48.4 | 177 | 10.1 | 35.4 | 59.55 |
| Potassium | 1160 U | 547 UJ | 318 UJ | 426 UJ | 300 UJ | 438 | 353 | 426 | 305 | 642 | 673 |
| Selenium | 5.4 J | 6.6 | 2 J | 6.8 | 3.5 | 2.9 | 4.5 | 3.3 | 0.58 U | 4.4 | 2.6 J |
| Silver | 0.4 U | R | 0.12 U | R | R | 0.29 J | 11.5 | 0.2 U | 0.19 U | 0.53 U | 0.25 J |
| Sodium | 2830 | 1330 J | 1020 J | 1920 J | 1200 J | 726 | 838 J | 682 | 324 | 1870 | 564.5 |
| Thallium | 1.7 U | 0.86 U | 0.52 U | 0.92 U | 0.51 U | 0.59 U | 5.3 | 0.6 U | 0.58 U | 1.6 U | 3.1 |
| Vanadium | 97.4 | 97.4 J | 34.2 J | 49.9 J | 26.3 J | 77.9 | 72.1 | 85.4 | 18.5 | 63 | 35.35 |
| Zinc | 1260 | 537 J | 568 | 1230 J | 724 | 508 | 853 | 8750 | 201 | 970 | 307.5 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | 298000 | 276000 | 171000 | 44300 | 202000 | 95200 |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | 6.28 | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | 248 | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | 163 J | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-04-07 | SD-CB-04-08 | SD-CB-04-09 | SD-CB-04-10 | SD-CB-06-01 | SD-CB-06-02 | SD-CB-06-03 | SD-CB-06-04 | SD-CB-06-05 | SD-CB-06-06 | SD-CB-06-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-04-07 | SD-CB-04-08 | SD-CB-04-09 | SD-CB-04-10 | SD-CB-06-01 | SD-CB-06-02 | SD-CB-06-03 | SD-CB-06-04 | SD-CB-06-05 | SD-CB-06-06 | SD-CB-06-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 9090 | 7420 | 10300 | 6920 | 10700 | 8860 | 5430 | 4130 | 6840 | 8000 | 6520 |
| Antimony | 1.3 | 3.3 | 6.7 | 3.5 | 1.8 U | 1.7 U | 7.8 | 1.9 U | 1.8 U | 2.2 J | 1.8 U |
| Arsenic | 43.7 | 129 | 151 | 141 | 65.5 J | 83.8 J | 257 J | 24.9 J | 167 J | 97.7 J | 45 J |
| Barium | 35.8 | 41.4 | 84.6 | 72.3 | 46.3 | 35 | 50.4 | 8.4 | 59.1 | 59.1 | 59.5 |
| Beryllium | 0.38 J | 0.33 J | 0.77 | 0.55 | 0.66 | 0.41 | 0.33 J | 0.22 U | 0.22 J | 0.23 | 0.2 U |
| Cadmium | 0.41 | 3.2 | 7.2 | 5.8 | 34.6 | 4.9 | 10.6 | 0.88 | 4.4 | 11 | 11.2 |
| Calcium | 3380 | 3030 | 10400 | 8920 | 11400 | 8370 | 15300 | 1260 | 11200 | 8280 | 5910 |
| Chromium | 35.2 | 79.7 | 119 | 107 | 969 | 416 | 214 | 31.8 | 152 | 312 | 259 |
| Cobalt | 6.5 | 5.3 | 7.9 | 7.8 | 9 | 12.7 | 11.3 | 3.3 | 5.2 | 6.9 | 25 |
| Copper | 60.3 | 119 | 201 | 150 | 386 | 209 | 172 | 39.9 | 132 | 238 | 176 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 14200 | 12400 | 8820 | 25100 | 8690 | 11600 | 15600 | 5580 | 16100 | 13400 | 7280 |
| Lead | 123 | 108 | 199 | 117 | 328 | 224 | 149 | 19.9 | 91.4 | 166 | 133 |
| Magnesium | 3680 | 2310 | 2260 | 1740 | 2950 | 2330 | 2110 | 1470 | 2120 | 2230 | 1910 |
| Manganese | 140 | 123 | 72.5 | 177 | 81.4 J | 64.9 J | 56.6 J | 50 J | 133 J | 66.9 J | 74 J |
| Mercury | 0.33 | 0.18 | 0.46 | 0.34 | 0.53 | 0.27 | 0.15 | 0.04 U | 0.05 J | 0.13 | 0.11 |
| Nickel | 12.4 | 11.9 | 21 | 17.7 | 49.4 | 22.2 | 24.4 | 6.2 | 17.7 | 18.1 | 17.5 |
| Potassium | 1160 | 664 | 608 | 496 | 648 | 380 | 527 | 253 | 484 | 609 | 390 |
| Selenium | 0.95 J | 2.7 | 3.5 | 5.1 J | 3 J | 0.77 UJ | 1.7 J | 0.86 UJ | 2 J | 2.6 J | 0.81 UJ |
| Silver | 0.2 U | 0.2 U | 0.23 J | 0.24 J | 0.2 U | 0.19 U | 0.27 J | 0.22 U | 0.2 U | 0.22 J | 0.2 U |
| Sodium | 465 | 435 | 467 | 562 | 839 | 613 | 1130 | 225 | 706 | 643 | 510 |
| Thallium | 0.61 U | 0.6 U | 0.6 U | 0.61 U | 4.8 | 2.7 | 6.1 | 1.5 U | 3.2 | 3.2 | 2.4 |
| Vanadium | 34.5 | 36.6 | 72.1 | 57.6 | 103 | 91.8 | 84.4 | 10.4 | 38.2 | 72 | 50.2 |
| Zinc | 112 | 474 | 1120 | 679 | 1850 J | 1990 J | 2460 J | 301 J | 773 J | 1210 J | 3840 J |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 96500 | 130000 | 180000 | 247000 | 139000 | 127000 | 214000 | 10500 | 177000 | 174000 | 212000 |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-06-08 | SD-CB-06-09 | SD-CB-06-10 | SD-CB-07-01 | SD-CB-07-02 | SD-CB-07-03 | SD-CB-07-04 | SD-CB-07-05 | SD-CB-07-06 | SD-JP-01 | SD-JY-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 220 U |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1045 |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1055 |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-CB-06-08 | SD-CB-06-09 | SD-CB-06-10 | SD-CB-07-01 | SD-CB-07-02 | SD-CB-07-03 | SD-CB-07-04 | SD-CB-07-05 | SD-CB-07-06 | SD-JP-01 | SD-JY-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 10800 | 4540 | 6125 | 9880 | 8400 | 13500 | 6080 | 5240 | 4710 | 15700 | 4680 |
| Antimony | 1.8 U | 1.8 U | 1.8 U | 2.4 U | 1.8 U | 1.7 U | 2 U | 1.8 U | 1.7 UJ | 2.7 J | 6.95 |
| Arsenic | 134 J | 22.4 J | 83.1 J | 210 J | 412 J | 234 J | 96.9 J | 20.2 J | 13.3 J | 135 | 28.65 J |
| Barium | 43.9 | 15 | 26.25 | 88 | 98.4 | 56.8 | 40.7 | 16.8 | 13.4 | 124 | 167 J |
| Beryllium | 0.47 | 0.2 U | 0.2 U | 0.51 J | 0.63 | 1.1 | 0.27 J | 0.2 U | 0.19 U | 0.88 | 0.245 J |
| Cadmium | 4.9 | 1 | 2.35 | 8.6 | 8.4 | 5.6 | 1.5 | 0.48 | 0.25 J | 9.8 | 9.9 |
| Calcium | 3540 | 1780 | 2755 | 7200 | 5660 | 3720 | 3310 | 2420 | 1210 | 5850 J | 10250 |
| Chromium | 178 | 59.1 | 212 | 557 | 256 | 784 | 336 | 136 | 53.1 J | 423 | 287 J |
| Cobalt | 10 | 3.2 | 5.2 | 40.6 | 21.7 | 15.5 | 10.7 | 4 | 2.6 | 20.8 | 6.4 |
| Copper | 188 | 53.1 | 202 | 304 | 312 | 437 | 106 | 58.6 | 56.5 J | 435 | 180.5 J |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3 J | NA |
| Iron | 26800 | 7980 | 13900 | 39800 | 83000 | 31800 | 26500 | 12100 | 8280 | 35300 J | 18900 |
| Lead | 138 | 39.6 | 80.7 | 389 | 327 | 377 | 134 | 58.9 | 26.2 J | 436 | 389.5 |
| Magnesium | 2060 | 1640 | 1750 | 2400 | 2080 | 1870 | 2050 | 2470 | 2070 | 4840 | 1935 |
| Manganese | 107 J | 61.4 J | 92.95 J | 523 J | 990 J | 506 J | 645 J | 102 J | 84.3 | 763 J | 278.5 J |
| Mercury | 0.3 | 0.19 | 0.56 | 0.69 | 0.52 | 1.4 | 0.66 | 0.09 J | 0.1 J | 3.2 | 0.1 UJ |
| Nickel | 14 | 7 | 9.75 | 38.9 | 31.8 | 23.3 | 14.3 | 9.7 | 7.8 | 35.5 J | 60.8 |
| Potassium | 605 | 312 | 333.5 | 573 | 381 | 354 | 310 | 306 | 388 | 1190 | 452 J |
| Selenium | 2 J | 0.81 UJ | 0.975 J | 3.5 J | 6.5 J | 4.1 J | 2.2 J | 0.79 UJ | 0.78 UJ | 1.6 J | 3.75 J |
| Silver | 0.2 U | 0.2 U | 0.2 U | 0.33 J | 0.51 | 0.19 U | 0.23 U | 0.2 U | 0.19 U | 0.44 UJ | 0.385 J |
| Sodium | 457 | 269 | 434.5 | 1340 | 755 | 551 | 460 | 318 | 338 | 460 | 791.5 J |
| Thallium | 4.7 J | 1.8 J | 2.5 | NA | NA | NA | 1.6 U | 1.4 U | 1.4 U | 0.92 J | 1.7 J |
| Vanadium | 43.4 | 14.4 | 22.45 | 66.9 | 60.2 | 102 | 39.8 | 29 | 15.8 | 56.3 | 43.9 |
| Zinc | 1010 J | 250 J | 521 J | 1810 J | 1190 J | 671 J | 327 J | 145 J | 74.6 | 1920 | 1880 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 98600 | 86600 | 89300 | 167000 | NA | NA | NA | NA | NA | NA | 218500 |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.84 | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA | -56 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | 356 J | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-JY-07 | SD-JY-08 | SD-JY-09 | SD-JY-10 | SD-JY-11 | SD-JY-12 | SD-JY-13 | SD-JY-14 | SD-JY-15 | SD-KF-01 | SD-KF-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | 440 U | 200 U | 240 U | 200 U | 190 U | 210 U | 230 U | 300 U | 200 U | NA | NA |
| Aroclor 1254 | 2600 | 1700 | 1100 | 490 | 190 U | 330 | 230 J | 270 J | 1200 | NA | NA |
| Aroclor 1260 | 2400 | 1900 | 1900 | 430 | 190 U | 360 | 260 | 300 J | 1200 | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-JY-07 | SD-JY-08 | SD-JY-09 | SD-JY-10 | SD-JY-11 | SD-JY-12 | SD-JY-13 | SD-JY-14 | SD-JY-15 | SD-KF-01 | SD-KF-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 9230 | 13700 | 10500 | 8870 | 3950 | 17300 | 15200 | 8260 | 4230 | 4180 | 3510 |
| Antimony | 12 3 | 19 5 | 7 5 | 1 8 U | 1 9 U | 1.8 U | 1.8 U | 2.1 U | 3 1 | 1 7 U | 1.7 U |
| Arsenic | 96.4 J | 95.1 J | 84 3 J | 105 | 44.4 | 399 | 482 | 99.3 | 13.7 J | 41.3 | 31.1 |
| Barium | 353 J | 188 J | 129 J | 56.4 | 20 | 121 | 109 | 68.1 | 55 3 | 28.6 | 26.8 |
| Beryllium | 0.55 | 0 88 | 0.64 | 0.32 J | 0.21 UJ | 0.98 J | 0.7 J | 0.23 UJ | 0 19 U | 0.28 | 0.24 |
| Cadmium | 21 | 11 1 | 14 4 | 7 | 1.4 | 14.3 | 13.6 | 15.1 | 3 3 J | 0.36 U | 0.48 U |
| Calcium | 6660 | 10700 | 8510 | 3450 | 1450 | 6600 | 11900 | 8710 | 1800 | 2320 | 1890 |
| Chromium | 1250 J | 1710 J | 746 J | 1330 | 124 | 1240 | 1130 | 499 | 69 6 | 80 5 | 53 |
| Cobalt | 10 9 | 11 4 | 17 8 | 24 5 | 5.9 | 12.5 | 23.1 | 6 3 | 7 1 | 5 8 | 5.4 |
| Copper | 320 J | 741 J | 344 J | 304 J | 122 J | 677 J | 577 J | 320 J | 190 | 63.9 | 42.5 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 58700 | 24300 | 31400 | 17100 J | 8240 J | 29300 J | 55100 J | 10900 J | 30000 | 13300 | 10700 |
| Lead | 1000 | 1210 | 736 | 346 | 47.6 | 486 | 367 | 251 | 400 J | 109 | 72.4 |
| Magnesium | 2380 | 2850 | 3020 | 1770 | 1310 | 3270 | 3520 | 2180 | 2070 | 1820 | 1570 |
| Manganese | 297 J | 332 J | 396 J | 319 | 103 | 268 | 555 | 209 | 171 | 290 | 258 |
| Mercury | 0 39 U | 1.8 | 0 05 U | 0 62 | 0.18 J | 2 3 | 1 6 | 0 78 | 0 1 J | 0 25 J | 0.23 J |
| Nickel | 150 | 82.9 | 56.3 | 20.6 | 8.7 | 35.1 | 35.2 | 25.1 | 42.8 | 6.4 | 5.8 |
| Potassium | 615 J | 535 J | 644 J | 545 | 426 | 689 | 1090 | 663 | 562 | 316 J | 324 J |
| Selenium | 5.1 J | 4.4 J | 4.7 J | 0 8 UJ | 0.84 UJ | 4.1 J | 5.1 J | 1 9 UJ | 1.3 J | 0 6 UJ | 0.58 UJ |
| Silver | 0 73 | 0.67 | 0 9 | 0.2 U | 0.21 U | 1.8 | 1.5 | 0 75 | 0 19 U | 0.46 J | 0 39 U |
| Sodium | 755 J | 818 J | 687 J | 493 J | 459 J | 771 J | 1650 J | 1430 J | 360 J | 244 J | 212 J |
| Thallium | 6 9 J | NA | 3.6 J | 2.5 | 1.5 U | 2 | 2.4 | 1 6 U | 2.1 | 1 7 U | 1 7 U |
| Vanadium | 90.6 | 78.8 | 68.8 | 29.8 | 10.2 | 62.9 | 53.1 | 31.9 | 18.7 | 19 5 | 14.5 |
| Zinc | 2720 | 2850 | 2330 | 1350 | 308 | 2020 | 2750 | 1570 | 417 J | 263 | 224 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 176000 | 192000 | 187000 | 78500 | 15400 | 180000 | 167000 | 207000 | 45300 | 22100 | 14900 |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-KF-03 | SD-KF-04 | SD-KF-05 | SD-KF-06 | SD-KF-07 | SD-KF-08 | SD-KF-09 | SD-KF-10 | SD-LF-01 | SD-LF-02 | SD-LM-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-KF-03 | SD-KF-04 | SD-KF-05 | SD-KF-06 | SD-KF-07 | SD-KF-08 | SD-KF-09 | SD-KF-10 | SD-LF-01 | SD-LF-02 | SD-LM-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 9080 | 5590 | 5530 | 2860 | 2870 | 2550 | 6610 | 5830 | 19100 | 18700 | 14600 |
| Antimony | 1.8 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.8 U | 1.8 U | R | R | R |
| Arsenic | 90.4 | 53.5 | 46.7 | 16.6 | 13.2 | 11.7 | 49.6 | 34.3 | 100 | 81.9 | 60.1 |
| Barium | 54.7 | 44.7 | 42.5 | 19.4 | 17 | 15.9 | 41.4 | 40 | 141 | 149 | 173 |
| Beryllium | 0.6 | 0.35 | 0.39 | 0.16 U | 0.18 U | 0.11 U | 0.51 | 0.33 | 1.1 J | 0.95 | 0.71 |
| Cadmium | 1.1 | 0.91 | 1.1 | 0.22 UJ | 0.33 U | 0.12 U | 0.81 | 0.89 | 10.5 | 7.6 | 5.7 |
| Calcium | 3550 | 2720 | 2680 | 1200 | 1410 | 1390 | 2750 | 2410 | 6400 | 6210 | 6870 |
| Chromium | 113 | 106 | 95.4 | 21.2 | 27 | 20.8 | 69.6 | 87.6 | 424 | 258 | 170 |
| Cobalt | 10 | 8.7 | 8.6 | 3.8 | 4.4 | 3.1 | 7.5 | 7.6 | 24.8 | 19.5 | 19.6 |
| Copper | 185 | 89.9 | 80 | 27.1 | 25 | 21.9 | 157 | 85 | 471 | 381 | 249 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | 2.6 J | 2.6 J | 1.6 J |
| Iron | 18700 | 14900 | 14700 | 7170 | 7240 | 6580 | 12300 | 13300 | 37900 | 37800 | 64900 |
| Lead | 157 | 129 | 171 | 36.9 | 31.6 | 43.4 | 83.4 | 134 | 861 | 594 | 478 |
| Magnesium | 2520 | 2090 | 2360 | 1380 | 1390 | 1230 | 1920 | 2230 | 5840 | 5910 | 12900 |
| Manganese | 503 | 409 | 356 | 205 | 214 | 83.5 | 368 | 255 | 445 | 539 | 534 |
| Mercury | 1.6 J | 0.78 J | 0.82 J | 0.1 J | 0.16 J | 0.12 J | 0.47 J | 0.68 | 1.3 J | 1.1 J | R |
| Nickel | 10.1 | 8.4 | 10.5 | 3.2 U | 2.5 U | 5.3 U | 7.6 | 12.6 | 43.4 | 36.8 | 31.2 |
| Potassium | 510 J | 397 J | 345 J | 281 J | 274 J | 246 | 275 J | 409 | 1610 J | 1590 | 4390 |
| Selenium | 0.61 UJ | 0.6 UJ | 0.6 UJ | 0.59 UJ | 0.6 UJ | 0.59 UJ | 0.61 J | 0.61 UJ | 4.5 J | 2.8 J | 1.8 J |
| Silver | 0.64 J | 0.48 J | 0.63 J | 0.39 U | 0.4 U | 0.39 U | 0.4 U | 0.44 J | 1.9 UJ | 0.5 J | 0.46 UJ |
| Sodium | 286 J | 268 J | 259 J | 161 J | 150 U | 147 U | 230 J | 154 U | R | R | R |
| Thallium | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U | 1.7 U | 1.8 U | 1.8 U | 0.98 J | 0.64 J | 0.31 J |
| Vanadium | 29.6 | 23.8 | 27.4 | 10.6 | 10.7 | 9.1 | 19.1 | 23.6 | 81.2 | 69.6 | 60.1 |
| Zinc | 461 | 397 | 424 | 152 | 146 | 115 J | 359 | 324 J | 2280 | 1650 | 1320 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 40000 | 21300 | 46650 | 3900 J | 6400 J | 2600 J | 19900 | 34200 | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.44 | 7.04 |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA | -44 | -31 |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1710 J | 1600 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LM-02 | SD-LM-03 | SD-LP-01 | SD-LP-02 | SD-LP-03 | SD-LP-04 | SD-LP-05 | SD-LP-06 | SD-LP-07 | SD-LP-08 | SD-LP-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LM-02 | SD-LM-03 | SD-LP-01 | SD-LP-02 | SD-LP-03 | SD-LP-04 | SD-LP-05 | SD-LP-06 | SD-LP-07 | SD-LP-08 | SD-LP-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | | |
| Aluminum | 25000 | 16900 | 5400 | 5200 | 9140 | 20400 | 7120 | 11000 | 4280 | 5630 | 4840 |
| Antimony | R | R | 2.6 UJ | 1.8 UJ | 1.9 UJ | 5.1 J | 1.9 UJ | 1.9 UJ | 1.8 UJ | 1.8 UJ | 1.7 UJ |
| Arsenic | 144 | 80.4 | 20.7 J | 48.1 J | 30 J | 485 J | 60.1 J | 25.95 J | 23.6 J | 81.8 J | 74.9 J |
| Barium | 368 | 206 | 26 | 31.6 | 45.5 | 37.6 | 31.7 | 51.5 | 14.4 | 18.8 | 21.9 |
| Beryllium | 1.4 | 0.95 | 0.29 U | 0.27 J | 0.57 | 0.92 | 0.37 J | 0.69 | 0.2 U | 0.38 J | 0.26 J |
| Cadmium | 12.6 | 11.2 | 1.3 J | 1.1 J | 3.3 J | 5.6 J | 2.5 J | 3.8 J | 1.4 J | 3.5 J | 1.2 J |
| Calcium | 9180 | 6030 | 1630 | 2130 | 4220 | 3600 | 2160 | 3745 | 1250 | 2190 | 1210 |
| Chromium | 428 | 322 | 36.2 J | 54.8 J | 22.6 J | 124 J | 112 J | 25.9 J | 23.2 J | 54.1 J | 69.2 J |
| Cobalt | 37.5 | 28.8 | 6.4 | 6.3 | 15.4 | 8.2 | 8.2 | 10.55 | 3.6 | 6.2 | 4.8 |
| Copper | 578 | 496 | 66.6 J | 64.1 J | 36.3 J | 1560 J | 192 J | 70.35 J | 65.7 J | 235 J | 142 J |
| Cyanide | 0.29 UJ | 0.31 UJ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 75300 | 61800 | 10900 | 9710 | 10100 | 13600 | 12800 | 11500 | 7590 | 7630 | 9940 |
| Lead | 850 | 929 | 49.3 J | 52.7 J | 19.6 J | 400 J | 81.6 J | 40.35 J | 27.5 J | 73 J | 104 J |
| Magnesium | 9910 | 9220 | 2470 | 1700 | 1990 | 2450 | 1640 | 2290 | 1640 | 1170 | 1250 |
| Manganese | 1550 | 822 | 131 | 185 | 333 | 256 | 195 | 244 | 87.8 | 104 | 271 |
| Mercury | R | R | 0.17 J | 0.42 | 0.23 J | 1.4 | 1 | 0.225 J | 0.19 J | 0.86 | 0.83 |
| Nickel | 58.3 | 37.1 | 9.7 | 7.7 | 16.7 | 30.6 | 9.8 | 10.95 | 5.9 | 7.2 | 6.9 |
| Potassium | 3040 | 2580 | 494 | 267 | 335 | 425 | 334 | 246.5 | 327 | 199 | 324 |
| Selenium | 2.3 J | 2.7 J | 1.2 UJ | 0.97 J | 0.83 U | 3.1 | 0.83 U | 0.84 U | 0.8 U | 0.78 U | 1 J |
| Silver | 0.5 J | 0.81 J | 0.29 U | 0.2 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.2 U | 0.2 U | 0.19 U |
| Sodium | R | R | 506 | 505 | 662 | 461 | 408 | 688.5 | 374 | 372 | 285 |
| Thallium | 0.67 J | 0.7 J | 2 U | 1.8 J | 2.4 J | 2.9 J | 2.5 J | 1.325 J | 1.6 J | 1.8 J | 1.8 J |
| Vanadium | 124 | 83.8 | 14.6 | 13 | 21.9 | 33.7 | 14.2 | 19.05 | 10.5 | 10.1 | 11.1 |
| Zinc | 3230 | 2810 | 306 | 315 | 2800 | 800 | 656 | 2415 | 236 | 1210 | 248 |
| AVS-SEM (mg/Kg) | | | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | 4800 J | 18200 | 68200 | 53200 | 43400 | 49500 | 15100 | 29800 | 21700 |
| Wet Parameters (mg/kg) | | | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LP-10 | SD-LP-11 | SD-LP-12 | SD-LP-13 | SD-LP-14 | SD-LP-15 | SD-MP-01 | SD-MP-02 |
|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan sulfate | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin aldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin ketone | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-LP-10 | SD-LP-11 | SD-LP-12 | SD-LP-13 | SD-LP-14 | SD-LP-15 | SD-MP-01 | SD-MP-02 |
|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 6610 | 9930 | 4620 | 2300 | 2270 | 4600 | 9140 | 10600 |
| Antimony | 1.8 UJ | 2.2 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U | 1.1 J | 1.5 J |
| Arsenic | 73.4 J | 62 | 13.95 | 5.4 | 5.9 | 18.4 | 54.8 | 53.4 |
| Barium | 29.4 | 68.9 | 22 | 11.2 | 16.7 | 23.6 | 67.8 | 76.2 |
| Beryllium | 0.36 J | 0.59 | 0.26 | 0.14 | 0.15 | 0.26 | 0.47 | 0.54 |
| Cadmium | 2.4 J | 1.9 | 0.14 J | 0.12 U | 0.12 U | 0.25 J | 4.4 | 5.1 |
| Calcium | 1980 | 3900 | 1340 | 704 | 841 | 1690 | 3720 J | 4480 J |
| Chromium | 45.2 J | 134 | 30.85 | 9.7 | 8.2 | 37 | 156 | 142 |
| Cobalt | 7.6 | 9.2 | 4.55 | 2.8 | 2.4 | 3.7 | 12.4 | 12.8 |
| Copper | 150 J | 149 | 29.05 | 9.6 | 6.6 | 32.4 | 178 | 186 |
| Cyanide | NA | NA | NA | NA | NA | NA | 0.46 J | 3.3 J |
| Iron | 12300 | 23800 | 9210 | 4420 | 5420 | 8040 | 20100 J | 20200 J |
| Lead | 122 J | 196 | 35.45 | 6.8 | 6.4 | 27.5 | 249 | 318 |
| Magnesium | 1650 | 3520 | 2345 | 1360 | 1160 | 2010 | 3310 | 3890 |
| Manganese | 205 | 182 | 107.5 | 47.5 | 112 | 117 | 308 J | 290 J |
| Mercury | 0.41 | 0.7 | 0.16 J | 0.1 UJ | 0.09 UJ | 0.23 J | 0.89 | 0.83 |
| Nickel | 8.5 | 15.2 | 9.1 | 3.5 | 0.59 J | 3.3 | 21.6 J | 24.2 J |
| Potassium | 401 | 868 J | 608.5 J | 471 J | 545 J | 366 J | 808 | 1170 |
| Selenium | 0.92 J | 2.9 UJ | 0.88 UJ | 0.59 UJ | 0.9 UJ | 1.5 UJ | 0.84 U | 1 J |
| Silver | 0.2 U | 0.76 J | 0.41 U | 0.39 U | 0.39 U | 0.42 U | 0.39 UJ | 0.4 UJ |
| Sodium | 443 | 463 | 296.5 J | 322 | 292 J | 374 | 279 J | 369 J |
| Thallium | 2 J | 2.2 U | 1.8 U | 1.7 U | 1.7 U | 1.9 U | 0.54 J | 0.4 J |
| Vanadium | 14 | 39.8 | 16.45 | 6.5 | 7.2 | 14.6 | 32.2 | 38.6 |
| Zinc | 632 | 625 | 98.1 | 15.2 | 22.6 | 113 | 930 | 945 |
| AVS-SEM (mg/Kg) | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 35400 | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | 6.6 | 6.54 |
| Redox Potential | NA | NA | NA | NA | NA | NA | -54 | -41 |
| Sulfide | NA | NA | NA | NA | NA | NA | 553 J | 899 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-NR-01 | SD-NR-02 | SD-NR-03 | SD-NR-04 | SD-NR-05 | SD-TT-22-01 | SD-TT-22-02 | SD-TT-22-03 | SD-TT-27-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-NR-01 | SD-NR-02 | SD-NR-03 | SD-NR-04 | SD-NR-05 | SD-TT-22-01 | SD-TT-22-02 | SD-TT-22-03 | SD-TT-27-01 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8110 | 9220 | 4980 | 6070 | 4880 | 2560 | 3110 | 13200 | 15800 |
| Antimony | 1.7 U | 2.2 U | 1.7 U | 1.8 U | 1.8 U | 329 J | 42 J | 0.94 J | 0.56 UJ |
| Arsenic | 215 | 221 | 106 | 131 | 156 | 87.3 J | 5.2 J | 13.9 J | 129 |
| Barium | 65.5 | 46.7 | 25.4 | 32.2 | 36.1 | 49.1 | 20.3 | 49.7 | 96.5 |
| Beryllium | 0.53 | 0.94 | 0.35 | 0.39 | 0.3 | 0.24 | 0.2 | 0.7 | 0.97 |
| Cadmium | 2.7 | 0.49 U | 0.95 | 1.5 | 1.3 | 1.5 J | 1.7 J | 1.5 J | 6.8 J |
| Calcium | 3610 | 4060 | 1610 | 2500 | 2090 | 17500 | 4480 | 7570 | 5230 |
| Chromium | 255 | 258 | 156 | 158 | 104 | 7.1 J | 85.3 J | 27.1 J | 300 |
| Cobalt | 9.3 | 6.3 | 5.8 | 5.6 | 5.2 | 2.4 | 1.3 | 7 | 13.7 J |
| Copper | 251 | 365 | 140 | 155 | 99.3 | 29.6 J | 9.6 J | 37.5 J | 365 J |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 25600 | 21000 | 11500 | 20200 | 18800 | 2970 | 2630 | 11900 | 31600 |
| Lead | 203 | 249 | 129 | 145 | 80.8 | 41000 J | 2840 J | 481 J | 734 J |
| Magnesium | 2570 | 2630 | 1500 | 2000 | 1770 | 1270 | 735 | 4460 | 4640 |
| Manganese | 317 | 152 | 95.4 | 133 | 122 | 39.8 J | 34.8 J | 194 J | 493 J |
| Mercury | 2.5 | 2.4 | 5.9 | 1.6 | 0.77 | 0.14 J | 0.05 J | 0.15 | 1.3 |
| Nickel | 16.1 | 12.3 | 8.7 | 9 | 7.8 | 4.8 | 3.9 | 18 | 27.5 J |
| Potassium | 421 | 404 | 297 | 395 | 452 | 200 | 134 J | 1360 | 898 |
| Selenium | 2.4 J | 2.3 J | 1.4 J | 1.8 J | 0.86 J | 2 U | 1 U | 2.3 J | 3.4 J |
| Silver | 2.3 | 2.4 | 0.96 | 0.97 | 0.93 | 3.3 J | R | R | R |
| Sodium | 182 J | 190 U | 298 J | 342 | 294 J | 700 J | 827 J | 992 J | 1830 J |
| Thallium | 1.7 U | 2.2 U | 1.8 U | 1.8 U | 1.8 U | 1.2 U | 0.61 U | 0.6 U | 0.57 U |
| Vanadium | 29.9 | 32.6 | 17.1 | 22.1 | 16.4 | 32.4 | 8.5 | 50.1 | 70.9 J |
| Zinc | 595 J | 235 J | 226 J | 316 J | 341 J | 66.2 J | 106 J | 122 J | 850 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 48900 | 59400 | 15900 | 24300 | 18800 | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | 5.95 | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | 324 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | 52.3 J | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-27-02 | SD-TT-27-03 | SD-TT-27-04 | SD-TT-28-01 | SD-TT-28-02 | SD-TT-28-03 | SD-TT-29-01 | SD-TT-29-02 | SD-TT-29-03 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoro | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-27-02 | SD-TT-27-03 | SD-TT-27-04 | SD-TT-28-01 | SD-TT-28-02 | SD-TT-28-03 | SD-TT-29-01 | SD-TT-29-02 | SD-TT-29-03 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7855 | 7080 | 7660 | 11400 | 16700 | 21600 | 13500 J | 17300 J | 17900 J |
| Antimony | 0.42 UJ | 0.77 UJ | 0.87 J | 11.9 J | 18.9 J | 26.3 J | 1.1 J | 1.1 UJ | 10.1 J |
| Arsenic | 34.45 | 142 | 12.3 J | 811 J | 459 J | 987 J | 629 J | 561 J | 1050 J |
| Barium | 387.5 | 296 | 46.9 | 81.8 | 97.9 | 104 | 73.25 J | 79.3 J | 60.3 J |
| Beryllium | 0.455 | 0.53 | 0.4 | 0.87 | 1 | 1.5 | 0.975 | 0.88 | 1.1 |
| Cadmium | 2.35 | 2 | 3.7 J | 12.7 J | 14.2 J | 17.1 J | 11.15 J | 13.6 J | 15.2 J |
| Calcium | 2460 | 3730 | 1920 | 5900 | 7520 | 6910 | 5855 | 7610 | 7640 |
| Chromium | 179 | 74.2 | 30.9 J | 1390 J | 4240 J | 2820 J | 2420 J | 5500 J | 1460 J |
| Cobalt | 4.8 | 6 | 6.7 | 32.5 J | 23.8 J | 32.2 J | 36.4 J | 35.7 J | 31.8 J |
| Copper | 97.9 J | 110 J | 54.3 J | 592 J | 964 J | 1330 J | 704 J | 893 J | 1340 J |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 15000 | 18000 | 13900 | 61300 | 50600 | 88300 | 60400 | 45200 | 115000 |
| Lead | 202.5 J | 135 J | 122 J | 338 J | 269 J | 657 J | 316 J | 649 J | 538 J |
| Magnesium | 2275 | 2170 | 2880 | 1780 | 1870 | 2100 | 1905 | 3440 | 1970 |
| Manganese | 110.9 J | 135 J | 153 J | 789 J | 599 J | 663 J | 700 J | 470 J | 1190 J |
| Mercury | 0.1415 J | 0.14 J | 0.15 | 4.2 | 5 | 3 | 6.9 J | 5.6 J | 13.3 J |
| Nickel | 12.5 | 14 | 14.8 | 23.4 | 27.5 | 29.7 J | 29.85 | 34.8 | 26.3 |
| Potassium | 400.5 | 379 | 784 | 576 | 619 | 625 | 434.5 J | 804 J | 473 J |
| Selenium | 2.05 J | 2 J | 1.9 J | 7.5 J | 8 J | 10.2 J | 8.15 J | 6.3 J | 8.6 J |
| Silver | 0.15 U | 0.16 U | R | 4 J | 3.1 J | 5.3 J | 1.15 | 1.6 | 1.3 |
| Sodium | 629.5 J | 683 J | 1370 J | 4950 J | 5130 J | 5460 J | 3210 | 3370 | 4530 |
| Thallium | 0.63 U | 0.7 U | 0.6 U | 0.71 U | 0.8 U | 0.7 U | 7.6 J | 5 J | 14.3 J |
| Vanadium | 50.8 | 44 | 36 | 44 | 60.5 | 69.6 J | 45.9 J | 96.9 J | 57.1 J |
| Zinc | 411.5 J | 439 | 558 J | 2230 J | 2160 J | 3160 J | 2525 | 2250 | 3770 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | 6.15 | NA | NA | NA | NA | NA | 6.92 | NA | NA |
| Redox Potential | 231 | NA | NA | NA | NA | NA | 78.7 | NA | NA |
| Sulfide | 50.4 J | NA | NA | NA | NA | NA | 1100 | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-29-03-TB | SD-TT-30-01 | SD-TT-30-01-TB | SD-TT-30-02 | SD-TT-30-03 | SD-TT-31-01 | SD-TT-31-02 | SD-TT-31-03 | SD-TT-32-01 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 69 UJ | NA | 110 J | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | R | NA | R | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | R | NA | R | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | R | NA | R | NA | NA | NA | NA | NA | NA |
| Acetone | 1100 J | NA | 7300 J | NA | NA | NA | NA | NA | NA |
| Benzene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | R | NA | R | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | R | NA | 530 J | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 57 U | NA | 47 UJ | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Toluene | R | NA | 22 J | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Trichloroethene | R | NA | R | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | R | NA | R | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | R | NA | R | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | 33 J | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | 47 J | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | 40 J | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | 71 J | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | 55 J | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | R | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | R | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | R | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | R | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | R | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | R | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | R | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | R | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | R | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | R | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-29-03-TR | SD-TT-30-01 | SD-TT-30-01-TR | SD-TT-30-02 | SD-TT-30-03 | SD-TT-31-01 | SD-TT-31-02 | SD-TT-31-03 | SD-TT-32-01 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | NA | 16100 J | 17900 | 5780 J | 17400 J | 9550 J | 9130 J | 14100 J | 5080 |
| Antimony | NA | 0.9 J | 23.6 J | 1.3 J | 0.53 UJ | 0.57 UJ | 0.44 UJ | 0.61 UJ | 0.71 UJ |
| Arsenic | NA | 612 J | 541 | 113 J | 1080 J | 8.5 J | 11 J | 30.3 J | 94.2 |
| Barium | NA | 124 J | 85 | 36.3 J | 32.7 J | 62.8 J | 51.6 J | 159 J | 35.1 |
| Beryllium | NA | 1.1 | 1.3 J | 0.4 | 0.91 | 0.47 | 0.46 | 0.7 | 0.29 |
| Cadmium | NA | 9.8 J | 5.2 | 4 J | 7.1 J | 4.7 J | 2.3 J | 5.5 J | 3.2 J |
| Calcium | NA | 8710 | 5960 | 1650 | 3810 | 6540 | 4040 | 7730 | 2090 |
| Chromium | NA | 1250 J | 2290 | 623 J | 5310 J | 138 J | 123 J | 295 J | 430 |
| Cobalt | NA | 30.4 J | 22.9 J | 13.9 J | 9.8 | 8.7 J | 8.8 J | 19.2 J | 8.9 J |
| Copper | NA | 674 J | 835 | 253 J | 3760 J | 102 J | 56.7 J | 181 J | 183 J |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | NA | 71600 | 51500 | 17900 | 12300 | 15600 | 15700 | 40700 | 14800 |
| Lead | NA | 420 J | 664 | 248 J | 425 J | 332 J | 190 J | 309 J | 152 J |
| Magnesium | NA | 3900 | 3280 | 1310 | 1370 | 3630 | 3300 | 5280 | 1490 |
| Manganese | NA | 1910 J | 980 | 205 J | 206 J | 213 J | 361 J | 1210 J | 524 |
| Mercury | NA | 4.6 J | 1.7 J | 4.2 J | 89.2 J | 1.8 J | 0.94 J | 1.5 J | 2.3 |
| Nickel | NA | 35.1 | 26.9 | 12.4 | 8 | 22.4 | 19.7 | 35.6 | 10.1 J |
| Potassium | NA | 633 J | 784 J | 204 J | 171 | 577 J | 581 J | 1020 J | 264 UJ |
| Selenium | NA | 9.3 J | 1 U | 2.7 J | 3.8 J | 2.1 J | 1.8 J | 4.1 J | 2.2 J |
| Silver | NA | 2.2 | 1 U | 0.41 U | 0.36 U | 0.38 U | 0.3 U | 0.6 J | 0.12 U |
| Sodium | NA | 2820 | 468 | 929 | 1660 | 1730 | 912 | 2020 | 981 J |
| Thallium | NA | 9.7 J | 1.1 U | 2.5 J | 1.5 | R | R | R | 0.5 U |
| Vanadium | NA | 59.8 J | 66.2 | 24 J | 21 | 43.3 J | 38.1 J | 56.5 J | 21.7 J |
| Zinc | NA | 1560 | 1370 J | 644 | 1170 | 433 | 280 | 678 | 518 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | 3.3936 | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | 434.3654 | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | 365.19 | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | 1.18354 J | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | 13.082001 | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | 260.6 | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | 2.5359 U | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | 766.84116 J | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | 240000 | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | 6.32 | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | 195 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | 84.9 | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-32-02 | SD-TT-32-02-TR | SD-TT-32-03 | SD-TT-33-01 | SD-TT-33-02 | SD-TT-33-02-TR | SD-TT-33-03 | SD-UF-01 | SD-UF-02 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | 69 UJ | NA | NA | NA | 28 UJ | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluorc | NA | R | NA | NA | NA | R | NA | NA | NA |
| 1,1-Dichloroethane | NA | R | NA | NA | NA | R | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | R | NA | NA | NA | R | NA | NA | NA |
| Acetone | NA | 260 J | NA | NA | NA | 200 J | NA | NA | NA |
| Benzene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Carbon Disulfide | NA | R | NA | NA | NA | R | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Ethylbenzene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Methyl Acetate | NA | R | NA | NA | NA | R | NA | NA | NA |
| Methylene Chloride | NA | 47 U | NA | NA | NA | 23 U | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Toluene | NA | R | NA | NA | NA | R | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Trichloroethene | NA | R | NA | NA | NA | R | NA | NA | NA |
| Vinyl Chloride | NA | R | NA | NA | NA | R | NA | NA | NA |
| Xylene, m/p- | NA | R | NA | NA | NA | R | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Acenaphthene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Acenaphthylene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Anthracene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Benzo(a)anthracene | NA | 400 | NA | NA | NA | 110 J | NA | NA | NA |
| Benzo(a)pyrene | NA | 470 J | NA | NA | NA | 140 J | NA | NA | NA |
| Benzo(b)fluoranthene | NA | 810 | NA | NA | NA | 260 | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | 230 J | NA | NA | NA | 60 J | NA | NA | NA |
| Benzo(k)fluoranthene | NA | 180 J | NA | NA | NA | 99 J | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | 370 | NA | NA | NA | 81 J | NA | NA | NA |
| Butylbenzylphthalate | NA | 130 J | NA | NA | NA | 130 U | NA | NA | NA |
| Carbazole | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Chrysene | NA | 460 | NA | NA | NA | 160 | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Dibenzofuran | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Diethylphthalate | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Di-n-octylphthalate | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Fluoranthene | NA | 1000 | NA | NA | NA | 290 | NA | NA | NA |
| Fluorene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | 210 J | NA | NA | NA | 60 J | NA | NA | NA |
| Naphthalene | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | 240 U | NA | NA | NA | 130 U | NA | NA | NA |
| Phenanthrene | NA | 450 | NA | NA | NA | 130 J | NA | NA | NA |
| Pyrene | NA | 860 | NA | NA | NA | 270 | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | 0.94 UJ | NA | NA | NA | 1.2 | NA | NA | NA |
| 4,4'-DDE | NA | 0.78 J | NA | NA | NA | 1.7 | NA | NA | NA |
| 4,4'-DDT | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Aldrin | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| alpha-BHC | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| alpha-Chlordane | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Aroclor 1248 | NA | 9.4 UJ | NA | NA | NA | 11 U | NA | NA | NA |
| Aroclor 1254 | NA | 9.4 UJ | NA | NA | NA | 11 U | NA | NA | NA |
| Aroclor 1260 | NA | 9.4 UJ | NA | NA | NA | 11 U | NA | NA | NA |
| beta-BHC | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| delta-BHC | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Dieldrin | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Endosulfan I | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Endosulfan II | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Endosulfan Sulfate | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Endrin | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Endrin Aldehyde | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| Endrin Ketone | NA | 0.94 UJ | NA | NA | NA | 1.1 U | NA | NA | NA |
| gamma-BHC (Lindane) | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| gamma-Chlordane | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Heptachlor | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Heptachlor Epoxide | NA | 0.47 UJ | NA | NA | NA | 0.53 U | NA | NA | NA |
| Methoxychlor | NA | 4.7 UJ | NA | NA | NA | 5.3 U | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-TT-32-02 | SD-TT-32-02-TR | SD-TT-32-03 | SD-TT-33-01 | SD-TT-33-02 | SD-TT-33-02-TR | SD-TT-33-03 | SD-UF-01 | SD-UF-02 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5590 | 11500 | 9730 | 11700 | 8670 | 6640 | 11400 | 21700 | 24800 |
| Antimony | 2.3 UJ | 9.1 J | 1.5 UJ | 3.5 J | 9.1 J | 6 J | 4.3 J | R | R |
| Arsenic | 198 | 313 | 403 | 275 J | 180 J | 221 | 288 J | 127 | 171 |
| Barium | 47 | 87.2 | 112 | 72.1 | 41.2 | 56.8 | 78.4 | 164 | 147 |
| Beryllium | 0.41 | 0.82 J | 0.62 | 0.67 | 0.39 | 0.48 J | 0.72 | 1.2 | 1.5 |
| Cadmium | 6.5 J | 5.7 | 4.7 J | 7.4 J | 5.6 J | 2.8 | 6.4 J | 12.8 | 17.5 |
| Calcium | 3860 | 4880 | 4960 | 5130 | 2390 | 2370 | 3690 | 8600 | 7650 |
| Chromium | 368 | 699 | 621 | 592 J | 2200 J | 420 | 735 J | 545 | 954 |
| Cobalt | 25.9 J | 26.4 J | 27 J | 20.7 | 18.8 | 14.1 J | 27.4 | 28.3 | 31.7 |
| Copper | 278 J | 403 | 351 J | 489 J | 444 J | 270 | 426 J | 553 | 699 |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | 1 | 4.4 |
| Iron | 20400 | 33300 | 57200 | 32700 | 16800 | 34600 | 37800 | 44300 J | 45700 J |
| Lead | 172 J | 288 | 251 J | 210 | 155 J | 141 | 285 J | 860 | 1230 |
| Magnesium | 1600 | 2890 | 2420 | 2510 | 1330 | 1380 | 2560 | 6300 | 6550 |
| Manganese | 133 | 372 | 2040 | 752 J | 154 J | 776 | 693 J | 878 | 478 |
| Mercury | 3.8 | 0.44 | 4.3 | 3.7 | 2.1 J | 1.2 | 5.6 J | 2 J | 1.8 J |
| Nickel | 21.6 J | 21.3 | 19.3 J | 16.6 J | 11.6 | 9.2 | 22 | 47.5 | 53.8 |
| Potassium | 310 UJ | 646 J | 498 UJ | 507 | 243 | 315 J | 455 | 1590 | 1700 |
| Selenium | 2.6 J | 1 U | 5.4 | 4.2 J | 2.7 J | 0.99 U | 4.6 J | 2.2 | 2.7 |
| Silver | 0.18 U | 1 U | R | 2 J | 1.1 J | 0.99 U | 2.3 J | 1.2 J | 1.4 J |
| Sodium | 2450 J | 400 U | 1890 J | 2790 J | 2010 J | 97.3 U | 2440 J | 636 J | 855 J |
| Thallium | 0.75 U | 1.1 UJ | 0.52 U | 0.8 U | 0.31 U | 1.1 UJ | 0.92 U | 0.86 | 1.1 |
| Vanadium | 29.1 J | 38.1 J | 37 J | 31.7 | 26.8 | 19.3 | 42.2 | 85.6 J | 110 J |
| Zinc | 1960 | 1250 J | 1050 | 1040 J | 1090 J | 581 J | 1050 J | 2600 | 3270 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | 3.5616 | NA | NA | NA | 2.2064 | NA | NA | NA |
| Copper | NA | 202.06335 | NA | NA | NA | 177.7492 | NA | NA | NA |
| Lead | NA | 160.82864 | NA | NA | NA | 104.03512 | NA | NA | NA |
| Mercury | NA | 0.82246 J | NA | NA | NA | 1.14342 J | NA | NA | NA |
| Nickel | NA | 11.550192 | NA | NA | NA | 6.062677 | NA | NA | NA |
| SEM/AVS Ratio | NA | 5.2 | NA | NA | NA | 4.64 | NA | NA | NA |
| Sulfide | NA | 89.559 | NA | NA | NA | 62.595 | NA | NA | NA |
| Zinc | NA | 725.79612 | NA | NA | NA | 400.55538 | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | 150000 J | NA | NA | NA | 86000 J | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | 6.35 | NA | NA | NA | 6.7 | NA | NA | NA | NA |
| Redox Potential | 146 | NA | NA | NA | 119 | NA | NA | NA | NA |
| Sulfide | 297 J | NA | NA | NA | 37.7 J | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-UF-02-TR | SD-UF-03 | SD-UM-01 | SD-UM-02 | SD-UM-03 | SD-WG-01 | SD-WG-02 | SD-WG-03 | SD-WG-04 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | 79.5 J | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | 37.5 J | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | R | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 565 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | R | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | 150 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 73 UJ | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | R | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | R | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | 290 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | 510 UJ | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | 270 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | 510 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | 270 J | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | 3.05 J | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | 42 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | 42 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | 42 U | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | 4.2 U | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | 2.1 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | 21 U | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-UF-02-TR | SD-UF-03 | SD-UM-01 | SD-UM-02 | SD-UM-03 | SD-WG-01 | SD-WG-02 | SD-WG-03 | SD-WG-04 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 23350 | 22700 | 14300 | 23000 | 19400 | 13200 | 12400 | 20300 | 11500 |
| Antimony | 8.15 | R | R | R | R | 6.6 UJ | 7 J | 13 J | 6.8 J |
| Arsenic | 177.5 | 121 | 224.5 | 323 | 171 | 42.1 J | 63.4 J | 282 J | 41.4 J |
| Barium | 174 | 198 | 205.5 | 366 | 181 | 177 | 75.7 | 150 | 108 |
| Beryllium | 1.6 J | 1.2 | 0.895 | 1.4 | 1.2 | 1.2 | 1.2 | 1.7 | 1.1 |
| Cadmium | 19.15 | 10.6 | 7.65 | 11.7 | 12 | 6.7 | 5.4 | 7.6 | 9.6 |
| Calcium | 8300 | 8310 | 3755 | 6580 | 5920 | 12000 | 14800 | 13000 | 13100 |
| Chromium | 805.5 | 389 | 302 | 356 | 307 | 687 | 455 | 1850 | 463 |
| Cobalt | 32.15 J | 26 | 44.85 | 72.2 | 30.6 | 41.1 | 20.5 | 31.6 | 21.2 |
| Copper | 681.5 | 493 | 362.5 | 565 | 501 | 551 | 822 | 1170 | 630 |
| Cyanide | NA | 1.8 | 0.565 J | 1 J | 1.6 J | 0.31 UJ | 1.2 J | 1.6 J | 0.31 UJ |
| Iron | 47100 | 46900 J | 71150 | 106000 | 49200 | 11100 | 12400 | 41000 | 16600 |
| Lead | 1070 | 607 | 973.5 | 1290 | 802 | 470 | 436 | 648 | 421 |
| Magnesium | 6045 | 7350 | 3735 | 6040 | 5310 | 2010 | 1470 | 2010 | 1460 |
| Manganese | 568.5 | 923 | 1665 | 3060 | 1020 | 1910 | 1580 | 1160 | 971 |
| Mercury | 0.3 J | 1.7 J | R | R | 0.89 J | 0.97 J | 1.4 J | 3 J | 0.92 J |
| Nickel | 46.95 | 46.4 | 40.25 | 64.3 | 46.7 | 37.5 | 29.7 | 44.7 | 30.3 |
| Potassium | 1975 J | 1930 | 1042.5 | 1740 | 1510 | 483 | 377 J | 623 | 351 J |
| Selenium | 0.99 U | 2.3 | 2.2 J | 2.8 J | 4 J | 3.1 | 8.6 | 6.3 J | 4.1 |
| Silver | 0.99 U | 0.42 J | 1.015 J | 1.3 J | 1.1 J | 0.47 UJ | 0.43 UJ | 0.41 UJ | 0.47 UJ |
| Sodium | 1165 | 663 J | R | R | R | 478 J | 603 J | 627 J | 538 J |
| Thallium | 1.1 U | 0.68 J | 0.49 J | 0.59 J | 0.78 J | 0.7 J | 0.37 J | 0.61 J | 0.61 J |
| Vanadium | 95.3 | 78.6 J | 118.5 | 180 | 114 | 45.7 | 29.1 | 75.1 | 35.6 |
| Zinc | 3035 J | 2060 | 1995 | 3090 | 2760 | 702 | 925 | 1650 | 1550 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | 11.4576 | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | 316.055375 | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 657.1866 | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | 0.06018 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | 19.5877875 | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | 2.45 | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | 504.291 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | 1780.4234 J | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | 360000 | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | 6.25 | 6.575 | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | -42 | -64.5 | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | 975 J | 2670 J | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WG-05 | SD-WG-06 | SD-WG-07 | SD-WG-08 | SD-WG-09 | SD-WG-10 | SD-WG-11 | SD-WG-12 | SD-WG-13 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WG-05 | SD-WG-06 | SD-WG-07 | SD-WG-08 | SD-WG-09 | SD-WG-10 | SD-WG-11 | SD-WG-12 | SD-WG-13 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5110 | 15000 | 25300 | 14300 | 17050 | 19000 | 8310 | 12000 | 25700 |
| Antimony | 2.5 UJ | 10 J | 24.5 J | 8.5 J | 9.5 J | 11.4 J | 2.4 UJ | 6.2 UJ | 4.3 UJ |
| Arsenic | 57.9 J | 311 J | 1450 J | 88.3 J | 118.15 J | 53.1 J | 17.4 J | 31.2 J | 25.5 J |
| Barium | 47 | 101 | 126 | 82.3 | 88.3 | 68.8 | 37.7 | 57.7 | 52.2 |
| Beryllium | 0.61 | 1.5 | 2.2 | 1.1 | 1.4 | 1.3 | 0.56 | 0.85 | 2.6 |
| Cadmium | 3.3 | 7.5 | 5.6 | 9.5 | 4.45 | 12.3 | 3.7 | 4.2 | 5.1 |
| Calcium | 9470 | 14200 | 12800 | 16700 | 17350 | 13400 | 4060 | 11700 | 7120 |
| Chromium | 132 | 793 | 1940 | 414 | 380.5 | 2570 | 131 | 920 | 240 |
| Cobalt | 6.9 | 13.5 | 44.1 | 13.7 | 15.45 | 15.9 | 8.4 | 8.1 | 7 |
| Copper | 184 | 694 | 1330 | 635 | 445 | 1010 | 169 | 736 | 361 |
| Cyanide | 0.39 J | 1.8 | 1.6 J | 1.3 J | 1.55 J | 0.72 J | 0.19 UJ | 0.4 UJ | 0.33 UJ |
| Iron | 10200 | 25300 | 119000 | 13300 | 24850 | 15200 | 11200 | 9410 | 6040 |
| Lead | 154 | 722 | 810 | 586 | 750 | 775 | 136 | 621 | 324 |
| Magnesium | 598 | 1300 | 1550 | 1770 | 1825 | 3140 | 2480 | 1720 | 684 |
| Manganese | 216 | 1100 | 1880 | 1330 | 608 | 801 | 175 | 207 | 91.9 |
| Mercury | 0.17 | 1.3 J | 11.6 J | 3.3 J | 0.66 J | 0.6 J | 0.29 J | 0.84 J | 0.34 J |
| Nickel | 10 | 26.3 | 35.6 | 30 | 31.3 | 41.4 | 15.1 | 22.9 | 22 |
| Potassium | 117 J | 334 J | 401 J | 328 J | 335.5 J | 813 | 676 | 377 J | 173 J |
| Selenium | 1.9 J | 6.2 | 6.5 | 3.8 | 6.25 J | 5.7 | 1.5 J | 3.2 | 4.1 |
| Silver | 0.4 UJ | 0.46 UJ | 0.43 UJ | 0.39 UJ | 0.44 UJ | 0.46 UJ | 0.41 UJ | 0.45 UJ | 0.42 UJ |
| Sodium | 228 J | 539 J | 553 J | 557 J | 555 J | 647 J | 159 J | 514 J | 585 J |
| Thallium | 0.24 J | 0.44 J | 0.38 J | 0.51 J | 0.42 J | 0.59 J | 0.28 U | 0.4 J | 0.29 J |
| Vanadium | 25 | 97.4 | 70.9 | 50.9 | 104.35 | 97.3 | 29.6 | 81.9 | 36.2 |
| Zinc | 491 | 910 | 2000 | 1450 | 788 | 2080 | 521 | 606 | 825 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | 5.77 | NA | NA | NA | NA | 5.92 | 5.15 | NA | NA |
| Redox Potential | -4 | NA | NA | NA | NA | -19 | -21 | NA | NA |
| Sulfide | 78.4 J | NA | NA | NA | NA | 868 J | 206 J | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WG-14 | SD-WG-15 | SD-WG-16 | SD-WG-17 | SD-WG-18 | SD-WG-19 | SD-WG-20 | SD-WH-01 | SD-WH-02 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WG-14 | SD-WG-15 | SD-WG-16 | SD-WG-17 | SD-WG-18 | SD-WG-19 | SD-WG-20 | SD-WH-01 | SD-WH-02 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 16000 | 8010 | 3680 | 3140 | 18000 | 14500 | 16250 | 14000 | 17500 |
| Antimony | 4.7 UJ | 1 U | 1.6 U | 0.75 J | 2.5 J | R | R | 11.4 | 15.1 J |
| Arsenic | 24.4 J | 8.6 J | 10 J | 6.6 | 17.4 | 16.8 | 16.8 | 30 | 424 |
| Barium | 76 | 14.1 | 28.2 | 18.2 | 77.7 | 92.5 | 105.5 | 89.4 | 92.6 |
| Beryllium | 2.1 | 0.33 | 0.27 J | 0.17 U | 0.97 | 0.73 | 0.83 | 1.4 | 1.4 |
| Cadmium | 5.5 | 0.49 | 0.89 | 0.46 | 2.4 | 2.5 | 4.85 | 15.1 J | 8.1 J |
| Calcium | 10300 | 1910 | 2100 | 1200 | 4750 | 4080 | 4415 | 17500 | 12600 |
| Chromium | 227 | 14.3 | 25.1 | 18.2 | 123 | 78.8 | 92.9 | 301 | 1170 |
| Cobalt | 9 | 3.5 J | 6.2 | 2.7 J | 8.5 | 11.3 | 22.85 | 16 | 15.9 |
| Copper | 302 | 18.8 | 33.2 | 21.3 | 159 | 129 | 180.5 | 561 | 572 |
| Cyanide | 0.51 J | 0.33 J | 0.32 J | 0.4 J | 0.94 J | 2.5 J | 1.5 J | 0.69 | 1 |
| Iron | 9710 | 5330 | 4920 | 4920 | 17900 | 26400 | 25500 | 8360 | 65300 |
| Lead | 363 | 23.9 | 92.9 | 79.6 | 449 | 453 | 490 | 771 | 1030 |
| Magnesium | 1220 | 454 | 255 J | 184 J | 4610 | 4460 | 5110 | 3020 | 3260 |
| Manganese | 234 | 139 | 223 | 89.5 | 199 | 359 | 797.5 | 154 | 501 |
| Mercury | 0.31 J | 0.09 U | 0.22 | 0.1 J | 0.5 J | 0.62 | 0.505 | 0.73 J | 0.98 J |
| Nickel | 25 | 4.8 | 8.2 | 4.8 | 36.8 | 44.2 | 79.2 | 44 | 31.3 |
| Potassium | 272 J | 95.4 J | 84 J | 89.6 J | 823 | 1010 | 1035 | 650 | 924 |
| Selenium | 2.6 | 1.6 U | 0.91 | 0.66 J | 2 J | 1.6 J | 1.32 J | 3.2 J | 3.7 J |
| Silver | 0.44 UJ | 0.36 UJ | 0.41 UJ | 0.42 UJ | 0.64 J | 0.72 J | 2.95 J | 0.46 J | 0.44 UJ |
| Sodium | 652 J | 78.9 J | 112 J | R | R | R | R | 519 | 656 |
| Thallium | 0.34 J | 0.24 U | 0.23 U | 0.25 U | 0.27 U | 0.26 U | 0.27 U | 1.5 | 0.53 J |
| Vanadium | 77.5 | 10.3 | 17 | 14.9 | 75 | 64.8 | 68.75 | 67.7 | 123 |
| Zinc | 765 | 88 | 157 | 80.1 | 398 | 404 | 723 | 3230 | 1550 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | 5.645 | 6.14 | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | -9 | -36 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | 104.75 J | 674 J | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WH-03 | SD-WH-04 | SD-WH-05 | SD-WH-06 | SD-WH-07 | SD-WH-07-TR | SD-WH-08 | SD-WH-09 | SD-WH-10 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | 140 U | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | R | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | R | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | 2700 J | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | R | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | 140 U | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | R | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | R | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | 660 J | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | 600 U | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | 49 U | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | 49 U | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | 49 U | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | 4.9 U | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | 2.5 U | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | 25 U | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WH-03 | SD-WH-04 | SD-WH-05 | SD-WH-06 | SD-WH-07 | SD-WH-07-TR | SD-WH-08 | SD-WH-09 | SD-WH-10 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8870 | 17400 | 15900 | 5420 | 5180 | 6705 | 9400 | 4720 | 12550 |
| Antimony | 18.6 J | 34.5 J | 20.6 J | 31.7 J | 22 J | 24.35 | 9.9 | 35.4 J | 15.1 J |
| Arsenic | 123 | 210 | 370 | 22.6 | 12.5 | 24.2 | 4.7 | 19.2 | 15 J |
| Barium | 53.9 | 107 | 132 | 54.3 | 70.9 | 75.85 | 85.5 | 67.5 | 67.05 |
| Beryllium | 0.7 | 1.6 | 1.3 | 0.36 J | 0.45 | 0.685 J | 1.3 | 0.28 J | 0.695 |
| Cadmium | 4.6 J | 11.1 J | 14.3 J | 1.6 J | 1.9 J | 3 | 0.87 J | 2.5 J | 1.6 J |
| Calcium | 10500 | 11800 | 14700 | 12600 | 14700 | 14350 | 14300 | 18700 | 12200 |
| Chromium | 212 | 1050 | 855 | 57 | 27.2 | 45.85 | 17.7 | 21.9 | 53.45 |
| Cobalt | 12.3 | 30.3 | 34.4 | 4.5 | 3 J | 8.15 | 2.4 J | 4.1 J | 3.1 J |
| Copper | 237 | 548 | 513 | 59 | 43.9 | 66.55 | 23.8 | 52 | 50.35 |
| Cyanide | 0.49 | 0.36 U | 1.1 | 0.6 | 0.53 | NA | 0.42 | 0.42 | 0.26 J |
| Iron | 20800 | 42600 | 76600 | 10400 | 8870 | 12400 | 4020 | 12300 | 10250 |
| Lead | 1220 | 1770 | 942 | 2540 | 2380 | 1900 | 1050 | 1130 | 1940 |
| Magnesium | 1700 | 2410 | 3250 | 1330 | 1140 | 1380 | 1300 | 1750 | 1910 |
| Manganese | 176 | 612 | 747 | 180 | 105 | 101.2 | 73 | 51.9 | 52.2 |
| Mercury | 0.54 J | 0.66 J | 0.82 J | 0.57 J | 0.4 J | 0.02 U | 0.25 J | R | 0.425 J |
| Nickel | 18.9 | 43.7 | 42.4 | 12.9 | 13 | 14.5 | 11.8 | 14.4 | 15.1 |
| Potassium | 354 J | 656 | 851 | 240 J | 178 J | 227 J | 222 J | 347 J | 385.5 J |
| Selenium | 2.9 J | 4.1 J | 4.1 J | 1.7 J | 2.3 J | 1.55 J | 1.6 J | 1.9 J | 2.95 J |
| Silver | 0.42 UJ | 0.41 UJ | 0.45 UJ | 0.43 UJ | 0.45 UJ | 1 U | 0.46 UJ | 0.44 UJ | 0.4 UJ |
| Sodium | 394 J | 682 | 865 | 574 | 658 | 939.5 | 554 | 973 | 570.5 J |
| Thallium | 0.36 J | 0.8 | 1.1 | 0.32 J | 0.3 J | 1.1 UJ | 0.27 U | 0.36 J | 0.2225 J |
| Vanadium | 58.9 | 163 | 100 | 46.5 | 50.8 | 57.1 | 32.3 | 64.5 | 67.75 |
| Zinc | 634 U | 1750 | 2720 | 241 U | 272 U | 543 J | 125 U | 289 U | 181 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | 3.5728 | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | 57.51195 | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | 1359.45992 | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | 0.79237 J | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | 17.853498 | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | 3.31 | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | 159.0555 | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | 604.73418 | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | 815000 J | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | 5.65 |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | -43 |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | 183 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-01 | SD-WS-02 | SD-WS-03 | SD-WS-04 | SD-WS-05 | SD-WS-06 | SD-WS-07 | SD-WS-08 | SD-WS-09 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-01 | SD-WS-02 | SD-WS-03 | SD-WS-04 | SD-WS-05 | SD-WS-06 | SD-WS-07 | SD-WS-08 | SD-WS-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8490 | 11900 | 7490 | 5850 | 7560 | 3840 | 3570 | 13500 | 10600 |
| Antimony | 4.3 J | 5.1 J | 1.2 J | 3.1 J | 4.5 J | 2.5 J | 2.4 J | 7.2 J | 4.1 J |
| Arsenic | 240 | 235 | 17.7 | 123 | 214 | 79.8 | 38.6 | 339 | 194 |
| Barium | 115.65 | 133 | 60.8 | 89.4 | 106 | 123 | 107 | 200 | 135 |
| Beryllium | 0.615 | 0.73 | 0.31 J | 0.35 J | 0.51 | 0.27 J | 0.2 J | 0.87 | 0.61 |
| Cadmium | 8.75 | 12.9 | 1.3 | 4.8 | 10.6 | 6.3 | 3.7 | 16.7 | 7.8 |
| Calcium | 7875 J | 9790 J | 8060 J | 14800 J | 14200 J | 14900 J | 16900 J | 18300 J | 14700 J |
| Chromium | 637 | 875 | 67.7 | 252 | 459 | 257 | 68.3 | 1320 | 481 |
| Cobalt | 20 | 19 | 5.5 | 11.1 | 18.8 | 16.1 | 7.9 | 44.8 | 23.2 |
| Copper | 337 | 436 | 68 | 188 | 362 | 171 | 89.6 | 686 | 318 |
| Cyanide | 3.1 J | 2.6 J | 1.4 J | 3.7 J | 1.8 J | 1.4 J | 2.1 J | 12.1 J | 2.3 J |
| Iron | 37050 J | 43400 J | 12800 J | 20400 J | 30400 J | 20100 J | 15300 J | 52400 J | 35600 J |
| Lead | 308 | 360 | 165 | 194 | 251 | 170 | 177 | 490 | 352 |
| Magnesium | 2165 | 3180 | 2560 | 2260 | 2460 | 1560 | 1870 | 3570 | 3690 |
| Manganese | 1073 J | 657 J | 413 J | 917 J | 1020 J | 1420 J | 1120 J | 1170 J | 1210 J |
| Mercury | 1.55 J | 1.8 J | 0.22 J | 0.88 J | R | 0.55 J | 0.34 J | R | 1.3 J |
| Nickel | 33.75 J | 40.6 J | 18 J | 20.2 J | 28.1 J | 21.9 J | 17.4 J | 46.3 J | 34.6 J |
| Potassium | 520 J | 1000 | 647 | 915 | 1020 | 429 J | 447 | 1270 | 1160 |
| Selenium | 2.4 J | 2.6 J | 0.79 J | 1.4 J | 1.8 J | 1.6 J | 1.1 J | 3.8 J | 1.8 J |
| Silver | 0.43 UJ | 0.43 UJ | 0.33 UJ | 0.44 UJ | 0.42 UJ | 0.44 UJ | 0.44 UJ | 0.44 UJ | 0.47 UJ |
| Sodium | 800.5 | 901 | 631 | 898 | 1970 | 980 | 1100 | 1310 | 948 |
| Thallium | 0.5 J | 0.93 J | 0.23 U | 0.5 J | 1.1 J | 0.53 J | 0.26 U | 2.2 J | 0.81 J |
| Vanadium | 41.45 | 48.7 | 24.7 | 26.8 | 34.5 | 22.2 | 22.5 | 56.1 | 43.5 |
| Zinc | 1305 | 2140 | 299 | 1010 | 1820 | 1200 | 731 | 3440 | 1750 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | 5.66 | NA | NA | NA | NA | NA | NA | NA | 6.14 |
| Redox Potential | -3 | NA | NA | NA | NA | NA | NA | NA | -79 |
| Sulfide | 91.8 J | NA | NA | NA | NA | NA | NA | NA | 549 J |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-10 | SD-WW-01 | SD-WW-02 | SD-WW-03 | SD-WW-04 | SD-WW-05 | SD-WW-06 | SD-WW-06-TR | SD-WW-07 |
|---|---|---|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA | NA | 110 UJ | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA | NA | R | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA | NA | R | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Acetone | NA | NA | NA | NA | NA | NA | NA | 410 J | NA |
| Benzene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA | NA | R | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA | NA | 60 U | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Toluene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA | NA | R | NA |
| SVOCs (ug/Kg) | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | 330 J | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | 610 J | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | 300 J | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | 500 J | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | 610 U | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | 480 J | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA | NA | 2.1 J | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Aldrin | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA | NA | 50 U | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA | NA | 50 U | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA | NA | 50 U | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Endrin | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA | NA | 5 U | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA | NA | 2.5 U | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA | NA | 25 U | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WS-10 | SD-WW-01 | SD-WW-02 | SD-WW-03 | SD-WW-04 | SD-WW-05 | SD-WW-06 | SD-WW-06-TR | SD-WW-07 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 12200 | 13450 | 10700 | 9740 | 10200 | 8590 | 8510 | 8280 | 8990 |
| Antimony | 5.1 J | R | R | R | R | R | R | 57.3 J | R |
| Arsenic | 198 | 45.95 J | 50.3 J | 48.2 J | 44.8 J | 37.6 J | 42.3 J | 4.4 J | 42.6 J |
| Barium | 123 | 155.5 | 129 | 152 | 204 | 170 | 187 | 125 | 167 |
| Beryllium | 0.81 | 0.885 | 0.87 | 0.5 U | 0.54 U | 0.22 U | 0.073 U | 0.77 J | 0.19 U |
| Cadmium | 8.1 | 5.5 J | 9.6 J | 4.5 J | 2.9 J | 3 J | 3.6 J | 3.2 | 3.9 J |
| Calcium | 15500 J | 10270 | 13900 | 9840 | 9800 | 11000 | 13700 | 16200 | 15100 |
| Chromium | 623 | 8135 J | 6790 J | 3670 J | 7250 J | 15900 J | 23400 J | 6550 | 17400 J |
| Cobalt | 23.5 | 10.95 | 11.5 | 20.5 | 19.4 | 11.4 | 7.7 | 6.8 | 20.5 |
| Copper | 407 | 544 | 598 | 592 | 265 | 263 | 335 | 210 | 327 |
| Cyanide | 5.6 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | 30200 J | 12800 | 9870 | 20000 | 20000 | 8050 | 7700 | 8430 | 10800 |
| Lead | 481 | 401 J | 247 J | 176 J | 203 J | 232 J | 321 | 369 | 495 J |
| Magnesium | 3870 | 1805 | 1390 | 1200 | 2200 | 1710 | 2070 | 2520 | 2400 |
| Manganese | 1360 J | 417.5 | 535 | 803 | 543 | 363 | 234 | 186 | 139 |
| Mercury | 1.2 J | 1.8 | 1.4 | 0.7 | 0.85 | 0.96 | 1.1 | 0.09 U | 1.2 |
| Nickel | 40.5 J | 28.65 | 18.9 | 20.7 | 27.2 | 20.3 | 21.5 | 21.9 | 23.4 |
| Potassium | 988 | 387.5 | 276 | 235 | 376 | 294 | 334 | 372 J | 354 |
| Selenium | 3.4 J | 5.95 J | 3.7 J | 4.9 J | 5.1 J | 5.3 J | 5.7 J | 1 U | 5.1 J |
| Silver | 0.42 UJ | 0.7 UJ | 0.56 UJ | 0.84 U | 0.87 U | 0.54 UJ | 0.66 UJ | 1 U | 0.67 U |
| Sodium | 836 | 1530 | 1980 | 1480 | 1500 | 1400 | 1570 | 579 U | 1940 |
| Thallium | 0.76 J | 0.99 J | 0.65 UJ | 1.4 J | 0.92 J | 0.86 J | 1.9 J | 1.1 UJ | 2.2 J |
| Vanadium | 53.2 | 85.55 | 39.8 | 63.1 | 103 | 57 | 52.7 | 56.9 | 60 |
| Zinc | 1720 | 955.5 | 1280 | 1020 | 1030 | 920 | 1170 | 888 J | 1400 |
| AVS-SEM (mg/Kg) | | | | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | 3.2144 | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | 82.84845 | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | 236.68456 | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | 1.56468 J | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | 13.856709 | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA | NA | 23.75 | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | 20.865 | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | 906.2151 | NA |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | 760000 J | NA |
| Wet Parameters (mg/kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WW-08 | SD-WW-08-02 | SD-WW-09 | SD-WW-10 | SD-WW-11 | SD-WW-12 |
|---|---|---|---|---|---|---|
| VOCs (ug/Kg) | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluor | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethene(total) | NA | NA | NA | NA | NA | NA |
| 2-Butanone | NA | NA | NA | NA | NA | NA |
| Acetone | NA | NA | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | NA | NA | NA | NA | NA | NA |
| Xylene, m/p- | NA | NA | NA | NA | NA | NA |
| SVOCs (ug/Kg) | | | | | | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA |
| Butylbenzylphthalate | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA |
| Diethylphthalate | NA | NA | NA | NA | NA | NA |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA |
| 4,4'-DDT | NA | NA | NA | NA | NA | NA |
| Aldrin | NA | NA | NA | NA | NA | NA |
| alpha-BHC | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA |
| Aroclor 1248 | NA | NA | NA | NA | NA | NA |
| Aroclor 1254 | NA | NA | NA | NA | NA | NA |
| Aroclor 1260 | NA | NA | NA | NA | NA | NA |
| beta-BHC | NA | NA | NA | NA | NA | NA |
| delta-BHC | NA | NA | NA | NA | NA | NA |
| Dieldrin | NA | NA | NA | NA | NA | NA |
| Endosulfan I | NA | NA | NA | NA | NA | NA |
| Endosulfan II | NA | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | NA | NA | NA | NA | NA | NA |
| Endrin | NA | NA | NA | NA | NA | NA |
| Endrin Aldehyde | NA | NA | NA | NA | NA | NA |
| Endrin Ketone | NA | NA | NA | NA | NA | NA |
| gamma-BHC (Lindane) | NA | NA | NA | NA | NA | NA |
| gamma-Chlordane | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | NA | NA | NA | NA | NA | NA |
| Methoxychlor | NA | NA | NA | NA | NA | NA |

**TABLE 2-161**
**SEDIMENT DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-WW-08 | SD-WW-08-02 | SD-WW-09 | SD-WW-10 | SD-WW-11 | SD-WW-12 |
|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | |
| Aluminum | 9750 | 6160 | 11300 | 12900 | 13600 | 13800 |
| Antimony | R | 1 UJ | R | R | R | R |
| Arsenic | 38.3 J | 27.9 | 54.6 J | 52.8 J | 37.4 J | 44.2 J |
| Barium | 259 | 124 | 281 | 267 | 3420 | 577 |
| Beryllium | 0.065 U | 0.1 U | 0.65 U | 0.64 U | 0.32 U | 0.27 U |
| Cadmium | 4.2 J | 4.1 | 5.4 J | 3.6 J | 0.048 UJ | 2.8 J |
| Calcium | 12400 | 8950 | 9770 | 9330 | 4220 | 6580 |
| Chromium | 24600 J | 10300 | 9520 J | 8190 J | 13000 J | 18400 J |
| Cobalt | 9.3 | 6.9 | 21 | 13.8 | 6.4 | 8.4 |
| Copper | 391 | 249 J | 310 | 383 | 178 | 244 |
| Cyanide | NA | NA | NA | NA | NA | NA |
| Iron | 10600 | 6740 | 16400 | 14100 | 11200 | 10700 |
| Lead | 393 J | 243 J | 315 J | 329 J | 147 J | 344 J |
| Magnesium | 2220 | 1840 | 2190 | 2400 | 2250 | 2540 |
| Manganese | 196 | 149 J | 445 | 328 | 95.4 | 175 |
| Mercury | 1.4 | 0.7 | 1.1 | 1.3 | 0.46 | 0.74 |
| Nickel | 28.9 | 20.7 | 27.8 | 25 | 20.1 | 23.2 |
| Potassium | 321 | 361 | 364 | 484 | 465 | 441 |
| Selenium | 5.5 J | 2.5 U | 5 J | 4.9 J | 3.2 J | 4.4 J |
| Silver | 1.2 U | 0.35 U | 0.85 U | 0.75 U | 0.52 U | 0.6 UJ |
| Sodium | 2350 | 1600 J | 1910 | 1650 | 1850 | 1820 |
| Thallium | 2.7 J | 1.5 U | 1.4 J | 0.67 UJ | 1.2 J | 1.3 J |
| Vanadium | 79 | 77.1 | 84.1 | 74.2 | 55.9 | 67.8 |
| Zinc | 1890 | 1000 | 1360 | 1180 | 1460 | 1380 |
| AVS-SEM (mg/Kg) | | | | | | |
| Arsenic | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA |
| SEM/AVS Ratio | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Combustible Organics | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/kg) | | | | | | |
| pH | NA | 6.03 | NA | NA | NA | NA |
| Redox Potential | NA | 341 | NA | NA | NA | NA |
| Sulfide | NA | 180 J | NA | NA | NA | NA |

**TABLE 2-162**
**SURFACE SOIL DATA SUMMARY - STATION CB-05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4820 | | 7240 | | SO-CB-05-08 | 10 / 10 | N/A | 5769 |
| Antimony | 0.67 | J | 1.6 | | SO-CB-05-05 | 6 / 10 | 0.65 - 1.9 | 0.9 |
| Arsenic | 16.8 | | 86.3 | | SO-CB-05-05 | 10 / 10 | N/A | 30 |
| Barium | 17.1 | | 40.1 | | SO-CB-05-08 | 10 / 10 | N/A | 27 |
| Beryllium | 0.26 | J | 0.38 | J | SO-CB-05-08 | 8 / 10 | 0.21 - 0.22 | 0.3 |
| Cadmium | 0.22 | J | 1.1 | | SO-CB-05-06 | 9 / 10 | 0.22 | 0 |
| Calcium | 1240 | | 4010 | | SO-CB-05-06 | 10 / 10 | N/A | 2171 |
| Chromium | 13.4 | | 211 | | SO-CB-05-03 | 10 / 10 | N/A | 56 |
| Cobalt | 3.7 | | 9.5 | | SO-CB-05-05 | 10 / 10 | N/A | 6 |
| Copper | 26.5 | | 82.9 | | SO-CB-05-05 | 10 / 10 | N/A | 40 |
| Iron | 6690 | | 14500 | | SO-CB-05-05 | 10 / 10 | N/A | 10107 |
| Lead | 28.9 | | 90.9 | | SO-CB-05-05 | 10 / 10 | N/A | 50 |
| Magnesium | 1620 | | 3020 | | SO-CB-05-01 | 10 / 10 | N/A | 2260 |
| Manganese | 128 | J | 309 | | SO-CB-05-05 | 10 / 10 | N/A | 194 |
| Mercury | 0.07 | J | 0.6 | | SO-CB-05-05 | 10 / 10 | N/A | 0.2 |
| Nickel | 8.5 | | 11.3 | | SO-CB-05-08 | 10 / 10 | N/A | 10 |
| Potassium | 421 | | 1000 | | SO-CB-05-02 | 10 / 10 | N/A | 720 |
| Selenium | 1.1 | J | 1.2 | J | SO-CB-05-05 | 2 / 10 | 0.65 - 0.83 | 0.5 |
| Silver | | | | | | 0 / 10 | 0.21 - 0.27 | 0.1 |
| Sodium | 276.5 | | 391 | | SO-CB-05-08 | 10 / 10 | N/A | 337 |
| Thallium | 0.72 | J | 1.85 | J | SO-CB-05-10 | 4 / 10 | 0.65 - 0.8 | 0.8 |
| Vanadium | 17.2 | | 34.9 | | SO-CB-05-05 | 10 / 10 | N/A | 23 |
| Zinc | 60.7 | J | 259 | | SO-CB-05-06 | 10 / 10 | N/A | 130 |
| Total Organic Carbon | 19700 | | 92100 | | SO-CB-05-05 | 10 / 10 | 5950 - 8850 | 54655 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-163**
**SURFACE SOIL DATA SUMMARY - STATION DA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5160 | | 10900 | | SO-DA-03 | 5 / 5 | N/A | 6979 |
| Antimony | | | | | | 0 / 5 | 1.9 - 2.2 | 1.0 |
| Arsenic | 21.8 | J | 272 | J | SO-DA-03 | 5 / 5 | N/A | 99 |
| Barium | 11 | | 90.6 | | SO-DA-03 | 5 / 5 | N/A | 35 |
| Beryllium | 0.24 | J | 0.53 | | SO-DA-03 | 2 / 5 | 0.21 - 0.24 | 0.2 |
| Cadmium | 0.3 | J | 4.6 | J | SO-DA-03 | 4 / 5 | 0.23 | 1 |
| Calcium | 556 | | 4060 | | SO-DA-03 | 5 / 5 | N/A | 1572 |
| Chromium | 32.6 | J | 550 | J | SO-DA-03 | 5 / 5 | N/A | 193 |
| Cobalt | 2.8 | | 25.7 | | SO-DA-03 | 5 / 5 | N/A | 9 |
| Copper | 41.4 | J | 320 | J | SO-DA-03 | 5 / 5 | N/A | 145 |
| Iron | 9240 | | 37000 | | SO-DA-03 | 5 / 5 | N/A | 16868 |
| Lead | 67.4 | J | 274 | J | SO-DA-03 | 5 / 5 | N/A | 134 |
| Magnesium | 1360 | | 2630 | | SO-DA-02 | 5 / 5 | N/A | 1923 |
| Manganese | 58.1 | | 2850 | | SO-DA-03 | 5 / 5 | N/A | 791 |
| Mercury | 0.31 | J | 3.4 | | SO-DA-03 | 5 / 5 | N/A | 1.2 |
| Nickel | 6.5 | | 22.2 | | SO-DA-03 | 5 / 5 | N/A | 11 |
| Potassium | 300 | | 487 | | SO-DA-03 | 5 / 5 | N/A | 394 |
| Selenium | 1.2 | J | 2 | J | SO-DA-03 | 3 / 5 | 0.86 | 1.1 |
| Silver | 0.28 | J | 0.28 | J | SO-DA-03 | 1 / 5 | 0.21 - 0.24 | 0.1 |
| Sodium | 272 | | 559 | | SO-DA-03 | 5 / 5 | N/A | 358 |
| Thallium | 1.6 | J | 3.4 | | SO-DA-03 | 2 / 5 | 1.5 - 1.7 | 1.5 |
| Vanadium | 14.1 | | 41.9 | | SO-DA-03 | 5 / 5 | N/A | 27 |
| Zinc | 53.1 | | 843 | | SO-DA-03 | 5 / 5 | N/A | 275 |
| Total Organic Carbon | 13100 | | 87000 | | SO-DA-04 | 5 / 5 | 5880 - 10100 | 35440 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-164**
**SURFACE SOIL DATA SUMMARY - DAVIDSON PARK**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5940 | J | 10600 | J | SO-DP-09 | 26 / 26 | 7.4 | 7886 |
| Antimony | | | | | | 0 / 26 | 2 - 4.9 | 0.70 |
| Arsenic | 6.05 | J | 219 | | SO-DP-26 | 26 / 26 | 5.6 | 33 |
| Barium | 20.3 | | 152.5 | | SO-DP-26 | 26 / 26 | 0.1 | 43 |
| Beryllium | 0.44 | | 0.44 | | SO-DP-26 | 1 / 9 | 0.05 - 0.2 | 0.074 |
| Cadmium | 0.6475 | J | 0.6475 | J | SO-DP-26 | 1 / 26 | 0.1 - 0.5 | 0.090 |
| Calcium | 1140 | J | 7240 | | SO-DP-26 | 26 / 26 | 9.7 | 2664 |
| Chromium | 24.4 | J | 316 | J | SO-DP-26 | 26 / 26 | 1.5 | 110 |
| Cobalt | 3.9 | | 13.3 | | SO-DP-03 | 26 / 26 | 1.7 | 7.1 |
| Copper | 20.8 | | 298.5 | | SO-DP-26 | 26 / 26 | 0.6 | 80 |
| Iron | 7890 | | 134000 | J | SO-DP-16 | 26 / 26 | 29.5 | 17064 |
| Lead | 25 | | 261 | | SO-DP-12 | 26 / 26 | 2.6 | 119 |
| Magnesium | 1370 | | 5020 | | SO-DP-03 | 26 / 26 | 14.6 | 2502 |
| Manganese | 84.8 | J | 818 | | SO-DP-25 | 26 / 26 | 0.2 | 264 |
| Mercury | 0.22 | J | 2.35 | | SO-DP-26 | 21 / 26 | 0.1 - 0.26 | 0.77 |
| Nickel | 6.5 | J | 21 | J | SO-DP-16 | 26 / 26 | 1 | 12 |
| Potassium | 190 | | 755 | | SO-DP-25 | 26 / 26 | 41 | 416 |
| Selenium | 0.93 | J | 6.1 | | SO-DP-16 | 10 / 26 | 0.81 - 3.9 | 1.0 |
| Silver | 0.41 | J | 1.3 | | SO-DP-11 | 24 / 25 | 0.42 - 1.8 | 0.69 |
| Sodium | 216 | J | 216 | J | SO-DP-26 | 1 / 25 | 6.4 - 268 | 89 |
| Thallium | 1.775 | J | 3.6 | J | SO-DP-16 | 10 / 26 | 1.6 - 7.8 | 1.6 |
| Vanadium | 15.6 | | 58.1 | | SO-DP-12 | 26 / 26 | 1.4 | 28 |
| Zinc | 55.8 | | 44800 | | SO-DP-16 | 26 / 26 | 0.1 - 3.3 | 1924 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 5 | 2.142 - 2.896 | 1.2 |
| pH | 4.38 | | 6.31 | | SO-DP-19 | 5 / 5 | N/A | 5.5 |
| Redox Potential | 2 | J | 54 | J | SO-DP-12 | 5 / 5 | N/A | 19 |
| Sulfide | 9.58 | J | 19.35 | J | SO-DP-06 | 5 / 5 | 1.87 - 2.1 | 13 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-165**
**SURFACE SOIL DATA SUMMARY - STATION KFSO**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3840 | | 7550 | | SO-KF-05 | 10 / 10 | N/A | 5604 |
| Antimony | | | | | | 0 / 10 | 1.7 - 1.8 | 0.9 |
| Arsenic | 19.9 | | 54.55 | | SO-KF-05 | 10 / 10 | N/A | 40 |
| Barium | 27.3 | | 77.05 | | SO-KF-05 | 10 / 10 | N/A | 51 |
| Beryllium | 0.21 | | 0.485 | J | SO-KF-05 | 10 / 10 | N/A | 0.4 |
| Cadmium | 0.86 | | 2.05 | J | SO-KF-05 | 7 / 10 | 0.44 - 0.76 | 1 |
| Calcium | 1620 | | 3570 | | SO-KF-05 | 10 / 10 | N/A | 2827 |
| Chromium | 48.4 | | 141 | | SO-KF-02 | 10 / 10 | N/A | 102 |
| Cobalt | 5.5 | | 13.35 | | SO-KF-05 | 10 / 10 | N/A | 9 |
| Copper | 50.6 | | 143.5 | | SO-KF-05 | 10 / 10 | N/A | 91 |
| Iron | 9840 | | 21800 | | SO-KF-05 | 10 / 10 | N/A | 14884 |
| Lead | 86.5 | | 265.5 | | SO-KF-05 | 10 / 10 | N/A | 160 |
| Magnesium | 1590 | | 2880 | | SO-KF-05 | 10 / 10 | N/A | 2180 |
| Manganese | 245 | | 1340 | | SO-KF-05 | 10 / 10 | N/A | 638 |
| Mercury | 0.27 | J | 0.855 | J | SO-KF-05 | 10 / 10 | N/A | 0.6 |
| Nickel | 5.6 | | 17.75 | | SO-KF-05 | 10 / 10 | N/A | 12 |
| Potassium | 254 | J | 511 | J | SO-KF-02 | 10 / 10 | N/A | 389 |
| Selenium | 0.65 | J | 0.87 | J | SO-KF-10 | 2 / 10 | 0.58 - 0.6 | 0.4 |
| Silver | 0.47 | J | 0.875 | | SO-KF-05 | 9 / 10 | 0.4 | 0.6 |
| Sodium | 171 | J | 279 | J | SO-KF-05 | 7 / 10 | 150 - 152 | 174 |
| Thallium | | | | | | 0 / 10 | 1.7 - 1.8 | 0.9 |
| Vanadium | 15.5 | | 37.35 | | SO-KF-05 | 10 / 10 | N/A | 25 |
| Zinc | 181 | J | 489 | | SO-KF-05 | 10 / 10 | N/A | 334 |
| Total Organic Carbon | 12700 | | 62500 | | SO-KF-02 | 10 / 10 | 7630 - 8620 | 42075 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-166**
**SURFACE SOIL DATA SUMMARY - STATION NRSO**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2890 | | 8250 | | SO-NR-20 | 5 / 5 | N/A | 4608 |
| Antimony | | | | | | 0 / 5 | 1.7 - 2 | 0.9 |
| Arsenic | 39.6 | | 266 | | SO-NR-20 | 5 / 5 | N/A | 111 |
| Barium | 16.8 | | 74.2 | | SO-NR-20 | 5 / 5 | N/A | 38 |
| Beryllium | 0.3 | | 0.56 | | SO-NR-20 | 3 / 5 | 0.15 - 0.16 | 0.3 |
| Cadmium | 1.2 | | 3 | | SO-NR-20 | 2 / 5 | 0.3 - 0.69 | 1 |
| Calcium | 1090 | | 4450 | | SO-NR-20 | 5 / 5 | N/A | 2207 |
| Chromium | 40 | | 228 | | SO-NR-20 | 5 / 5 | N/A | 98 |
| Cobalt | 2.95 | | 12.8 | | SO-NR-20 | 5 / 5 | N/A | 6 |
| Copper | 38.6 | | 228 | | SO-NR-20 | 5 / 5 | N/A | 97 |
| Iron | 7960 | | 36900 | | SO-NR-20 | 5 / 5 | N/A | 17216 |
| Lead | 35.6 | | 187 | | SO-NR-20 | 5 / 5 | N/A | 85 |
| Magnesium | 1070 | | 2700 | | SO-NR-20 | 5 / 5 | N/A | 1636 |
| Manganese | 111 | | 830 | | SO-NR-20 | 5 / 5 | N/A | 307 |
| Mercury | 0.38 | | 2 | | SO-NR-20 | 5 / 5 | N/A | 0.8 |
| Nickel | 4.25 | J | 14.9 | | SO-NR-20 | 4 / 5 | 4.9 | 8 |
| Potassium | 236 | | 548 | | SO-NR-20 | 5 / 5 | N/A | 364 |
| Selenium | 0.68 | J | 2.4 | J | SO-NR-20 | 3 / 5 | 0.6 | 0.9 |
| Silver | 0.31 | J | 2.7 | | SO-NR-20 | 5 / 5 | N/A | 1.1 |
| Sodium | 189 | J | 602 | | SO-NR-16 | 5 / 5 | N/A | 339 |
| Thallium | | | | | | 0 / 5 | 1.7 - 2 | 0.9 |
| Vanadium | 8.75 | | 31.8 | | SO-NR-20 | 5 / 5 | N/A | 16 |
| Zinc | 105 | J | 708 | J | SO-NR-20 | 5 / 5 | N/A | 290 |
| Total Organic Carbon | | | | | | | | |
| Total Organic Carbon | 5100 | J | 54900 | | SO-NR-20 | 5 / 5 | 7140 - 8850 | 24400 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-167**
**SURFACE SEDIMENT DATA SUMMARY - STATION WSS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6530 | | 9400 | | SO-SS-03 | 5 / 5 | N/A | 8088 |
| Antimony | 0.76 | J | 0.76 | J | SO-SS-05 | 1 / 5 | 1.7 - 1.8 | 0.9 |
| Arsenic | 8.1 | | 10.9 | | SO-SS-03 | 5 / 5 | N/A | 9 |
| Barium | 28.9 | | 43.6 | | SO-SS-04 | 5 / 5 | N/A | 35 |
| Beryllium | 0.18 | J | 0.33 | J | SO-SS-05 | 4 / 5 | 0.2 | 0.22 |
| Cadmium | 0.31 | J | 0.37 | J | SO-SS-05 | 2 / 5 | 0.19 - 0.2 | 0.2 |
| Calcium | 1330 | | 2240 | | SO-SS-04 | 5 / 5 | N/A | 1925 |
| Chromium | 9.3 | | 19.7 | | SO-SS-05 | 5 / 5 | N/A | 13 |
| Cobalt | 2.3 | | 5.3 | | SO-SS-05 | 5 / 5 | N/A | 4 |
| Copper | 18.3 | | 33.8 | J | SO-SS-02 | 5 / 5 | N/A | 27 |
| Iron | 6600 | | 10800 | | SO-SS-05 | 5 / 5 | N/A | 9233 |
| Lead | 55.5 | | 93.3 | | SO-SS-03 | 5 / 5 | N/A | 68 |
| Magnesium | 1360 | | 2390 | | SO-SS-04 | 5 / 5 | N/A | 2009 |
| Manganese | 90.6 | | 204 | | SO-SS-05 | 5 / 5 | N/A | 148 |
| Mercury | 0.09 | J | 0.13 | J | SO-SS-01 | 5 / 5 | N/A | 0.10 |
| Nickel | 6.7 | | 9.7 | | SO-SS-03 | 5 / 5 | N/A | 8 |
| Potassium | 452 | | 859 | | SO-SS-04 | 5 / 5 | N/A | 581 |
| Selenium | 0.76 | J | 0.76 | J | SO-SS-05 | 1 / 5 | 0.77 - 1.4 | 0.5 |
| Silver | | | | | | 0 / 5 | 0.19 - 0.2 | 0.10 |
| Sodium | 267 | | 960 | J | SO-SS-05 | 5 / 5 | N/A | 419 |
| Thallium | 1.5 | J | 1.5 | J | SO-SS-01 | 1 / 5 | 0.6 - 1.4 | 0.77 |
| Vanadium | 13.1 | | 24.3 | | SO-SS-03 | 5 / 5 | N/A | 19 |
| Zinc | 33.5 | | 81.5 | J | SO-SS-05 | 5 / 5 | N/A | 54 |
| Total Organic Carbon (mg/Kg) | 21800 | | 36600 | | SO-SS-05 | 5 / 5 | 7140 - 8330 | 27850 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-168**
**SURFACE SOIL DATA SUMMARY - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2890 | | 10900 | | SO-DA-03 | 61 / 61 | 7.4 | 6839 |
| Antimony | 0.67 | J | 1.6 | | SO-CB-05-05 | 7 / 61 | 0.65 - 4.9 | 0.82 |
| Arsenic | 6.05 | J | 272 | J | SO-DA-03 | 61 / 61 | 5.6 | 44 |
| Barium | 11 | | 152.5 | | SO-DP-26 | 61 / 61 | 0.1 | 40 |
| Beryllium | 0.18 | J | 0.56 | | SO-NR-20 | 28 / 44 | 0.05 - 0.24 | 0.24 |
| Cadmium | 0.22 | J | 4.6 | J | SO-DA-03 | 25 / 61 | 0.1 - 0.76 | 0.5 |
| Calcium | 556 | | 7240 | | SO-DP-26 | 61 / 61 | 9.7 | 2423 |
| Chromium | 9.3 | | 550 | J | SO-DA-03 | 61 / 61 | 1.5 | 98 |
| Cobalt | 2.3 | | 25.7 | | SO-DA-03 | 61 / 61 | 1.7 | 7 |
| Copper | 18.3 | | 320 | J | SO-DA-03 | 61 / 61 | 0.6 | 78 |
| Iron | 6600 | | 134000 | J | SO-DP-16 | 61 / 61 | 29.5 | 14921 |
| Lead | 25 | | 274 | J | SO-DA-03 | 61 / 61 | 2.6 | 109 |
| Magnesium | 1070 | | 5020 | | SO-DP-03 | 61 / 61 | 14.6 | 2251 |
| Manganese | 58.1 | | 2850 | | SO-DA-03 | 61 / 61 | 0.2 | 351 |
| Mercury | 0.07 | J | 3.4 | | SO-DA-03 | 56 / 61 | 0.1 - 0.26 | 0.6 |
| Nickel | 4.25 | J | 22.2 | | SO-DA-03 | 60 / 61 | 1 - 4.9 | 11 |
| Potassium | 190 | | 1000 | | SO-CB-05-02 | 61 / 61 | 41 | 469 |
| Selenium | 0.65 | J | 6.1 | | SO-DP-16 | 21 / 61 | 0.58 - 3.9 | 0.8 |
| Silver | 0.28 | J | 2.7 | | SO-NR-20 | 39 / 60 | 0.19 - 1.8 | 0.52 |
| Sodium | 171 | J | 960 | J | SO-SS-05 | 33 / 60 | 6.4 - 268 | 215 |
| Thallium | 0.72 | J | 3.6 | J | SO-DP-16 | 17 / 61 | 0.6 - 7.8 | 1.2 |
| Vanadium | 8.75 | | 58.1 | | SO-DP-12 | 61 / 61 | 1.4 | 25 |
| Zinc | 33.5 | | 44800 | | SO-DP-16 | 61 / 61 | 0.1 - 3.3 | 947 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | | | | | | 0 / 5 | 2.142 - 2.896 | 1.2 |
| pH | 4.38 | | 6.31 | | SO-DP-19 | 5 / 5 | N/A | 5.5 |
| Redox Potential | 2 | J | 54 | J | SO-DP-12 | 5 / 5 | N/A | 19 |
| Sulfide | 9.58 | J | 19.35 | J | SO-DP-06 | 5 / 5 | 1.87 - 2.1 | 13 |
| Total Organic Carbon (mg/Kg) | 5100 | J | 92100 | | SO-CB-05-05 | 35 / 35 | 5880 - 10100 | 40164 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-169**
**SURFACE SOIL DATA HITS TABLE - STATION CB-05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-CB-05-01 | SO-CB-05-02 | SO-CB-05-03 | SO-CB-05-04 | SO-CB-05-05 | SO-CB-05-06 | SO-CB-05-07 | SO-CB-05-08 | SO-CB-05-09 | SO-CB-05-10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | |
| Aluminum | 6310 | 6100 | 5350 | 5360 | 6090 | 4820 | 4940 | 7240 | 5190 | 6290 |
| Antimony | 0.67 J | 0.65 U | 1.4 | 0.93 J | 1.6 | 0.75 J | 0.72 U | 1.2 J | 1.9 U | 1.9 U |
| Arsenic | 23.1 | 22.4 | 18.2 | 21 | 86.3 | 16.8 | 18.4 | 23.1 | 23.4 J | 47.55 J |
| Barium | 22.9 | 29.8 | 23.7 | 21.3 | 31.5 | 32.5 | 29.4 | 40.1 | 17.1 | 19.25 |
| Beryllium | 0.27 J | 0.3 J | 0.27 J | 0.27 J | 0.36 J | 0.27 J | 0.26 J | 0.38 J | 0.21 U | 0.22 U |
| Cadmium | 0.27 J | 0.42 J | 0.4 J | 0.35 J | 0.93 | 1.1 | 0.76 | 0.38 J | 0.22 J | 0.22 U |
| Calcium | 2170 | 1690 | 1370 | 1540 | 2170 | 4010 | 3600 | 2320 | 1240 | 1600 |
| Chromium | 13.4 | 21.1 | 211 | 36.2 | 152 | 16.9 | 33.2 | 29.6 | 14.3 | 35.2 |
| Cobalt | 6.6 | 5.7 | 5.1 | 4.2 | 9.5 | 5.1 | 5 | 5.3 | 3.7 | 6.2 |
| Copper | 27.9 | 34.7 | 39.6 | 31.4 | 82.9 | 28.1 | 26.5 | 33.7 | 38.2 | 58.6 |
| Iron | 11400 | 9850 | 11600 | 7870 | 14500 | 6690 | 7790 | 10500 | 9020 | 11850 |
| Lead | 28.9 | 33.1 | 56.2 | 31.3 | 90.9 | 41.6 | 38.4 | 69 | 50.2 | 63.8 |
| Magnesium | 3020 | 2540 | 2390 | 2300 | 1620 | 1870 | 1940 | 2420 | 2020 | 2480 |
| Manganese | 189 | 215 | 136 | 129 | 309 | 212 | 234 | 192 | 128 J | 194.5 J |
| Mercury | 0.08 J | 0.07 J | 0.12 | 0.12 | 0.6 | 0.08 J | 0.1 J | 0.18 | 0.13 | 0.26 |
| Nickel | 9.9 | 10 | 10.3 | 9.3 | 10.3 | 9.4 | 8.7 | 11.3 | 8.5 | 9.85 |
| Potassium | 884 | 1000 | 617 | 707 | 421 | 734 | 695 | 916 | 570 | 654 |
| Selenium | 0.66 UJ | 0.65 UJ | 0.65 UJ | 0.66 UJ | 1.2 J | 0.74 UJ | 0.72 UJ | 0.8 UJ | 0.83 UJ | 1.1 J |
| Sodium | 321 | 340 | 353 | 321 | 361 | 369 | 356 | 391 | 281 | 276.5 |
| Thallium | 1.3 J | 0.72 J | 0.65 U | 0.66 U | 0.71 U | 0.74 U | 0.72 U | 0.8 U | 1.8 J | 1.85 J |
| Vanadium | 23.5 | 20.1 | 17.2 | 19.2 | 34.9 | 18.6 | 19.1 | 27.4 | 20.7 | 26.5 |
| Zinc | 99.5 | 117 | 99.9 | 89.5 | 187 | 259 | 195 | 105 | 60.7 J | 84.1 J |
| TOC/TCO (mg/Kg) | | | | | | | | | | |
| Total Organic Carbon | 23400 | 29300 | 19700 | 42800 | 92100 | 80900 | 88800 | 82500 | 40200 | 46850 |

**TABLE 2-170**
**SURFACE SOIL DATA HITS TABLE - STATION DA**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DA-01 | SO-DA-02 | SO-DA-03 | SO-DA-04 | SO-DA-05 |
|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | |
| Aluminum | 5475 | 8180 | 10900 | 5160 | 5180 |
| Arsenic | 42.75 J | 21.8 J | 272 J | 54.6 J | 102 J |
| Barium | 18.85 | 20.4 | 90.6 | 11 | 35.6 |
| Beryllium | 0.21 U | 0.24 J | 0.53 | 0.24 U | 0.22 U |
| Cadmium | 0.345 J | 0.23 UJ | 4.6 J | 0.3 J | 1.4 J |
| Calcium | 882.5 | 611 | 4060 | 556 | 1750 |
| Chromium | 105.95 J | 32.6 J | 550 J | 85.7 J | 192 J |
| Cobalt | 4.2 | 4.5 | 25.7 | 2.8 | 7.9 |
| Copper | 113 J | 41.4 J | 320 J | 81.5 J | 170 J |
| Iron | 9240 | 13500 | 37000 | 10600 | 14000 |
| Lead | 143.6 J | 67.4 J | 274 J | 104 J | 82.1 J |
| Magnesium | 1625 | 2630 | 2560 | 1360 | 1440 |
| Manganese | 149.5 | 74.8 | 2850 | 58.1 | 824 |
| Mercury | 0.435 | 0.31 J | 3.4 | 0.7 | 1.1 |
| Nickel | 7.8 | 10.4 | 22.2 | 6.5 | 9.4 |
| Potassium | 445 | 415 | 487 | 300 | 321 |
| Selenium | 0.86 UJ | 1.2 J | 2 J | 1.2 J | 0.86 UJ |
| Silver | 0.21 U | 0.23 U | 0.28 J | 0.24 U | 0.22 U |
| Sodium | 278.5 | 272 | 559 | 329 | 351 |
| Thallium | 1.5 U | 1.6 J | 3.4 | 1.7 U | 1.5 U |
| Vanadium | 15.8 | 33.6 | 41.9 | 27.9 | 14.1 |
| Zinc | 113.5 | 53.1 | 843 | 58.1 | 305 |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | 13100 | 28700 | 31400 | 87000 | 17000 |

**TABLE 2-171**
**SURFACE SOIL DATA HITS TABLE - DAVIDSON PARK**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-01 | SO-DP-02 | SO-DP-03 | SO-DP-04 | SO-DP-05 | SO-DP-06 | SO-DP-07 | SO-DP-08 | SO-DP-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7700 J | 7560 J | 9920 J | 7840 J | 7720 J | 6865 J | 7490 J | 7240 J | 10600 J |
| Arsenic | 68.3 | 34.2 | 17.3 | 32.5 | 16.4 | 25.55 | 18.1 | 24.5 | 78.9 |
| Barium | 20.4 | 26.7 | 39.5 | 35.8 | 36.9 | 30.2 | 43.7 | 33.3 | 51.6 |
| Beryllium | R | R | R | R | R | R | R | R | R |
| Cadmium | 0.12 U | 0.12 U | 0.11 U | 0.11 U | 0.15 U | 0.15 UJ | 0.12 U | 0.11 U | 0.28 UJ |
| Calcium | 1140 J | 1340 J | 2400 J | 1730 J | 2620 J | 1970 J | 2540 J | 2070 J | 3090 J |
| Chromium | 24.4 J | 146 J | 56 J | 203 J | 89.7 J | 149.5 J | 126 J | 162 J | 133 J |
| Cobalt | 4.3 | 4.9 | 13.3 | 5.6 | 10 | 10.2 | 7.2 | 6.8 | 12.5 |
| Copper | 108 | 111 | 76.7 | 121 | 54.4 | 90.25 | 64.4 | 95.1 | 138 |
| Iron | 12000 J | 11000 J | 18000 J | 12100 J | 13400 J | 11200 J | 12000 J | 11800 J | 18500 J |
| Lead | 58.6 | 156 | 104 | 167 | 112 | 115 | 146 | 104 | 240 |
| Magnesium | 1880 | 1950 | 5020 | 2540 | 3310 | 2655 | 2570 | 2710 | 3170 |
| Manganese | 84.8 J | 84.8 J | 492 J | 101 J | 373 J | 204 J | 217 J | 143 J | 497 J |
| Mercury | 0.61 | 1.5 | 0.26 U | 1.2 | 0.57 | 1.5 | 0.92 | 1.2 | 1.4 |
| Nickel | 6.5 J | 10.1 J | 18.4 J | 12.2 J | 15.9 J | 14 J | 11.9 J | 12.6 J | 18.3 J |
| Potassium | 397 | 362 | 526 | 423 | 502 | 460 | 468 | 586 | 425 |
| Selenium | 0.94 U | 0.94 U | 0.89 U | 0.84 U | 1.5 | 1.065 J | 0.97 U | 0.94 J | 1.1 U |
| Silver | 0.61 J | 0.69 J | 0.76 J | 0.63 J | 0.73 J | 0.555 J | 0.58 J | 0.63 J | 1 J |
| Sodium | 129 UJ | 117 UJ | 189 UJ | 149 UJ | 268 UJ | 148 UJ | 146 UJ | 199 UJ | 257 UJ |
| Thallium | 1.9 U | 2.4 J | 1.8 U | 2.6 J | 2.3 U | 1.775 J | 1.9 U | 2 J | 2.3 U |
| Vanadium | 16.3 | 38.6 | 35.1 | 39.8 | 27.8 | 25.15 | 26.2 | 26 | 35.9 |
| Zinc | 109 | 187 | 196 | 203 | 178 | 305 | 251 | 246 | 434 |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | 4.38 | NA | NA | NA | NA | 5.695 | NA | NA | NA |
| Redox Potential | 6 J | NA | NA | NA | NA | 28.5 J | NA | NA | NA |
| Sulfide | 10.9 J | NA | NA | NA | NA | 19.35 J | NA | NA | NA |

**TABLE 2-171**
**SURFACE SOIL DATA HITS TABLE - DAVIDSON PARK**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-10 | SO-DP-11 | SO-DP-12 | SO-DP-13 | SO-DP-14 | SO-DP-15 | SO-DP-16 | SO-DP-17 | SO-DP-18 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7910 J | 8010 J | 10000 J | 5940 J | 7180 J | 6070 J | 8130 J | 6950 J | 6370 J |
| Arsenic | 24.1 | 29.9 | 43.4 | 32.3 | 17.6 | 8.5 | 13.6 | 11.9 | 10.4 |
| Barium | 40.2 | 44 | 48.3 | 69.1 | 51 | 20.3 | 37.7 J | 37 | 26.7 |
| Beryllium | R | R | R | 0.06 UJ | R | R | R | R | 0.05 U |
| Cadmium | 0.12 U | 0.15 U | 0.14 U | 0.12 U | 0.12 U | 0.1 U | 0.12 UJ | 0.12 U | 0.12 U |
| Calcium | 2380 J | 2490 J | 2070 J | 5740 J | 2100 J | 2390 J | 4330 J | 2340 J | 1470 |
| Chromium | 142 J | 111 J | 253 J | 223 J | 51.4 J | 25.2 J | 77.4 J | 60.9 J | 51.7 J |
| Cobalt | 7.9 | 9.1 | 8.3 | 4.8 | 5.6 | 5.7 | 6.4 | 5.4 | 4.7 |
| Copper | 83.6 | 99.9 | 139 | 51.8 | 31.3 | 20.8 | 55.8 | 35.1 | 26.5 |
| Iron | 12200 J | 15200 J | 15700 J | 8190 J | 9630 J | 9020 J | 134000 J | 9950 J | 8200 |
| Lead | 128 | 178 | 261 | 78.4 | 107 | 25 | 73.6 | 80.1 | 43.3 J |
| Magnesium | 2560 | 2850 | 2980 | 1810 | 2160 | 2980 | 2090 | 2520 | 1800 |
| Manganese | 237 J | 397 J | 221 J | 140 J | 167 J | 150 J | 334 J | 167 J | 136 |
| Mercury | 1.2 | 0.73 | 0.93 | 0.45 | 0.25 U | 0.13 U | 0.13 U | 0.48 | 0.67 |
| Nickel | 12.6 J | 15.6 J | 15.4 J | 8.8 J | 10.4 J | 8.1 J | 21 J | 10.3 J | 8.6 |
| Potassium | 386 | 276 | 335 | 225 | 280 | 543 | 588 | 602 | 234 |
| Selenium | 0.95 U | 1.7 J | 1.2 J | 1 J | 1.3 J | 0.81 U | 6.1 | 0.93 J | 1.2 J |
| Silver | 0.69 J | 1.3 | 1.1 | 0.45 J | 0.51 J | 0.41 J | R | 0.72 J | 0.48 J |
| Sodium | 206 UJ | 263 UJ | 173 UJ | 162 UJ | 157 UJ | 128 UJ | R | 182 UJ | 80.6 U |
| Thallium | 1.9 U | 2.7 J | 2.2 U | 2.9 J | 2.2 J | 1.6 U | 3.6 J | 2.1 J | 2 J |
| Vanadium | 27.4 | 42.5 | 58.1 | 22.7 | 30.6 | 16.8 | 21.3 J | 20.2 | 18.4 |
| Zinc | 238 | 263 | 237 | 222 | 111 | 55.8 | 44800 | 123 | 104 |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | 5.19 | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | 54 J | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | 10.3 J | NA | NA | NA | NA | NA | NA |

**TABLE 2-171**
**SURFACE SOIL DATA HITS TABLE - DAVIDSON PARK**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-19 | SO-DP-20 | SO-DP-21 | SO-DP-22 | SO-DP-23 | SO-DP-24 | SO-DP-25 | SO-DP-26 |
|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 8520 J | 7840 J | 7990 J | 8070 J | 7540 J | 6490 J | 8500 J | 10600 J |
| Arsenic | 19 | 6.05 J | 12.8 | 8.8 | 23.9 | 11.6 | 54.7 | 219 |
| Barium | 42.1 | 27.75 | 38.7 | 25.1 | 41.9 | 24.5 | 69.9 | 152.5 |
| Beryllium | R | 0.05 U | 0.06 U | 0.05 U | 0.06 U | 0.05 U | 0.07 U | 0.44 |
| Cadmium | 0.14 U | 0.12 U | 0.14 U | 0.12 U | 0.14 U | 0.13 U | 0.24 UJ | 0.6475 J |
| Calcium | 2740 J | 2095 | 2820 | 1810 | 2320 | 1790 | 4250 | 7240 |
| Chromium | 59.2 J | 30.4 J | 41 J | 27.8 J | 99.3 J | 48.4 J | 145 J | 316 J |
| Cobalt | 7.1 | 4.15 | 5.5 | 3.9 | 8.7 | 4.4 | 11.4 | 5.95 |
| Copper | 53.6 | 25.75 | 41.2 | 25.3 | 78.6 | 33.2 | 131 | 298.5 |
| Iron | 12400 J | 8755 | 12100 | 8990 | 13700 | 7890 | 20900 | 16850 |
| Lead | 127 | 42.65 J | 84.7 J | 43.7 J | 127 J | 47.5 J | 206 J | 229.5 J |
| Magnesium | 2590 | 1780 | 2080 | 1710 | 3010 | 1370 | 2840 | 2120 |
| Manganese | 383 J | 109.5 | 234 | 113 | 420 | 124 | 818 | 521.5 |
| Mercury | 0.45 | 0.22 J | 0.38 J | 0.2 UJ | 0.91 | 0.45 | 1.3 | 2.35 |
| Nickel | 12.7 J | 8.4 | 10.2 | 7.6 | 13.7 | 7.3 | 18.5 | 12.15 |
| Potassium | 424 | 255.5 | 325 | 354 | 429 | 190 | 755 | 457 |
| Selenium | 1.1 U | 0.96 U | 1.1 U | 0.9 U | 1.1 U | 1 U | 1.3 U | 2.5 UJ |
| Silver | 0.7 J | 0.42 J | 0.73 J | 0.42 U | 0.87 J | 0.56 J | 1.2 J | 0.685 J |
| Sodium | 171 UJ | 129 U | 163 U | 104 U | 139 U | 98 U | 241 U | 216 J |
| Thallium | 2.1 U | 1.9 U | 2.2 U | 1.8 U | 2.2 U | 2 U | 2.7 U | 2.2 U |
| Vanadium | 24.4 | 16.75 | 20.3 | 17.2 | 27.7 | 15.6 | 32.7 | 39.5 |
| Zinc | 190 | 76.75 | 141 | 81.2 | 249 | 131 | 474 | 415.5 |
| Wet Parameters (mg/Kg) | | | | | | | | |
| pH | 6.31 | NA | NA | 6.17 | NA | NA | NA | NA |
| Redox Potential | 2 J | NA | NA | 3 J | NA | NA | NA | NA |
| Sulfide | 12.4 J | NA | NA | 9.58 J | NA | NA | NA | NA |

**TABLE 2-172**
**SURFACE SOIL DATA HITS TABLE - STATION KFSO**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-KF-01 | SO-KF-02 | SO-KF-03 | SO-KF-04 | SO-KF-05 | SO-KF-06 | SO-KF-07 | SO-KF-08 | SO-KF-09 | SO-KF-10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | | |
| Aluminum | 5440 | 7290 | 6170 | 5100 | 7550 | 4090 | 5280 | 3840 | 6040 | 5240 |
| Arsenic | 40.9 | 52.7 | 46.5 | 38.4 | 54.55 | 26.7 | 36.4 | 19.9 | 46.4 | 34.5 |
| Barium | 61.3 | 73.4 | 59.4 | 50 | 77.05 | 29.9 | 43.4 | 27.3 | 49.4 | 38.7 |
| Beryllium | 0.36 | 0.48 | 0.39 | 0.36 | 0.485 J | 0.27 | 0.38 | 0.21 | 0.38 | 0.33 |
| Cadmium | 1.4 | 1.6 | 1.2 | 1.3 | 2.05 J | 0.44 U | 0.76 U | 0.45 U | 1.2 | 0.86 |
| Calcium | 3310 | 3550 | 3230 | 2640 | 3570 | 1990 | 2710 | 1620 | 3270 | 2380 |
| Chromium | 94.5 | 141 | 109 | 112 | 127.5 | 50 | 92.5 | 48.4 | 107 | 134 |
| Cobalt | 8.9 | 11.6 | 9.6 | 8.3 | 13.35 | 5.9 | 9.5 | 5.5 | 9.6 | 8 |
| Copper | 92.3 | 126 | 100 | 91.3 | 143.5 | 50.6 | 79.8 | 51.1 | 95.9 | 78.4 |
| Iron | 14900 | 19400 | 16800 | 13500 | 21800 | 10800 | 13500 | 9840 | 15300 | 13000 |
| Lead | 178 | 217 | 163 | 168 | 265.5 | 88.1 | 136 | 86.5 | 177 | 124 |
| Magnesium | 2180 | 2810 | 2450 | 1940 | 2880 | 1660 | 2050 | 1590 | 2270 | 1970 |
| Manganese | 716 | 821 | 722 | 560 | 1340 | 375 | 481 | 245 | 696 | 427 |
| Mercury | 0.58 J | 0.64 J | 0.66 J | 0.71 J | 0.855 J | 0.27 J | 0.74 J | 0.32 | 0.57 J | 0.53 J |
| Nickel | 9.9 | 14.2 | 17.5 | 9.4 | 17.75 | 5.6 | 7.7 | 13.4 | 9 | 13.6 |
| Potassium | 488 J | 511 J | 456 J | 371 J | 383.5 J | 254 J | 330 J | 343 | 390 J | 365 J |
| Selenium | 0.59 UJ | 0.6 UJ | 0.6 UJ | 0.6 UJ | 0.65 J | 0.58 UJ | 0.59 UJ | 0.6 UJ | 0.6 UJ | 0.87 J |
| Silver | 0.56 J | 0.73 J | 0.78 J | 0.56 J | .875 | 0.47 J | 0.55 J | 0.4 U | 0.65 J | 0.56 J |
| Sodium | 243 J | 193 J | 185 J | 151 U | 279 J | 183 J | 171 J | 150 U | 264 J | 152 U |
| Vanadium | 24.4 | 31.7 | 27.2 | 23.3 | 37.35 | 17.9 | 25.1 | 15.5 | 26.2 | 23.1 |
| Zinc | 362 | 454 | 419 | 344 | 489 | 228 | 256 | 181 J | 342 | 265 |
| TOC/TCO (mg/Kg) | | | | | | | | | | |
| Total Organic Carbon | 52200 | 62500 | 47900 | 41100 | 56950 | 29800 | 44900 | 12700 | 40200 | 32500 |

**TABLE 2-173**
**SURFACE SOIL DATA HITS TABLE - STATION NRSO**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-NR-16 | SO-NR-17 | SO-NR-18 | SO-NR-19 | SO-NR-20 |
|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | |
| Aluminum | 4850 | 4100 | 2890 | 2950 | 8250 |
| Arsenic | 126 | 84.8 | 40.7 | 39.6 | 266 |
| Barium | 44.6 | 32.1 | 16.8 | 20.4 | 74.2 |
| Beryllium | 0.3 | 0.35 | 0.15 U | 0.16 U | 0.56 |
| Cadmium | 1.2 | 0.69 U | 0.3 U | 0.42 U | 3 |
| Calcium | 2660 | 1430 | 1405 | 1090 | 4450 |
| Chromium | 108 | 70.2 | 43.15 | 40 | 228 |
| Cobalt | 6.3 | 4.8 | 2.95 | 3.1 | 12.8 |
| Copper | 105 | 72.8 | 40 | 38.6 | 228 |
| Iron | 18900 | 14200 | 7960 | 8120 | 36900 |
| Lead | 97.8 | 65.9 | 40.7 | 35.6 | 187 |
| Magnesium | 1770 | 1550 | 1070 | 1090 | 2700 |
| Manganese | 311 | 167 | 116 | 111 | 830 |
| Mercury | 0.83 | 0.45 | .41 | 0.38 | 2 |
| Nickel | 10.8 | 8.6 | 4.25 J | 4.9 U | 14.9 |
| Potassium | 393 | 376 | 236 | 267 | 548 |
| Selenium | 0.93 J | 0.68 J | 0.6 UJ | 0.6 UJ | 2.4 J |
| Silver | 1.2 | 0.75 J | 0.31 J | 0.51 J | 2.7 |
| Sodium | 602 | 352 | 202.5 J | 189 J | 348 |
| Vanadium | 17.1 | 14.2 | 8.75 | 9.1 | 31.8 |
| Zinc | 306 J | 207 J | 105 J | 124 J | 708 J |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | 35200 | 19100 | 7700 | 5100 J | 54900 |

**TABLE 2-174**
**SURFACE SOIL DATA HITS TABLE - STATION WSS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-SS-01 | SO-SS-02 | SO-SS-03 | SO-SS-04 | SO-SS-05 |
|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | |
| Aluminum | 6530 | 7300 | 9400 | 8330 | 8880 |
| Antimony | 1.8 UJ | 1.8 U | 1.8 U | 1.7 U | 0.76 J |
| Arsenic | 8.3 J | 8.65 | 10.9 | 8.1 | 8.7 J |
| Barium | 28.9 | 33.1 | 32.3 | 43.6 | 35.1 |
| Beryllium | 0.27 J | 0.18 J | 0.2 UJ | 0.2 J | 0.33 J |
| Cadmium | 0.2 UJ | 0.2 U | 0.31 J | 0.19 U | 0.37 J |
| Calcium | 1330 | 1835 | 2120 | 2240 | 2100 |
| Chromium | 9.6 J | 10.3 | 18.5 | 9.3 | 19.7 |
| Cobalt | 2.3 | 3.35 | 4 | 4.6 | 5.3 |
| Copper | 18.5 J | 33.8 J | 31 J | 32.1 J | 18.3 |
| Iron | 6600 | 8065 J | 10400 J | 10300 J | 10800 |
| Lead | 66.3 J | 63.15 | 93.3 | 55.5 | 61.1 J |
| Magnesium | 1360 | 1745 | 2270 | 2390 | 2280 |
| Manganese | 90.6 | 123 | 173 | 147 | 204 |
| Mercury | 0.13 J | 0.09 J | 0.09 J | 0.1 J | 0.1 J |
| Nickel | 6.7 | 7.1 | 9.7 | 7 | 9.6 |
| Potassium | 452 | 589.5 | 498 | 859 | 508 |
| Selenium | 0.81 U | 0.95 UJ | 1.4 UJ | 0.77 UJ | 0.76 J |
| Sodium | 267 | 277.5 J | 279 J | 310 J | 960 J |
| Thallium | 1.5 J | 1.4 U | 1.4 U | 1.3 U | 0.6 U |
| Vanadium | 13.1 | 14.2 | 24.3 | 18.1 | 23.9 |
| Zinc | 33.5 | 45.1 | 63.3 | 46.8 | 81.5 J |
| TOC/TCO (mg/Kg) | | | | | |
| Total Organic Carbon | 21800 | 26550 | 29800 | 24500 | 36600 |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-CB-05-01 | SO-CB-05-02 | SO-CB-05-03 | SO-CB-05-04 | SO-CB-05-05 | SO-CB-05-06 | SO-CB-05-07 | SO-CB-05-08 | SO-CB-05-09 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 6310 | 6100 | 5350 | 5360 | 6090 | 4820 | 4940 | 7240 | 5190 |
| Antimony | 0.67 J | 0.65 U | 1.4 | 0.93 J | 1.6 | 0.75 J | 0.72 U | 1.2 J | 1.9 U |
| Arsenic | 23.1 | 22.4 | 18.2 | 21 | 86.3 | 16.8 | 18.4 | 23.1 | 23.4 J |
| Barium | 22.9 | 29.8 | 23.7 | 21.3 | 31.5 | 32.5 | 29.4 | 40.1 | 17.1 |
| Beryllium | 0.27 J | 0.3 J | 0.27 J | 0.27 J | 0.36 J | 0.27 J | 0.26 J | 0.38 J | 0.21 U |
| Cadmium | 0.27 J | 0.42 J | 0.4 J | 0.35 J | 0.93 | 1.1 | 0.76 | 0.38 J | 0.22 J |
| Calcium | 2170 | 1690 | 1370 | 1540 | 2170 | 4010 | 3600 | 2320 | 1240 |
| Chromium | 13.4 | 21.1 | 211 | 36.2 | 152 | 16.9 | 33.2 | 29.6 | 14.3 |
| Cobalt | 6.6 | 5.7 | 5.1 | 4.2 | 9.5 | 5.1 | 5 | 5.3 | 3.7 |
| Copper | 27.9 | 34.7 | 39.6 | 31.4 | 82.9 | 28.1 | 26.5 | 33.7 | 38.2 |
| Iron | 11400 | 9850 | 11600 | 7870 | 14500 | 6690 | 7790 | 10500 | 9020 |
| Lead | 28.9 | 33.1 | 56.2 | 31.3 | 90.9 | 41.6 | 38.4 | 69 | 50.2 |
| Magnesium | 3020 | 2540 | 2390 | 2300 | 1620 | 1870 | 1940 | 2420 | 2020 |
| Manganese | 189 | 215 | 136 | 129 | 309 | 212 | 234 | 192 | 128 J |
| Mercury | 0.08 J | 0.07 J | 0.12 | 0.12 | 0.6 | 0.08 J | 0.1 J | 0.18 | 0.13 |
| Nickel | 9.9 | 10 | 10.3 | 9.3 | 10.3 | 9.4 | 8.7 | 11.3 | 8.5 |
| Potassium | 884 | 1000 | 617 | 707 | 421 | 734 | 695 | 916 | 570 |
| Selenium | 0.66 UJ | 0.65 UJ | 0.65 UJ | 0.66 UJ | 1.2 J | 0.74 UJ | 0.72 UJ | 0.8 UJ | 0.83 UJ |
| Silver | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.24 U | 0.25 U | 0.24 U | 0.27 U | 0.21 U |
| Sodium | 321 | 340 | 353 | 321 | 361 | 369 | 356 | 391 | 281 |
| Thallium | 1.3 J | 0.72 J | 0.65 U | 0.66 U | 0.71 U | 0.74 U | 0.72 U | 0.8 U | 1.8 J |
| Vanadium | 23.5 | 20.1 | 17.2 | 19.2 | 34.9 | 18.6 | 19.1 | 27.4 | 20.7 |
| Zinc | 99.5 | 117 | 99.9 | 89.5 | 187 | 259 | 195 | 105 | 60.7 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 23400 | 29300 | 19700 | 42800 | 92100 | 80900 | 88800 | 82500 | 40200 |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-CB-05-10 | SO-DA-01 | SO-DA-02 | SO-DA-03 | SO-DA-04 | SO-DA-05 | SO-DP-01 | SO-DP-02 | SO-DP-03 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 6290 | 5475 | 8180 | 10900 | 5160 | 5180 | 7700 J | 7560 J | 9920 J |
| Antimony | 1.9 U | 1.9 UJ | 2 UJ | 2.1 UJ | 2.2 UJ | 1.9 UJ | 2 U | 1.2 U | 1.1 U |
| Arsenic | 47.55 J | 42.75 J | 21.8 J | 272 J | 54.6 J | 102 J | 68.3 | 34.2 | 17.3 |
| Barium | 19.25 | 18.85 | 20.4 | 90.6 | 11 | 35.6 | 20.4 | 26.7 | 39.5 |
| Beryllium | 0.22 U | 0.21 U | 0.24 J | 0.53 | 0.24 U | 0.22 U | R | R | R |
| Cadmium | 0.22 U | 0.345 J | 0.23 UJ | 4.6 J | 0.3 J | 1.4 J | 0.12 U | 0.12 U | 0.11 U |
| Calcium | 1600 | 882.5 | 611 | 4060 | 556 | 1750 | 1140 J | 1340 J | 2400 J |
| Chromium | 35.2 | 105.95 J | 32.6 J | 550 J | 85.7 J | 192 J | 24.4 J | 146 J | 56 J |
| Cobalt | 6.2 | 4.2 | 4.5 | 25.7 | 2.8 | 7.9 | 4.3 | 4.9 | 13.3 |
| Copper | 58.6 | 113 J | 41.4 J | 320 J | 81.5 J | 170 J | 108 | 111 | 76.7 |
| Iron | 11850 | 9240 | 13500 | 37000 | 10600 | 14000 | 12000 J | 11000 J | 18000 J |
| Lead | 63.8 | 143.6 J | 67.4 J | 274 J | 104 J | 82.1 J | 58.6 | 156 | 104 |
| Magnesium | 2480 | 1625 | 2630 | 2560 | 1360 | 1440 | 1880 | 1950 | 5020 |
| Manganese | 194.5 J | 149.5 | 74.8 | 2850 | 58.1 | 824 | 84.8 J | 84.8 J | 492 J |
| Mercury | 0.26 | 0.435 | 0.31 J | 3.4 | 0.7 | 1.1 | 0.61 | 1.5 | 0.26 U |
| Nickel | 9.85 | 7.8 | 10.4 | 22.2 | 6.5 | 9.4 | 6.5 J | 10.1 J | 18.4 J |
| Potassium | 654 | 445 | 415 | 487 | 300 | 321 | 397 | 362 | 526 |
| Selenium | 1.1 J | 0.86 UJ | 1.2 J | 2 J | 1.2 J | 0.86 UJ | 0.94 U | 0.94 U | 0.89 U |
| Silver | 0.22 U | 0.21 U | 0.23 U | 0.28 J | 0.24 U | 0.22 U | 0.61 J | 0.69 J | 0.76 J |
| Sodium | 276.5 | 278.5 | 272 | 559 | 329 | 351 | 129 UJ | 117 UJ | 189 UJ |
| Thallium | 1.85 J | 1.5 U | 1.6 J | 3.4 | 1.7 U | 1.5 U | 1.9 U | 2.4 J | 1.8 U |
| Vanadium | 26.5 | 15.8 | 33.6 | 41.9 | 27.9 | 14.1 | 16.3 | 38.6 | 35.1 |
| Zinc | 84.1 J | 113.5 | 53.1 | 843 | 58.1 | 305 | 109 | 187 | 196 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 46850 | 13100 | 28700 | 31400 | 87000 | 17000 | NA | NA | NA |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | 4.38 | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | 6 J | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | 10.9 J | NA | NA |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-04 | SO-DP-05 | SO-DP-06 | SO-DP-07 | SO-DP-08 | SO-DP-09 | SO-DP-10 | SO-DP-11 | SO-DP-12 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7840 J | 7720 J | 6865 J | 7490 J | 7240 J | 10600 J | 7910 J | 8010 J | 10000 J |
| Antimony | 1.1 U | 1.5 U | 1.1 U | 1.2 U | 1.1 U | 1.4 U | 1.2 U | 1.4 U | 1.4 U |
| Arsenic | 32.5 | 16.4 | 25.55 | 18.1 | 24.5 | 78.9 | 24.1 | 29.9 | 43.4 |
| Barium | 35.8 | 36.9 | 30.2 | 43.7 | 33.3 | 51.6 | 40.2 | 44 | 48.3 |
| Beryllium | R | R | R | R | R | R | R | R | R |
| Cadmium | 0.11 U | 0.15 U | 0.15 UJ | 0.12 U | 0.11 U | 0.28 UJ | 0.12 U | 0.15 U | 0.14 U |
| Calcium | 1730 J | 2620 J | 1970 J | 2540 J | 2070 J | 3090 J | 2380 J | 2490 J | 2070 J |
| Chromium | 203 J | 89.7 J | 149.5 J | 126 J | 162 J | 133 J | 142 J | 111 J | 253 J |
| Cobalt | 5.6 | 10 | 10.2 | 7.2 | 6.8 | 12.5 | 7.9 | 9.1 | 8.3 |
| Copper | 121 | 54.4 | 90.25 | 64.4 | 95.1 | 138 | 83.6 | 99.9 | 139 |
| Iron | 12100 J | 13400 J | 11200 J | 12000 J | 11800 J | 18500 J | 12200 J | 15200 J | 15700 J |
| Lead | 167 | 112 | 115 | 146 | 104 | 240 | 128 | 178 | 261 |
| Magnesium | 2540 | 3310 | 2655 | 2570 | 2710 | 3170 | 2560 | 2850 | 2980 |
| Manganese | 101 J | 373 J | 204 J | 217 J | 143 J | 497 J | 237 J | 397 J | 221 J |
| Mercury | 1.2 | 0.57 | 1.5 | 0.92 | 1.2 | 1.4 | 1.2 | 0.73 | 0.93 |
| Nickel | 12.2 J | 15.9 J | 14 J | 11.9 J | 12.6 J | 18.3 J | 12.6 J | 15.6 J | 15.4 J |
| Potassium | 423 | 502 | 460 | 468 | 586 | 425 | 386 | 276 | 335 |
| Selenium | 0.84 U | 1.5 | 1.065 J | 0.97 U | 0.94 J | 1.1 U | 0.95 U | 1.7 J | 1.2 J |
| Silver | 0.63 J | 0.73 J | 0.555 J | 0.58 J | 0.63 J | 1 J | 0.69 J | 1.3 | 1.1 |
| Sodium | 149 UJ | 268 UJ | 148 UJ | 146 UJ | 199 UJ | 257 UJ | 206 UJ | 263 UJ | 173 UJ |
| Thallium | 2.6 J | 2.3 U | 1.775 J | 1.9 U | 2 J | 2.3 U | 1.9 U | 2.7 J | 2.2 U |
| Vanadium | 39.8 | 27.8 | 25.15 | 26.2 | 26 | 35.9 | 27.4 | 42.5 | 58.1 |
| Zinc | 203 | 178 | 305 | 251 | 246 | 434 | 238 | 263 | 237 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | 5.695 | NA | NA | NA | NA | NA | 5.19 |
| Redox Potential | NA | NA | 28.5 J | NA | NA | NA | NA | NA | 54 J |
| Sulfide | NA | NA | 19.35 J | NA | NA | NA | NA | NA | 10.3 J |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-13 | SO-DP-14 | SO-DP-15 | SO-DP-16 | SO-DP-17 | SO-DP-18 | SO-DP-19 | SO-DP-20 | SO-DP-21 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 5940 J | 7180 J | 6070 J | 8130 J | 6950 J | 6370 J | 8520 J | 7840 J | 7990 J |
| Antimony | 1.2 U | 1.1 U | 1 U | 1.2 U | 1.2 U | 1.2 U | 1.3 U | 1.2 U | 1.4 U |
| Arsenic | 32.3 | 17.6 | 8.5 | 13.6 | 11.9 | 10.4 | 19 | 6.05 J | 12.8 |
| Barium | 69.1 | 51 | 20.3 | 37.7 J | 37 | 26.7 | 42.1 | 27.75 | 38.7 |
| Beryllium | 0.06 UJ | R | R | R | R | 0.05 U | R | 0.05 U | 0.06 U |
| Cadmium | 0.12 U | 0.12 U | 0.1 U | 0.12 UJ | 0.12 U | 0.12 U | 0.14 U | 0.12 U | 0.14 U |
| Calcium | 5740 J | 2100 J | 2390 J | 4330 J | 2340 J | 1470 | 2740 J | 2095 | 2820 |
| Chromium | 223 J | 51.4 J | 25.2 J | 77.4 J | 60.9 J | 51.7 J | 59.2 J | 30.4 J | 41 J |
| Cobalt | 4.8 | 5.6 | 5.7 | 6.4 | 5.4 | 4.7 | 7.1 | 4.15 | 5.5 |
| Copper | 51.8 | 31.3 | 20.8 | 55.8 | 35.1 | 26.5 | 53.6 | 25.75 | 41.2 |
| Iron | 8190 J | 9630 J | 9020 J | 134000 J | 9950 J | 8200 | 12400 J | 8755 | 12100 |
| Lead | 78.4 | 107 | 25 | 73.6 | 80.1 | 43.3 J | 127 | 42.65 J | 84.7 J |
| Magnesium | 1810 | 2160 | 2980 | 2090 | 2520 | 1800 | 2590 | 1780 | 2080 |
| Manganese | 140 J | 167 J | 150 J | 334 J | 167 J | 136 | 383 J | 109.5 | 234 |
| Mercury | 0.45 | 0.25 U | 0.13 U | 0.13 U | 0.48 | 0.67 | 0.45 | 0.22 J | 0.38 J |
| Nickel | 8.8 J | 10.4 J | 8.1 J | 21 J | 10.3 J | 8.6 | 12.7 J | 8.4 | 10.2 |
| Potassium | 225 | 280 | 543 | 588 | 602 | 234 | 424 | 255.5 | 325 |
| Selenium | 1 J | 1.3 J | 0.81 U | 6.1 | 0.93 J | 1.2 J | 1.1 U | 0.96 U | 1.1 U |
| Silver | 0.45 J | 0.51 J | 0.41 J | R | 0.72 J | 0.48 J | 0.7 J | 0.42 J | 0.73 J |
| Sodium | 162 UJ | 157 UJ | 128 UJ | R | 182 UJ | 80.6 U | 171 UJ | 129 U | 163 U |
| Thallium | 2.9 J | 2.2 J | 1.6 U | 3.6 J | 2.1 J | 2 J | 2.1 U | 1.9 U | 2.2 U |
| Vanadium | 22.7 | 30.6 | 16.8 | 21.3 J | 20.2 | 18.4 | 24.4 | 16.75 | 20.3 |
| Zinc | 222 | 111 | 55.8 | 44800 | 123 | 104 | 190 | 76.75 | 141 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | 6.31 | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | 2 J | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | 12.4 J | NA | NA |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-DP-22 | SO-DP-23 | SO-DP-24 | SO-DP-25 | SO-DP-26 | SO-KF-01 | SO-KF-02 | SO-KF-03 | SO-KF-04 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 8070 J | 7540 J | 6490 J | 8500 J | 10600 J | 5440 | 7290 | 6170 | 5100 |
| Antimony | 1.1 U | 1.4 U | 1.3 U | 3.3 UJ | 2.9 U | 1.7 U | 1.7 U | 1.8 U | 1.7 U |
| Arsenic | 8.8 | 23.9 | 11.6 | 54.7 | 219 | 40.9 | 52.7 | 46.5 | 38.4 |
| Barium | 25.1 | 41.9 | 24.5 | 69.9 | 152.5 | 61.3 | 73.4 | 59.4 | 50 |
| Beryllium | 0.05 U | 0.06 U | 0.05 U | 0.07 U | 0.44 | 0.36 | 0.48 | 0.39 | 0.36 |
| Cadmium | 0.12 U | 0.14 U | 0.13 U | 0.24 UJ | 0.6475 J | 1.4 | 1.6 | 1.2 | 1.3 |
| Calcium | 1810 | 2320 | 1790 | 4250 | 7240 | 3310 | 3550 | 3230 | 2640 |
| Chromium | 27.8 J | 99.3 J | 48.4 J | 145 J | 316 J | 94.5 | 141 | 109 | 112 |
| Cobalt | 3.9 | 8.7 | 4.4 | 11.4 | 5.95 | 8.9 | 11.6 | 9.6 | 8.3 |
| Copper | 25.3 | 78.6 | 33.2 | 131 | 298.5 | 92.3 | 126 | 100 | 91.3 |
| Iron | 8990 | 13700 | 7890 | 20900 | 16850 | 14900 | 19400 | 16800 | 13500 |
| Lead | 43.7 J | 127 J | 47.5 J | 206 J | 229.5 J | 178 | 217 | 163 | 168 |
| Magnesium | 1710 | 3010 | 1370 | 2840 | 2120 | 2180 | 2810 | 2450 | 1940 |
| Manganese | 113 | 420 | 124 | 818 | 521.5 | 716 | 821 | 722 | 560 |
| Mercury | 0.2 UJ | 0.91 | 0.45 | 1.3 | 2.35 | 0.58 J | 0.64 J | 0.66 J | 0.71 J |
| Nickel | 7.6 | 13.7 | 7.3 | 18.5 | 12.15 | 9.9 | 14.2 | 17.5 | 9.4 |
| Potassium | 354 | 429 | 190 | 755 | 457 | 488 J | 511 J | 456 J | 371 J |
| Selenium | 0.9 U | 1.1 U | 1 U | 1.3 U | 2.5 UJ | 0.59 UJ | 0.6 UJ | 0.6 UJ | 0.6 UJ |
| Silver | 0.42 U | 0.87 J | 0.56 J | 1.2 J | 0.685 J | 0.56 J | 0.73 J | 0.78 J | 0.56 J |
| Sodium | 104 U | 139 U | 98 U | 241 U | 216 J | 243 J | 193 J | 185 J | 151 U |
| Thallium | 1.8 U | 2.2 U | 2 U | 2.7 U | 2.2 U | 1.7 U | 1.8 U | 1.8 U | 1.8 U |
| Vanadium | 17.2 | 27.7 | 15.6 | 32.7 | 39.5 | 24.4 | 31.7 | 27.2 | 23.3 |
| Zinc | 81.2 | 249 | 131 | 474 | 415.5 | 362 | 454 | 419 | 344 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | NA | NA | NA | NA | NA | 52200 | 62500 | 47900 | 41100 |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | 6.17 | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | 3 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | 9.58 J | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-KF-05 | SO-KF-06 | SO-KF-07 | SO-KF-08 | SO-KF-09 | SO-KF-10 | SO-NR-16 | SO-NR-17 | SO-NR-18 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 7550 | 4090 | 5280 | 3840 | 6040 | 5240 | 4850 | 4100 | 2890 |
| Antimony | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Arsenic | 54.55 | 26.7 | 36.4 | 19.9 | 46.4 | 34.5 | 126 | 84.8 | 40.7 |
| Barium | 77.05 | 29.9 | 43.4 | 27.3 | 49.4 | 38.7 | 44.6 | 32.1 | 16.8 |
| Beryllium | 0.485 J | 0.27 | 0.38 | 0.21 | 0.38 | 0.33 | 0.3 | 0.35 | 0.15 U |
| Cadmium | 2.05 J | 0.44 U | 0.76 U | 0.45 U | 1.2 | 0.86 | 1.2 | 0.69 U | 0.3 U |
| Calcium | 3570 | 1990 | 2710 | 1620 | 3270 | 2380 | 2660 | 1430 | 1405 |
| Chromium | 127.5 | 50 | 92.5 | 48.4 | 107 | 134 | 108 | 70.2 | 43.15 |
| Cobalt | 13.35 | 5.9 | 9.5 | 5.5 | 9.6 | 8 | 6.3 | 4.8 | 2.95 |
| Copper | 143.5 | 50.6 | 79.8 | 51.1 | 95.9 | 78.4 | 105 | 72.8 | 40 |
| Iron | 21800 | 10800 | 13500 | 9840 | 15300 | 13000 | 18900 | 14200 | 7960 |
| Lead | 265.5 | 88.1 | 136 | 86.5 | 177 | 124 | 97.8 | 65.9 | 40.7 |
| Magnesium | 2880 | 1660 | 2050 | 1590 | 2270 | 1970 | 1770 | 1550 | 1070 |
| Manganese | 1340 | 375 | 481 | 245 | 696 | 427 | 311 | 167 | 116 |
| Mercury | 0.855 J | 0.27 J | 0.74 J | 0.32 | 0.57 J | 0.53 J | 0.83 | 0.45 | .41 |
| Nickel | 17.75 | 5.6 | 7.7 | 13.4 | 9 | 13.6 | 10.8 | 8.6 | 4.25 J |
| Potassium | 383.5 J | 254 J | 330 J | 343 | 390 J | 365 J | 393 | 376 | 236 |
| Selenium | 0.65 J | 0.58 UJ | 0.59 UJ | 0.6 UJ | 0.6 UJ | 0.87 J | 0.93 J | 0.68 J | 0.6 UJ |
| Silver | .875 | 0.47 J | 0.55 J | 0.4 U | 0.65 J | 0.56 J | 1.2 | 0.75 J | 0.31 J |
| Sodium | 279 J | 183 J | 171 J | 150 U | 264 J | 152 U | 602 | 352 | 202.5 J |
| Thallium | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Vanadium | 37.35 | 17.9 | 25.1 | 15.5 | 26.2 | 23.1 | 17.1 | 14.2 | 8.75 |
| Zinc | 489 | 228 | 256 | 181 J | 342 | 265 | 306 J | 207 J | 105 J |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 56950 | 29800 | 44900 | 12700 | 40200 | 32500 | 35200 | 19100 | 7700 |
| Wet Parameters (mg/Kg) | | | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-175**
**SURFACE SOIL DATA HITS TABLE - ALL LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-NR-19 | SO-NR-20 | SO-SS-01 | SO-SS-02 | SO-SS-03 | SO-SS-04 | SO-SS-05 |
|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | |
| Aluminum | 2950 | 8250 | 6530 | 7300 | 9400 | 8330 | 8880 |
| Antimony | 1.7 U | 2 U | 1.8 UJ | 1.8 U | 1.8 U | 1.7 U | 0.76 J |
| Arsenic | 39.6 | 266 | 8.3 J | 8.65 | 10.9 | 8.1 | 8.7 J |
| Barium | 20.4 | 74.2 | 28.9 | 33.1 | 32.3 | 43.6 | 35.1 |
| Beryllium | 0.16 U | 0.56 | 0.27 J | 0.18 J | 0.2 UJ | 0.2 J | 0.33 J |
| Cadmium | 0.42 U | 3 | 0.2 UJ | 0.2 U | 0.31 J | 0.19 U | 0.37 J |
| Calcium | 1090 | 4450 | 1330 | 1835 | 2120 | 2240 | 2100 |
| Chromium | 40 | 228 | 9.6 J | 10.3 | 18.5 | 9.3 | 19.7 |
| Cobalt | 3.1 | 12.8 | 2.3 | 3.35 | 4 | 4.6 | 5.3 |
| Copper | 38.6 | 228 | 18.5 J | 33.8 J | 31 J | 32.1 J | 18.3 |
| Iron | 8120 | 36900 | 6600 | 8065 J | 10400 J | 10300 J | 10800 |
| Lead | 35.6 | 187 | 66.3 J | 63.15 | 93.3 | 55.5 | 61.1 J |
| Magnesium | 1090 | 2700 | 1360 | 1745 | 2270 | 2390 | 2280 |
| Manganese | 111 | 830 | 90.6 | 123 | 173 | 147 | 204 |
| Mercury | 0.38 | 2 | 0.13 J | 0.09 J | 0.09 J | 0.1 J | 0.1 J |
| Nickel | 4.9 U | 14.9 | 6.7 | 7.1 | 9.7 | 7 | 9.6 |
| Potassium | 267 | 548 | 452 | 589.5 | 498 | 859 | 508 |
| Selenium | 0.6 UJ | 2.4 J | 0.81 U | 0.95 UJ | 1.4 UJ | 0.77 UJ | 0.76 J |
| Silver | 0.51 J | 2.7 | 0.2 U | 0.2 U | 0.2 U | 0.19 U | 0.2 U |
| Sodium | 189 J | 348 | 267 | 277.5 J | 279 J | 310 J | 960 J |
| Thallium | 1.8 U | 2 U | 1.5 J | 1.4 U | 1.4 U | 1.3 U | 0.6 U |
| Vanadium | 9.1 | 31.8 | 13.1 | 14.2 | 24.3 | 18.1 | 23.9 |
| Zinc | 124 J | 708 J | 33.5 | 45.1 | 63.3 | 46.8 | 81.5 J |
| TOC/TCO (mg/Kg) | | | | | | | |
| Total Organic Carbon | 5100 J | 54900 | 21800 | 26550 | 29800 | 24500 | 36600 |
| Wet Parameters (mg/Kg) | | | | | | | |
| pH | NA | NA | NA | NA | NA | NA | NA |
| Redox Potential | NA | NA | NA | NA | NA | NA | NA |
| Sulfide | NA | NA | NA | NA | NA | NA | NA |

**TABLE 2-176**
**CRAYFISH TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 0.63 | J | 0.94 | J | CF-RB-03 | 2 / 2 | N/A | 0.79 |
| 4,4'-DDE | 4 | | 5.3 | | CF-RB-03 | 2 / 2 | N/A | 4.7 |
| 4,4'-DDT | | | | | | 0 / 2 | 0.98 | 0.49 |
| Aldrin | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| alpha-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| alpha-Chlordane | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Aroclor-1016 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 2 | 9.9 | 5.0 |
| Aroclor-1232 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1254 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1260 | 5.1 | | 5.2 | | CF-RB-03 | 2 / 2 | N/A | 5.2 |
| beta-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| delta-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Dieldrin | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endosulfan I | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Endosulfan II | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endosulfan sulfate | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin aldehyde | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin ketone | | | | | | 0 / 2 | 0.98 | 0.49 |
| gamma-BHC (lindane) | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Heptachlor | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Methoxychlor | | | | | | 0 / 2 | 5 - 5.1 | 2.5 |
| Toxaphene | | | | | | 0 / 2 | 50 - 51 | 25 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 9.4 | J | 10.1 | J | CF-RB-03 | 2 / 2 | N/A | 9.8 |
| Antimony | | | | | | 0 / 1 | 0.096 | 0.048 |
| Arsenic | | | | | | 0 / 2 | 0.36 - 0.41 | 0.19 |
| Barium | 12.5 | | 18.3 | | CF-RB-02 | 2 / 2 | N/A | 15 |
| Beryllium | | | | | | 0 / 2 | 0.00869 - 0.0089 | 0.0044 |
| Cadmium | 0.07 | J | 0.09 | J | CF-RB-03 | 2 / 2 | N/A | 0.080 |
| Calcium | 27300 | | 43300 | | CF-RB-02 | 2 / 2 | N/A | 35300 |
| Chromium | 0.18 | J | 0.18 | J | CF-RB-03 | 1 / 1 | N/A | 0.18 |
| Cobalt | 0.4 | J | 0.44 | J | CF-RB-03 | 2 / 2 | N/A | 0.42 |
| Copper | 19.2 | J | 21 | J | CF-RB-03 | 2 / 2 | N/A | 20 |
| Cyanide | | | | | | 0 / 2 | 0.43 - 0.44 | 0.22 |
| Iron | 54.7 | | 78 | | CF-RB-03 | 2 / 2 | N/A | 66 |
| Lead | | | | | | 0 / 2 | 0.066 - 0.067 | 0.033 |
| Magnesium | | | | | | 0 / 2 | 372 - 443 | 204 |
| Manganese | 104 | J | 108 | J | CF-RB-02 | 2 / 2 | N/A | 106 |
| Mercury | | | | | | 0 / 2 | 0.01 - 0.012 | 0.0055 |
| Nickel | | | | | | 0 / 1 | 0.32 | 0.16 |
| Potassium | 2200 | | 2220 | | CF-RB-03 | 2 / 2 | N/A | 2210 |
| Selenium | 0.24 | J | 0.24 | J | CF-RB-03 | 1 / 2 | 0.16 | 0.16 |
| Silver | 0.21 | J | 0.21 | J | CF-RB-03 | 1 / 2 | 0.2 | 0.16 |
| Sodium | | | | | | 0 / 2 | 1860 - 2030 | 973 |
| Thallium | | | | | | 0 / 2 | 0.13 | 0.065 |
| Zinc | 18 | J | 18.3 | J | CF-RB-02 | 2 / 2 | N/A | 18 |
| PERCENT LIPIDS | 0.8 | | 1.3 | | CF-RB-03 | 2 / 2 | N/A | 1.1 |
| % MOISTURE | 75 | | 76.8 | | CF-RB-03 | 2 / 2 | N/A | 76 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-177**
**CRAYFISH TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter<br>Reach<br>Species | CF-RB-02<br>Shawsheen River<br>crayfish | CF-RB-03<br>Shawsheen River<br>crayfish |
|---|---|---|
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 0.63 J | 0.94 J |
| 4,4'-DDE | 4 | 5.3 |
| Aroclor-1260 | 5.1 | 5.2 |
| Metals (mg/Kg) | | |
| Aluminum | 9.4 J | 10.1 J |
| Barium | 18.3 | 12.5 |
| Cadmium | 0.07 J | 0.09 J |
| Calcium | 43300 | 27300 |
| Chromium | R | 0.18 J |
| Cobalt | 0.4 J | 0.44 J |
| Copper | 19.2 J | 21 J |
| Iron | 54.7 | 78 |
| Manganese | 108 J | 104 J |
| Potassium | 2200 | 2220 |
| Selenium | 0.16 UJ | 0.24 J |
| Silver | 0.2 UJ | 0.21 J |
| Zinc | 18.3 J | 18 J |
| PERCENT LIPIDS | 0.8 | 1.3 |
| % MOISTURE | 75 | 76.8 |

**TABLE 2-178**
**CRAYFISH TISSUE DATA SUMMARY - REACH 1**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 2 | 0.98 - 1.6 | 0.65 |
| 4,4'-DDE | | | | | | 0 / 2 | 1.7 - 2.2 | 0.98 |
| 4,4'-DDT | 0.85 | J | 1.3 | | CF-RV-07 | 2 / 2 | N/A | 1.1 |
| Aldrin | 0.3 | J | 0.31 | J | CF-RV-07 | 2 / 2 | N/A | 0.31 |
| alpha-BHC | | | | | | 0 / 2 | 0.51 | 0.26 |
| alpha-Chlordane | | | | | | 0 / 2 | 1.1 - 1.4 | 0.63 |
| Aroclor-1016 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 2 | 9.9 | 5.0 |
| Aroclor-1232 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1254 | 15 | | 24 | | CF-RV-07 | 2 / 2 | N/A | 20 |
| Aroclor-1260 | 15 | | 28 | | CF-RV-07 | 2 / 2 | N/A | 22 |
| beta-BHC | | | | | | 0 / 2 | 0.51 | 0.26 |
| delta-BHC | | | | | | 0 / 2 | 0.51 | 0.26 |
| Dieldrin | 0.81 | J | 0.88 | J | CF-RV-06 | 2 / 2 | N/A | 0.85 |
| Endosulfan I | | | | | | 0 / 2 | 1.1 - 1.4 | 0.63 |
| Endosulfan II | | | | | | 0 / 2 | 0.98 - 1 | 0.50 |
| Endosulfan sulfate | 1.4 | | 1.4 | | CF-RV-07 | 1 / 2 | 0.98 | 0.95 |
| Endrin | | | | | | 0 / 2 | 0.98 - 1.1 | 0.52 |
| Endrin aldehyde | 1.5 | | 2.9 | | CF-RV-07 | 2 / 2 | N/A | 2.2 |
| Endrin ketone | | | | | | 0 / 2 | 0.98 | 0.49 |
| gamma-BHC (lindane) | 0.24 | J | 0.39 | J | CF-RV-07 | 2 / 2 | N/A | 0.32 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.51 | 0.26 |
| Heptachlor | | | | | | 0 / 2 | 0.51 | 0.26 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.51 | 0.26 |
| Methoxychlor | | | | | | 0 / 2 | 5.1 | 2.6 |
| Toxaphene | | | | | | 0 / 2 | 51 | 26 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 46.7 | J | 49.1 | J | CF-RV-06 | 2 / 2 | N/A | 48 |
| Antimony | | | | | | 0 / 2 | 0.099 - 0.1 | 0.050 |
| Arsenic | 3.1 | J | 4.4 | J | CF-RV-07 | 2 / 2 | N/A | 3.8 |
| Barium | | | | | | 0 / 2 | 14 - 21.2 | 8.8 |
| Beryllium | | | | | | 0 / 2 | 0.012 | 0.0060 |
| Cadmium | 0.05 | J | 0.064 | J | CF-RV-07 | 2 / 2 | N/A | 0.057 |
| Calcium | 26300 | J | 26300 | J | CF-RV-07 | 1 / 2 | 20000 | 18150 |
| Chromium | 0.79 | J | 1 | J | CF-RV-07 | 2 / 2 | N/A | 0.90 |
| Cobalt | 0.41 | J | 0.56 | J | CF-RV-07 | 2 / 2 | N/A | 0.49 |
| Copper | 49.1 | J | 59.6 | J | CF-RV-07 | 2 / 2 | N/A | 54 |
| Cyanide | | | | | | 0 / 2 | 0.48 - 0.59 | 0.27 |
| Iron | 510 | J | 645 | J | CF-RV-07 | 2 / 2 | N/A | 578 |
| Lead | 0.48 | J | 0.55 | J | CF-RV-07 | 2 / 2 | N/A | 0.52 |
| Magnesium | | | | | | 0 / 2 | 277 - 333 | 153 |
| Manganese | 65.4 | J | 112 | J | CF-RV-07 | 2 / 2 | N/A | 89 |
| Mercury | | | | | | 0 / 2 | 0.016 - 0.02 | 0.0090 |
| Nickel | | | | | | 0 / 2 | 0.13 - 0.14 | 0.068 |
| Potassium | 2070 | J | 2160 | J | CF-RV-07 | 2 / 2 | N/A | 2115 |
| Selenium | 0.31 | J | 0.35 | J | CF-RV-06 | 2 / 2 | N/A | 0.33 |
| Silver | 0.056 | J | 0.056 | J | CF-RV-07 | 1 / 2 | 0.036 | 0.037 |
| Sodium | | | | | | 0 / 2 | 1840 - 1960 | 950 |
| Thallium | | | | | | 0 / 2 | 0.13 - 0.14 | 0.068 |
| Vanadium | | | | | | 0 / 2 | 0.26 - 0.29 | 0.14 |
| Zinc | 28.4 | J | 29.1 | J | CF-RV-06 | 2 / 2 | N/A | 29 |
| PERCENT LIPIDS | 0.6 | | 0.9 | | CF-RV-07 | 2 / 2 | N/A | 0.75 |
| % MOISTURE | 76 | | 76.7 | | CF-RV-07 | 2 / 2 | N/A | 76 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-179**
**CRAYFISH TISSUE DATA SUMMARY - REACH 2**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.8 | J | 3.8 | J | CF-RV-04 | 2 / 2 | N/A | 3.3 |
| 4,4'-DDE | 7.8 | J | 8.2 | J | CF-RV-04 | 2 / 2 | N/A | 8.0 |
| 4,4'-DDT | 1 | J | 1.1 | J | CF-RV-03 | 2 / 2 | N/A | 1.1 |
| Aldrin | 0.25 | J | 0.29 | J | CF-RV-03 | 2 / 2 | N/A | 0.27 |
| alpha-BHC | | | | | | 0 / 2 | 0.5 | 0.25 |
| alpha-Chlordane | 0.52 | J | 0.72 | J | CF-RV-04 | 2 / 2 | N/A | 0.62 |
| Aroclor-1016 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 2 | 9.9 | 5.0 |
| Aroclor-1232 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1254 | 21 | J | 23 | J | CF-RV-04 | 2 / 2 | N/A | 22 |
| Aroclor-1260 | 41 | J | 41 | J | CF-RV-03 | 2 / 2 | N/A | 41 |
| beta-BHC | | | | | | 0 / 2 | 0.5 | 0.25 |
| delta-BHC | | | | | | 0 / 2 | 0.5 | 0.25 |
| Dieldrin | 1.9 | J | 2.4 | J | CF-RV-04 | 2 / 2 | N/A | 2.2 |
| Endosulfan I | | | | | | 0 / 2 | 0.5 | 0.25 |
| Endosulfan II | | | | | | 0 / 2 | 0.98 - 2 | 0.75 |
| Endosulfan sulfate | 0.54 | J | 0.89 | J | CF-RV-04 | 2 / 2 | N/A | 0.72 |
| Endrin | 1.4 | J | 1.7 | J | CF-RV-04 | 2 / 2 | N/A | 1.6 |
| Endrin aldehyde | 2.8 | J | 3.1 | J | CF-RV-04 | 2 / 2 | N/A | 3.0 |
| Endrin ketone | | | | | | 0 / 2 | 0.98 | 0.49 |
| gamma-BHC (lindane) | | | | | | 0 / 2 | 0.5 | 0.25 |
| gamma-Chlordane | 0.25 | J | 0.25 | J | CF-RV-03 | 1 / 2 | 0.5 | 0.25 |
| Heptachlor | | | | | | 0 / 2 | 0.5 | 0.25 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.5 | 0.25 |
| Methoxychlor | | | | | | 0 / 2 | 5 | 2.5 |
| Toxaphene | | | | | | 0 / 2 | 50 | 25 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 47.8 | J | 57.6 | J | CF-RV-03 | 2 / 2 | N/A | 53 |
| Antimony | | | | | | 0 / 1 | 0.11 | 0.055 |
| Arsenic | 2.7 | J | 2.7 | J | CF-RV-03 | 2 / 2 | N/A | 2.7 |
| Barium | | | | | | 0 / 2 | 19.1 - 20.8 | 10 |
| Beryllium | | | | | | 0 / 2 | 0.013 | 0.0065 |
| Cadmium | 0.061 | J | 0.16 | J | CF-RV-03 | 2 / 2 | N/A | 0.11 |
| Calcium | 25500 | J | 25600 | J | CF-RV-04 | 2 / 2 | N/A | 25550 |
| Chromium | 1.9 | J | 2.5 | J | CF-RV-03 | 2 / 2 | N/A | 2.2 |
| Cobalt | 0.43 | J | 0.65 | J | CF-RV-03 | 2 / 2 | N/A | 0.54 |
| Copper | 59.4 | J | 65.1 | J | CF-RV-04 | 2 / 2 | N/A | 62 |
| Cyanide | | | | | | 0 / 2 | 0.44 - 0.46 | 0.23 |
| Iron | 315 | J | 370 | J | CF-RV-04 | 2 / 2 | N/A | 343 |
| Lead | 0.94 | J | 1 | J | CF-RV-03 | 2 / 2 | N/A | 0.97 |
| Magnesium | | | | | | 0 / 2 | 330 - 334 | 166 |
| Manganese | 105 | J | 135 | J | CF-RV-03 | 2 / 2 | N/A | 120 |
| Mercury | 0.02 | J | 0.02 | J | CF-RV-03 | 1 / 2 | 0.016 | 0.014 |
| Nickel | | | | | | 0 / 2 | 0.16 - 0.25 | 0.10 |
| Potassium | 2010 | J | 2050 | J | CF-RV-04 | 2 / 2 | N/A | 2030 |
| Selenium | 0.28 | J | 0.51 | J | CF-RV-04 | 2 / 2 | N/A | 0.40 |
| Silver | | | | | | 0 / 2 | 0.039 | 0.020 |
| Sodium | | | | | | 0 / 2 | 1640 - 1850 | 873 |
| Thallium | 0.19 | | 0.19 | | CF-RV-04 | 1 / 2 | 0.15 | 0.13 |
| Vanadium | | | | | | 0 / 2 | 0.29 - 0.34 | 0.16 |
| Zinc | 27.5 | J | 28 | J | CF-RV-03 | 2 / 2 | N/A | 28 |
| PERCENT LIPIDS | 0.7 | | 0.9 | | CF-RV-04 | 2 / 2 | N/A | 0.80 |
| % MOISTURE | 75.9 | | 78.4 | | CF-RV-03 | 2 / 2 | N/A | 77 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-180**
**CRAYFISH TISSUE DATA SUMMARY - REACH 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.2 | J | 4.1 | | CF-RV-01 | 3 / 3 | N/A | 3.3 |
| 4,4'-DDE | 4.9 | | 7 | | CF-RV-01 | 3 / 3 | N/A | 5.8 |
| 4,4'-DDT | 1 | J | 2.2 | J | CF-RV-01 | 3 / 3 | N/A | 1.4 |
| Aldrin | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| alpha-BHC | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| alpha-Chlordane | 1.2 | | 1.8 | | CF-LK-01 | 3 / 3 | N/A | 1.4 |
| Aroclor-1016 | | | | | | 0 / 3 | 4.9 - 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 3 | 5 - 9.9 | 4.1 |
| Aroclor-1232 | | | | | | 0 / 3 | 4.9 - 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 3 | 4.9 - 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 3 | 4.9 - 5 | 2.5 |
| Aroclor-1254 | 12 | J | 14 | J | CF-LK-01 | 2 / 3 | 5 | 10 |
| Aroclor-1260 | 15 | | 31 | | CF-RV-01 | 3 / 3 | N/A | 24 |
| beta-BHC | | | | | | 0 / 3 | 0.5 - 0.7 | 0.29 |
| delta-BHC | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| Dieldrin | 1.3 | J | 1.6 | J | CF-LK-01 | 3 / 3 | N/A | 1.5 |
| Endosulfan I | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| Endosulfan II | | | | | | 0 / 3 | 0.98 - 0.99 | 0.49 |
| Endosulfan sulfate | 1.1 | J | 1.1 | J | CF-RV-01 | 1 / 3 | 0.98 | 0.69 |
| Endrin | | | | | | 0 / 3 | 0.98 - 0.99 | 0.49 |
| Endrin aldehyde | 0.61 | J | 2.9 | J | CF-RV-01 | 3 / 3 | N/A | 1.4 |
| Endrin ketone | 0.71 | J | 0.71 | J | CF-RV-02 | 1 / 3 | 0.98 - 0.99 | 0.57 |
| gamma-BHC (lindane) | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| gamma-Chlordane | 0.4 | J | 0.83 | J | CF-LK-01 | 3 / 3 | N/A | 0.59 |
| Heptachlor | | | | | | 0 / 3 | 0.5 - 0.51 | 0.25 |
| Heptachlor epoxide | 0.36 | J | 0.85 | J | CF-RV-02 | 2 / 3 | 0.51 | 0.49 |
| Methoxychlor | | | | | | 0 / 3 | 5 - 5.1 | 2.5 |
| Toxaphene | | | | | | 0 / 3 | 50 - 51 | 25 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 46.9 | J | 72.8 | J | CF-LK-01 | 3 / 3 | N/A | 58 |
| Antimony | | | | | | 0 / 3 | 0.082 - 0.1 | 0.046 |
| Arsenic | 1.1 | J | 2.1 | | CF-LK-01 | 3 / 3 | N/A | 1.5 |
| Barium | 13 | | 18 | | CF-RV-02 | 2 / 3 | 21.8 | 14 |
| Beryllium | | | | | | 0 / 3 | 0.0074 - 0.0085 | 0.0040 |
| Cadmium | 0.043 | J | 0.05 | J | CF-RV-02 | 2 / 2 | N/A | 0.047 |
| Calcium | 23700 | | 44300 | J | CF-RV-01 | 3 / 3 | N/A | 31267 |
| Chromium | 0.72 | J | 1.2 | J | CF-LK-01 | 3 / 3 | N/A | 0.89 |
| Cobalt | 0.23 | J | 0.55 | J | CF-RV-02 | 3 / 3 | N/A | 0.40 |
| Copper | 30 | J | 49.5 | J | CF-RV-02 | 3 / 3 | N/A | 41 |
| Cyanide | | | | | | 0 / 3 | 0.46 - 0.55 | 0.25 |
| Iron | 193 | J | 388 | | CF-LK-01 | 3 / 3 | N/A | 277 |
| Lead | 0.54 | J | 1.5 | J | CF-LK-01 | 3 / 3 | N/A | 1.0 |
| Magnesium | | | | | | 0 / 3 | 325 - 416 | 179 |
| Manganese | 44.9 | J | 146 | J | CF-RV-02 | 3 / 3 | N/A | 98 |
| Mercury | | | | | | 0 / 3 | 0.01 - 0.015 | 0.0065 |
| Nickel | | | | | | 0 / 3 | 0.17 - 0.23 | 0.098 |
| Potassium | 2030 | J | 2280 | | CF-LK-01 | 3 / 3 | N/A | 2157 |
| Selenium | 0.35 | J | 0.56 | J | CF-RV-01 | 3 / 3 | N/A | 0.43 |
| Silver | | | | | | 0 / 3 | 0.043 - 0.063 | 0.027 |
| Sodium | | | | | | 0 / 3 | 1930 - 2090 | 1000 |
| Thallium | | | | | | 0 / 3 | 0.11 - 0.15 | 0.065 |
| Vanadium | | | | | | 0 / 2 | 0.34 - 0.45 | 0.20 |
| Zinc | 22.7 | J | 25.9 | J | CF-LK-01 | 3 / 3 | N/A | 24 |
| PERCENT LIPIDS | 0.7 | | 1.1 | | CF-RV-01 | 3 / 3 | N/A | 0.90 |
| % MOISTURE | 72.2 | | 78.4 | | CF-LK-01 | 3 / 3 | N/A | 75 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-181
# CRAYFISH TISSUE DATA SUMMARY - REACH 5
# WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 1.6 | J | 1.6 | J | CF-RV-05 | 1 / 1 | N/A | 1.6 |
| 4,4'-DDE | 4.6 | | 4.6 | | CF-RV-05 | 1 / 1 | N/A | 4.6 |
| 4,4'-DDT | 0.71 | J | 0.71 | J | CF-RV-05 | 1 / 1 | N/A | 0.71 |
| Aldrin | | | | | | 0 / 1 | 0.73 | 0.37 |
| alpha-BHC | | | | | | 0 / 1 | 0.73 | 0.37 |
| alpha-Chlordane | 0.64 | J | 0.64 | J | CF-RV-05 | 1 / 1 | N/A | 0.64 |
| Aroclor-1016 | | | | | | 0 / 1 | 7.2 | 3.6 |
| Aroclor-1221 | | | | | | 0 / 1 | 14 | 7.0 |
| Aroclor-1232 | | | | | | 0 / 1 | 7.2 | 3.6 |
| Aroclor-1242 | | | | | | 0 / 1 | 7.2 | 3.6 |
| Aroclor-1248 | | | | | | 0 / 1 | 7.2 | 3.6 |
| Aroclor-1254 | 14 | J | 14 | J | CF-RV-05 | 1 / 1 | N/A | 14 |
| Aroclor-1260 | 10.55 | | 10.55 | | CF-RV-05 | 1 / 1 | N/A | 11 |
| beta-BHC | | | | | | 0 / 1 | 0.73 | 0.37 |
| delta-BHC | | | | | | 0 / 1 | 0.73 | 0.37 |
| Dieldrin | | | | | | 0 / 1 | 1.4 | 0.70 |
| Endosulfan I | 0.54 | J | 0.54 | J | CF-RV-05 | 1 / 1 | N/A | 0.54 |
| Endosulfan II | | | | | | 0 / 1 | 1.4 | 0.70 |
| Endosulfan sulfate | | | | | | 0 / 1 | 1.4 | 0.70 |
| Endrin | 1.1 | J | 1.1 | J | CF-RV-05 | 1 / 1 | N/A | 1.1 |
| Endrin aldehyde | 1.8 | J | 1.8 | J | CF-RV-05 | 1 / 1 | N/A | 1.8 |
| Endrin ketone | | | | | | 0 / 1 | 1.4 | 0.70 |
| gamma-BHC (lindane) | | | | | | 0 / 1 | 0.73 | 0.37 |
| gamma-Chlordane | 0.4 | J | 0.4 | J | CF-RV-05 | 1 / 1 | N/A | 0.40 |
| Heptachlor | | | | | | 0 / 1 | 0.73 | 0.37 |
| Heptachlor epoxide | | | | | | 0 / 1 | 0.73 | 0.37 |
| Methoxychlor | | | | | | 0 / 1 | 7.3 | 3.7 |
| Toxaphene | | | | | | 0 / 1 | 73 | 37 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 23.85 | J | 23.85 | J | CF-RV-05 | 1 / 1 | N/A | 24 |
| Antimony | | | | | | 0 / 1 | 0.094 | 0.047 |
| Arsenic | | | | | | 0 / 1 | 0.48 | 0.24 |
| Barium | | | | | | 0 / 1 | 4 | 2.0 |
| Beryllium | | | | | | 0 / 1 | 0.012 | 0.0060 |
| Cadmium | 0.0625 | J | 0.0625 | J | CF-RV-05 | 1 / 1 | N/A | 0.063 |
| Calcium | 18900 | J | 18900 | J | CF-RV-05 | 1 / 1 | N/A | 18900 |
| Chromium | 0.2 | J | 0.2 | J | CF-RV-05 | 1 / 1 | N/A | 0.20 |
| Cobalt | 0.27 | J | 0.27 | J | CF-RV-05 | 1 / 1 | N/A | 0.27 |
| Copper | 40.55 | J | 40.55 | J | CF-RV-05 | 1 / 1 | N/A | 41 |
| Cyanide | | | | | | 0 / 1 | 0.38 | 0.19 |
| Iron | 88.25 | J | 88.25 | J | CF-RV-05 | 1 / 1 | N/A | 88 |
| Lead | 0.2125 | J | 0.2125 | J | CF-RV-05 | 1 / 1 | N/A | 0.21 |
| Magnesium | | | | | | 0 / 1 | 184 | 92 |
| Manganese | 79.1 | J | 79.1 | J | CF-RV-05 | 1 / 1 | N/A | 79 |
| Mercury | | | | | | 0 / 1 | 0.016 | 0.0080 |
| Nickel | | | | | | 0 / 1 | 0.083 | 0.042 |
| Potassium | 2100 | J | 2100 | J | CF-RV-05 | 1 / 1 | N/A | 2100 |
| Selenium | 0.515 | J | 0.515 | J | CF-RV-05 | 1 / 1 | N/A | 0.52 |
| Silver | 0.0635 | J | 0.0635 | J | CF-RV-05 | 1 / 1 | N/A | 0.064 |
| Sodium | | | | | | 0 / 1 | 1710 | 855 |
| Thallium | | | | | | 0 / 1 | 0.13 | 0.065 |
| Vanadium | | | | | | 0 / 1 | 0.084 | 0.042 |
| Zinc | 18.35 | J | 18.35 | J | CF-RV-05 | 1 / 1 | N/A | 18 |
| PERCENT LIPIDS | 0.9 | | 0.9 | | CF-RV-05 | 1 / 1 | N/A | 0.90 |
| % MOISTURE | 80.7 | | 80.7 | | CF-RV-05 | 1 / 1 | N/A | 81 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-182**
**CRAYFISH TISSUE DATA SUMMARY - NON REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 1.6 | J | 4.1 | | CF-RV-01 | 6 / 8 | 0.98 - 1.6 | 2.4 |
| 4,4'-DDE | 4.6 | | 8.2 | J | CF-RV-04 | 6 / 8 | 1.7 - 2.2 | 5.0 |
| 4,4'-DDT | 0.71 | J | 2.2 | J | CF-RV-01 | 8 / 8 | N/A | 1.2 |
| Aldrin | 0.25 | J | 0.31 | J | CF-RV-07 | 4 / 8 | 0.5 - 0.73 | 0.28 |
| alpha-BHC | | | | | | 0 / 8 | 0.5 - 0.73 | 0.27 |
| alpha-Chlordane | 0.52 | J | 1.8 | | CF-LK-01 | 6 / 8 | 1.1 - 1.4 | 0.93 |
| Aroclor-1016 | | | | | | 0 / 8 | 4.9 - 7.2 | 2.6 |
| Aroclor-1221 | | | | | | 0 / 8 | 5 - 14 | 4.9 |
| Aroclor-1232 | | | | | | 0 / 8 | 4.9 - 7.2 | 2.6 |
| Aroclor-1242 | | | | | | 0 / 8 | 4.9 - 7.2 | 2.6 |
| Aroclor-1248 | | | | | | 0 / 8 | 4.9 - 7.2 | 2.6 |
| Aroclor-1254 | 12 | J | 24 | | CF-RV-07 | 7 / 8 | 5 | 16 |
| Aroclor-1260 | 10.55 | | 41 | J | CF-RV-03 | 8 / 8 | N/A | 26 |
| beta-BHC | | | | | | 0 / 8 | 0.5 - 0.73 | 0.28 |
| delta-BHC | | | | | | 0 / 8 | 0.5 - 0.73 | 0.27 |
| Dieldrin | 0.81 | J | 2.4 | J | CF-RV-04 | 7 / 8 | 1.4 | 1.4 |
| Endosulfan I | 0.54 | J | 0.54 | J | CF-RV-05 | 1 / 8 | 0.5 - 1.4 | 0.38 |
| Endosulfan II | | | | | | 0 / 8 | 0.98 - 2 | 0.58 |
| Endosulfan sulfate | 0.54 | J | 1.4 | | CF-RV-07 | 4 / 8 | 0.98 - 1.4 | 0.76 |
| Endrin | 1.1 | J | 1.7 | J | CF-RV-04 | 3 / 8 | 0.98 - 1.1 | 0.84 |
| Endrin aldehyde | 0.61 | J | 3.1 | J | CF-RV-04 | 8 / 8 | N/A | 2.0 |
| Endrin ketone | 0.71 | J | 0.71 | J | CF-RV-02 | 1 / 8 | 0.98 - 1.4 | 0.54 |
| gamma-BHC (lindane) | 0.24 | J | 0.39 | J | CF-RV-07 | 2 / 8 | 0.5 - 0.73 | 0.28 |
| gamma-Chlordane | 0.25 | J | 0.83 | J | CF-LK-01 | 5 / 8 | 0.5 - 0.51 | 0.40 |
| Heptachlor | | | | | | 0 / 8 | 0.5 - 0.73 | 0.27 |
| Heptachlor epoxide | 0.36 | J | 0.85 | J | CF-RV-02 | 2 / 8 | 0.5 - 0.73 | 0.36 |
| Methoxychlor | | | | | | 0 / 8 | 5 - 7.3 | 2.7 |
| Toxaphene | | | | | | 0 / 8 | 50 - 73 | 27 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 23.85 | J | 72.8 | J | CF-LK-01 | 8 / 8 | N/A | 50 |
| Antimony | | | | | | 0 / 7 | 0.082 - 0.11 | 0.048 |
| Arsenic | 1.1 | J | 4.4 | J | CF-RV-07 | 7 / 8 | 0.48 | 2.2 |
| Barium | 13 | | 18 | | CF-RV-02 | 2 / 8 | 4 - 21.8 | 10 |
| Beryllium | | | | | | 0 / 8 | 0.0074 - 0.013 | 0.0054 |
| Cadmium | 0.043 | J | 0.16 | J | CF-RV-03 | 7 / 7 | N/A | 0.070 |
| Calcium | 18900 | J | 44300 | J | CF-RV-01 | 7 / 8 | 20000 | 25013 |
| Chromium | 0.2 | J | 2.5 | J | CF-RV-03 | 8 / 8 | N/A | 1.1 |
| Cobalt | 0.23 | J | 0.65 | J | CF-RV-03 | 8 / 8 | N/A | 0.44 |
| Copper | 30 | J | 65.1 | J | CF-RV-04 | 8 / 8 | N/A | 50 |
| Cyanide | | | | | | 0 / 8 | 0.38 - 0.59 | 0.24 |
| Iron | 88.25 | J | 645 | J | CF-RV-07 | 8 / 8 | N/A | 345 |
| Lead | 0.2125 | J | 1.5 | J | CF-LK-01 | 8 / 8 | N/A | 0.78 |
| Magnesium | | | | | | 0 / 8 | 184 - 416 | 158 |
| Manganese | 44.9 | J | 146 | J | CF-RV-02 | 8 / 8 | N/A | 99 |
| Mercury | 0.02 | J | 0.02 | J | CF-RV-03 | 1 / 8 | 0.01 - 0.02 | 0.0092 |
| Nickel | | | | | | 0 / 8 | 0.083 - 0.25 | 0.085 |
| Potassium | 2010 | J | 2280 | | CF-LK-01 | 8 / 8 | N/A | 2108 |
| Selenium | 0.28 | J | 0.56 | J | CF-RV-01 | 8 / 8 | N/A | 0.41 |
| Silver | 0.056 | J | 0.0635 | J | CF-RV-05 | 2 / 8 | 0.036 - 0.063 | 0.032 |
| Sodium | | | | | | 0 / 8 | 1640 - 2090 | 938 |
| Thallium | 0.19 | | 0.19 | | CF-RV-04 | 1 / 8 | 0.11 - 0.15 | 0.083 |
| Vanadium | | | | | | 0 / 7 | 0.084 - 0.45 | 0.15 |
| Zinc | 18.35 | J | 29.1 | J | CF-RV-06 | 8 / 8 | N/A | 25 |
| PERCENT LIPIDS | 0.6 | | 1.1 | | CF-RV-01 | 8 / 8 | N/A | 0.84 |
| % MOISTURE | 72.2 | | 80.7 | | CF-RV-05 | 8 / 8 | N/A | 77 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-183**
**CRAYFISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | CF-LK-01 | CF-RV-01 | CF-RV-02 | CF-RV-03 | CF-RV-04 | CF-RV-05 | CF-RV-06 | CF-RV-07 |
|---|---|---|---|---|---|---|---|---|
| Reach | 3 | 3 | 3 | 2 | 2 | 5 | 1 | 1 |
| Species | crayfish | crayfish | crayfish | crayfish | crayfish | crayfish | crayfish | crayfish |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 3.5 J | 4.1 | 2.2 J | 2.8 J | 3.8 J | 1.6 J | 0.98 U | 1.6 U |
| 4,4'-DDE | 5.4 | 7 | 4.9 | 7.8 J | 8.2 J | 4.6 | 1.7 U | 2.2 U |
| 4,4'-DDT | 1 J | 2.2 J | 1.1 J | 1.1 J | 1 J | 0.71 J | 0.85 J | 1.3 |
| Aldrin | 0.51 U | 0.51 U | 0.5 U | 0.29 J | 0.25 J | 0.73 U | 0.3 J | 0.31 J |
| alpha-Chlordane | 1.8 | 1.3 J | 1.2 | 0.52 J | 0.72 J | 0.64 J | 1.1 U | 1.4 U |
| Aroclor-1254 | 14 J | 5 U | 12 J | 21 J | 23 J | 14 J | 15 | 24 |
| Aroclor-1260 | 15 | 31 | 25 | 41 J | 41 J | 10.55 | 15 | 28 |
| Dieldrin | 1.6 | 1.6 J | 1.3 J | 1.9 J | 2.4 J | 1.4 U | 0.88 J | 0.81 J |
| Endosulfan I | 0.51 U | 0.51 U | 0.5 U | 0.5 U | 0.5 U | 0.54 J | 1.1 U | 1.4 U |
| Endosulfan sulfate | 0.98 U | 1.1 J | 0.98 U | 0.54 J | 0.89 J | 1.4 U | 0.98 U | 1.4 |
| Endrin | 0.98 U | 0.99 UJ | 0.98 U | 1.4 J | 1.7 J | 1.1 J | 0.98 U | 1.1 U |
| Endrin aldehyde | 0.61 J | 2.9 J | 0.74 J | 2.8 J | 3.1 J | 1.8 J | 1.5 | 2.9 |
| Endrin ketone | 0.98 U | 0.99 U | 0.71 J | 0.98 U | 0.98 U | 1.4 U | 0.98 U | 0.98 U |
| gamma-BHC (lindane) | 0.51 U | 0.51 U | 0.5 U | 0.5 U | 0.5 U | 0.73 U | 0.24 J | 0.39 J |
| gamma-Chlordane | 0.83 J | 0.4 J | 0.55 J | 0.25 J | 0.5 U | 0.4 J | 0.51 U | 0.51 U |
| Heptachlor epoxide | 0.36 J | 0.51 U | 0.85 J | 0.5 U | 0.5 U | 0.73 U | 0.51 U | 0.51 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 72.8 J | 46.9 J | 55.3 J | 57.6 J | 47.8 J | 23.85 J | 49.1 J | 46.7 J |
| Arsenic | 2.1 | 1.1 J | 1.4 | 2.7 J | 2.7 J | 0.48 U | 3.1 J | 4.4 J |
| Barium | 13 | 21.8 U | 18 | 20.8 U | 19.1 U | 4 UJ | 14 UJ | 21.2 UJ |
| Cadmium | 0.043 J | R | 0.05 J | 0.16 J | 0.061 J | 0.0625 J | 0.05 J | 0.064 J |
| Calcium | 25800 | 44300 J | 23700 | 25500 J | 25600 J | 18900 J | 20000 UJ | 26300 J |
| Chromium | 1.2 J | 0.72 J | 0.75 J | 2.5 J | 1.9 J | 0.2 J | 0.79 J | 1 J |
| Cobalt | 0.23 J | 0.41 J | 0.55 J | 0.65 J | 0.43 J | 0.27 J | 0.41 J | 0.56 J |
| Copper | 30 J | 44.1 J | 49.5 J | 59.4 J | 65.1 J | 40.55 J | 49.1 J | 59.6 J |
| Iron | 388 | 193 J | 251 | 315 J | 370 J | 88.25 J | 510 J | 645 J |
| Lead | 1.5 J | 0.54 J | 1 J | 1 J | 0.94 J | 0.2125 J | 0.48 J | 0.55 J |
| Manganese | 44.9 J | 104 J | 146 J | 135 J | 105 J | 79.1 J | 65.4 J | 112 J |
| Mercury | 0.014 UJ | 0.015 UJ | 0.01 UJ | 0.02 J | 0.016 UJ | 0.016 UJ | 0.016 UJ | 0.02 UJ |
| Potassium | 2280 | 2030 J | 2160 | 2010 J | 2050 J | 2100 J | 2070 J | 2160 J |
| Selenium | 0.38 J | 0.56 J | 0.35 J | 0.28 J | 0.51 J | 0.515 J | 0.35 J | 0.31 J |
| Silver | 0.043 UJ | 0.063 U | 0.058 UJ | 0.039 UJ | 0.039 UJ | 0.0635 J | 0.036 UJ | 0.056 J |
| Thallium | 0.11 U | 0.15 U | 0.13 U | 0.15 U | 0.19 | 0.13 U | 0.13 U | 0.14 U |
| Zinc | 25.9 J | 22.7 J | 23.2 J | 28 J | 27.5 J | 18.35 J | 29.1 J | 28.4 J |
| PERCENT LIPIDS | 0.9 | 1.1 | 0.7 | 0.7 | 0.9 | .9 | 0.6 | 0.9 |
| % MOISTURE | 78.4 | 72.2 | 75 | 78.4 | 75.9 | 80.7 | 76 | 76.7 |

**TABLE 2-184**
**SMALL FISH TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 0.82 | J | 3.2 | J | SF-LB-01 | 5 / 6 | 1.7 | 2.0 |
| 4,4'-DDE | 5.5 | | 24 | | SF-LB-01 | 6 / 6 | N/A | 13 |
| 4,4'-DDT | 0.79 | J | 2.5 | J | SF-LB-03 | 3 / 6 | 0.98 - 5 | 1.5 |
| Aldrin | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| alpha-BHC | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| alpha-Chlordane | 0.33 | J | 1.3 | J | SF-LB-01 | 4 / 6 | 0.86 - 2.5 | 0.80 |
| Aroclor-1016 | | | | | | 0 / 6 | 5 - 25 | 6.5 |
| Aroclor-1221 | | | | | | 0 / 6 | 9.9 - 50 | 13 |
| Aroclor-1232 | | | | | | 0 / 6 | 5 - 25 | 6.5 |
| Aroclor-1242 | | | | | | 0 / 6 | 5 - 25 | 6.5 |
| Aroclor-1248 | | | | | | 0 / 6 | 5 - 25 | 6.5 |
| Aroclor-1254 | | | | | | 0 / 6 | 5 - 25 | 6.5 |
| Aroclor-1260 | 9.2 | J | 33 | | SF-LB-01 | 6 / 6 | N/A | 19 |
| beta-BHC | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| delta-BHC | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| Dieldrin | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| Endosulfan I | 0.26 | J | 0.88 | J | SF-LB-04 | 2 / 6 | 0.5 - 2.6 | 0.73 |
| Endosulfan II | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| Endosulfan sulfate | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| Endrin | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| Endrin aldehyde | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| Endrin ketone | | | | | | 0 / 6 | 0.98 - 5 | 1.3 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| gamma-Chlordane | | | | | | 0 / 6 | 0.28 - 2.6 | 0.65 |
| Heptachlor | | | | | | 0 / 6 | 0.5 - 2.6 | 0.66 |
| Heptachlor epoxide | 0.63 | J | 1.3 | J | SF-LB-04 | 2 / 6 | 0.5 - 2.6 | 0.86 |
| Methoxychlor | | | | | | 0 / 6 | 5 - 26 | 6.6 |
| Toxaphene | | | | | | 0 / 6 | 50 - 260 | 66 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 1.3 - 9.2 | 2.4 |
| Antimony | | | | | | 0 / 6 | 0.085 - 0.11 | 0.051 |
| Arsenic | | | | | | 0 / 6 | 0.081 - 0.11 | 0.049 |
| Barium | | | | | | 0 / 6 | 2.6 - 5.1 | 2.1 |
| Beryllium | | | | | | 0 / 6 | 0.0077 - 0.013 | 0.0051 |
| Cadmium | 0.017 | J | 0.018 | J | SF-LB-01 | 3 / 6 | 0.012 - 0.015 | 0.012 |
| Calcium | 20500 | J | 24700 | J | SF-LB-02 | 3 / 6 | 10700 - 19900 | 15358 |
| Chromium | 0.3 | J | 0.35 | J | SF-LB-02 | 4 / 6 | 0.2 - 0.28 | 0.26 |
| Cobalt | 0.038 | J | 0.05 | J | SF-LB-03 | 3 / 6 | 0.041 - 0.05 | 0.034 |
| Copper | 0.71 | J | 0.71 | J | SF-LB-04 | 1 / 6 | 0.47 - 0.58 | 0.34 |
| Cyanide | | | | | | 0 / 6 | 0.39 - 0.49 | 0.23 |
| Iron | 29.6 | J | 50.4 | J | SF-LB-01 | 4 / 6 | 39.2 - 50 | 35 |
| Lead | | | | | | 0 / 6 | 0.058 - 0.075 | 0.035 |
| Magnesium | | | | | | 0 / 6 | 376 - 571 | 250 |
| Manganese | 37 | J | 37 | J | SF-LB-03 | 1 / 6 | 13.4 - 19.5 | 13 |
| Mercury | 0.062 | J | 0.098 | J | SF-LB-03 | 4 / 6 | 0.024 - 0.035 | 0.059 |
| Nickel | | | | | | 0 / 6 | 0.038 - 0.05 | 0.023 |
| Potassium | 2770 | J | 3400 | J | SF-LB-05 | 6 / 6 | N/A | 3017 |
| Selenium | 0.55 | J | 0.68 | J | SF-LB-05 | 6 / 6 | N/A | 0.62 |
| Silver | 0.035 | J | 0.035 | J | SF-LB-01 | 1 / 6 | 0.033 - 0.04 | 0.022 |
| Sodium | | | | | | 0 / 6 | 1100 - 1390 | 644 |
| Thallium | | | | | | 0 / 6 | 0.12 - 0.15 | 0.069 |
| Vanadium | | | | | | 0 / 2 | 0.13 - 0.24 | 0.093 |
| Zinc | 13.9 | J | 38.3 | J | SF-LB-02 | 6 / 6 | N/A | 28 |
| PERCENT LIPIDS | 0.8 | | 2.2 | | SF-LB-03 | 6 / 6 | N/A | 1.5 |
| % MOISTURE | 72.3 | | 79.3 | | SF-LB-06 | 6 / 6 | N/A | 76 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-185**
**SMALL FISH TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SF-LB-01 | SF-LB-02 | SF-LB-03 | SF-LB-04 | SF-LB-05 | SF-LB-06 |
|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed | brown bullhead | brown bullhead |
| SVOCs (ug/Kg) | | | | | | |
| No Detections | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 3.2 J | 0.89 J | 2.9 J | 3.1 | 0.82 J | 1.7 U |
| 4,4'-DDE | 24 | 8.3 | 20 | 15 J | 6.9 | 5.5 |
| 4,4'-DDT | 5 U | 0.79 J | 2.5 J | 1.8 J | 0.98 U | 1.7 U |
| alpha-Chlordane | 1.3 J | 0.55 J | 2.5 U | 0.94 J | 0.33 J | 0.86 U |
| Aroclor-1260 | 33 | 9.7 | 26 | 20 | 18 | 9.2 J |
| Endosulfan I | 2.6 U | 0.26 J | 2.5 U | 0.88 J | 0.5 U | 0.86 U |
| Heptachlor epoxide | 2.6 U | 0.63 J | 2.5 U | 1.3 J | 0.5 U | 0.86 U |
| Metals (mg/Kg) | | | | | | |
| Cadmium | 0.018 J | 0.017 J | 0.017 J | 0.015 UJ | 0.012 UJ | 0.015 U |
| Calcium | 20500 J | 24700 J | 19900 UJ | 23900 J | 15500 UJ | 10700 UJ |
| Chromium | 0.34 J | 0.35 J | 0.3 J | 0.34 J | 0.28 UJ | 0.2 UJ |
| Cobalt | 0.038 J | 0.048 J | 0.05 J | 0.05 UJ | 0.041 UJ | 0.049 UJ |
| Copper | 0.51 UJ | 0.58 UJ | 0.58 UJ | 0.71 J | 0.47 UJ | 0.54 U |
| Iron | 50.4 J | 39.2 UJ | 50 UJ | 39.6 J | 47.7 J | 29.6 J |
| Manganese | 14 UJ | 13.4 UJ | 37 J | 19.5 UJ | 16.2 UJ | 14.7 U |
| Mercury | 0.088 J | 0.062 J | 0.098 J | 0.075 | 0.024 UJ | 0.035 UJ |
| Potassium | 2850 J | 2770 J | 2910 J | 2930 J | 3400 J | 3240 J |
| Selenium | 0.61 J | 0.61 J | 0.55 J | 0.63 J | 0.68 J | 0.64 J |
| Silver | 0.035 J | 0.039 UJ | 0.04 UJ | 0.04 UJ | 0.033 UJ | 0.039 UJ |
| Zinc | 32.4 J | 38.3 J | 33.1 J | 34.1 J | 13.9 J | 15.3 |
| PERCENT LIPIDS | 1.8 | 1.3 | 2.2 | 1.9 | 0.8 | 1 |
| % MOISTURE | 72.3 | 73.9 | 74 | 76.3 | 79.2 | 79.3 |

**TABLE 2-186**
**SMALL FISH TISSUE DATA SUMMARY - REACH 1**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4.2 | | 26 | | SF-RV-12 | 4 / 4 | N/A | 15 |
| 4,4'-DDE | 9 | | 29 | | SF-RV-12 | 4 / 4 | N/A | 18 |
| 4,4'-DDT | 2.5 | J | 3.6 | J | SF-RV-12 | 3 / 4 | 2.9 | 2.6 |
| Aldrin | 0.59 | J | 0.59 | J | SF-RV-10 | 1 / 4 | 1.5 - 2.3 | 0.87 |
| alpha-BHC | | | | | | 0 / 4 | 1 - 2.3 | 0.85 |
| alpha-Chlordane | 3.9 | | 22 | | SF-RV-12 | 3 / 4 | 1 | 11 |
| Aroclor-1016 | | | | | | 0 / 4 | 9.9 - 22 | 8.4 |
| Aroclor-1221 | | | | | | 0 / 4 | 20 - 44 | 17 |
| Aroclor-1232 | | | | | | 0 / 4 | 9.9 - 22 | 8.4 |
| Aroclor-1242 | | | | | | 0 / 4 | 9.9 - 22 | 8.4 |
| Aroclor-1248 | 27 | J | 47 | | SF-RV-10 | 4 / 4 | N/A | 37 |
| Aroclor-1254 | 46 | J | 110 | | SF-RV-12 | 4 / 4 | N/A | 73 |
| Aroclor-1260 | 45 | | 100 | | SF-RV-12 | 4 / 4 | N/A | 78 |
| beta-BHC | 1.4 | | 1.4 | | SF-RV-10 | 1 / 4 | 1.5 - 2.3 | 1.1 |
| delta-BHC | | | | | | 0 / 4 | 1 - 2.3 | 0.85 |
| Dieldrin | 4.9 | | 7.2 | | LF-RV-18 | 3 / 4 | 2.9 | 5.0 |
| Endosulfan I | 1.3 | J | 2.5 | J | SF-RV-12 | 3 / 4 | 2 | 1.6 |
| Endosulfan II | 4 | J | 4.8 | J | SF-RV-12 | 2 / 4 | 2.9 - 4 | 3.1 |
| Endosulfan sulfate | 1.2 | J | 1.2 | J | SF-RV-10 | 1 / 4 | 2.9 - 4.4 | 1.7 |
| Endrin | 1.6 | J | 1.6 | J | SF-RV-10 | 1 / 4 | 2.9 - 4.4 | 1.8 |
| Endrin aldehyde | | | | | | 0 / 4 | 2 - 4.4 | 1.7 |
| Endrin ketone | 1.9 | J | 1.9 | J | SF-RV-10 | 1 / 4 | 2.9 - 4.4 | 1.9 |
| gamma-BHC (lindane) | | | | | | 0 / 4 | 1 - 2.3 | 0.85 |
| gamma-Chlordane | 2.8 | | 15 | | SF-RV-12 | 4 / 4 | N/A | 7.7 |
| Heptachlor | | | | | | 0 / 4 | 1 - 2.3 | 0.85 |
| Heptachlor epoxide | 1.3 | J | 4.6 | J | SF-RV-10 | 4 / 4 | N/A | 2.9 |
| Methoxychlor | | | | | | 0 / 4 | 10 - 23 | 8.5 |
| Toxaphene | | | | | | 0 / 4 | 100 - 230 | 85 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 8.3 | J | 8.3 | J | SF-RV-13 | 1 / 5 | 6 - 21.4 | 6.2 |
| Antimony | | | | | | 0 / 4 | 0.11 - 0.15 | 0.063 |
| Arsenic | 0.59 | | 1.4 | | SF-RV-09 | 3 / 5 | 0.23 - 0.89 | 0.71 |
| Barium | | | | | | 0 / 5 | 0.59 - 1.3 | 0.49 |
| Beryllium | | | | | | 0 / 5 | 0.0085 - 0.01 | 0.0048 |
| Cadmium | 0.016 | J | 0.037 | J | SF-RV-09 | 5 / 5 | N/A | 0.024 |
| Calcium | | | | | | 0 / 5 | 7170 - 18400 | 6827 |
| Chromium | 0.22 | J | 0.63 | J | SF-RV-09 | 4 / 5 | 0.42 | 0.39 |
| Cobalt | 0.056 | J | 0.12 | J | SF-RV-09 | 4 / 5 | 0.05 | 0.06 |
| Copper | 0.54 | | 1.7 | J | SF-RV-09 | 5 / 5 | N/A | 1.1 |
| Cyanide | | | | | | 0 / 5 | 0.38 - 0.5 | 0.22 |
| Iron | 48.3 | J | 236 | J | SF-RV-09 | 5 / 5 | N/A | 134 |
| Lead | | | | | | 0 / 5 | 0.078 - 0.35 | 0.079 |
| Magnesium | | | | | | 0 / 5 | 341 - 539 | 221 |
| Manganese | | | | | | 0 / 5 | 6.4 - 23.5 | 7.1 |
| Mercury | 0.015 | | 0.032 | | SF-RV-09 | 4 / 5 | 0.013 | 0.020 |
| Nickel | | | | | | 0 / 5 | 0.036 - 0.05 | 0.023 |
| Potassium | 2990 | J | 3410 | J | SF-RV-12 | 5 / 5 | N/A | 3212 |
| Selenium | 0.68 | J | 0.96 | J | SF-RV-10 | 5 / 5 | N/A | 0.82 |
| Silver | | | | | | 0 / 5 | 0.029 - 0.04 | 0.018 |
| Sodium | | | | | | 0 / 5 | 937 - 1280 | 538 |
| Thallium | | | | | | 0 / 5 | 0.11 - 0.15 | 0.068 |
| Vanadium | | | | | | 0 / 2 | 0.056 - 0.18 | 0.059 |
| Zinc | 22.1 | J | 35.3 | J | SF-RV-10 | 5 / 5 | N/A | 28 |
| PERCENT LIPIDS | 1.4 | | 3.4 | | SF-RV-09 | 5 / 5 | N/A | 2.1 |
| % MOISTURE | 74.5 | | 79.6 | | SF-RV-13 | 5 / 5 | N/A | 78 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-187**
**SMALL FISH TISSUE DATA SUMMARY - REACH 2**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 14 | J | 27 | J | LF-RV-17 | 2 / 2 | N/A | 21 |
| 4,4'-DDE | 15 | J | 21 | J | LF-RV-17 | 2 / 2 | N/A | 18 |
| 4,4'-DDT | 1.9 | J | 1.9 | J | SF-RV-06 | 1 / 2 | 9.9 | 3.4 |
| Aldrin | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| alpha-BHC | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| alpha-Chlordane | 10 | J | 25 | J | LF-RV-17 | 2 / 2 | N/A | 18 |
| Aroclor-1016 | | | | | | 0 / 2 | 10 - 50 | 15 |
| Aroclor-1221 | | | | | | 0 / 2 | 20 - 100 | 30 |
| Aroclor-1232 | | | | | | 0 / 2 | 10 - 50 | 15 |
| Aroclor-1242 | | | | | | 0 / 2 | 10 - 50 | 15 |
| Aroclor-1248 | | | | | | 0 / 2 | 10 - 50 | 15 |
| Aroclor-1254 | 41 | J | 93 | J | LF-RV-17 | 2 / 2 | N/A | 67 |
| Aroclor-1260 | 46 | J | 55 | | LF-RV-17 | 2 / 2 | N/A | 51 |
| beta-BHC | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| delta-BHC | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| Dieldrin | 5.3 | J | 12 | J | LF-RV-17 | 2 / 2 | N/A | 8.7 |
| Endosulfan I | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| Endosulfan II | | | | | | 0 / 2 | 2 - 9.9 | 3.0 |
| Endosulfan sulfate | | | | | | 0 / 2 | 2 - 9.9 | 3.0 |
| Endrin | 2.8 | J | 2.8 | J | SF-RV-06 | 1 / 2 | 9.9 | 3.9 |
| Endrin aldehyde | 1.5 | J | 1.5 | J | SF-RV-06 | 1 / 2 | 9.9 | 3.2 |
| Endrin ketone | | | | | | 0 / 2 | 2 - 9.9 | 3.0 |
| gamma-BHC (lindane) | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| gamma-Chlordane | 6.1 | J | 15 | J | LF-RV-17 | 2 / 2 | N/A | 11 |
| Heptachlor | | | | | | 0 / 2 | 1 - 5.1 | 1.5 |
| Heptachlor epoxide | 4.1 | J | 4.1 | J | LF-RV-17 | 1 / 2 | 1 | 2.3 |
| Methoxychlor | | | | | | 0 / 2 | 10 - 51 | 15 |
| Toxaphene | | | | | | 0 / 2 | 100 - 510 | 153 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 19.7 | J | 19.7 | J | SF-RV-06 | 1 / 4 | 3.8 - 15.3 | 8.3 |
| Antimony | | | | | | 0 / 4 | 0.085 - 0.11 | 0.051 |
| Arsenic | | | | | | 0 / 4 | 0.2 - 0.7 | 0.22 |
| Barium | | | | | | 0 / 4 | 0.81 - 2.5 | 0.74 |
| Beryllium | | | | | | 0 / 4 | 0.0077 - 0.012 | 0.0050 |
| Cadmium | 0.016 | J | 0.065 | | SF-RV-08 | 4 / 4 | N/A | 0.033 |
| Calcium | | | | | | 0 / 4 | 8290 - 15800 | 5761 |
| Chromium | 0.33 | J | 0.66 | J | SF-RV-07 | 4 / 4 | N/A | 0.47 |
| Cobalt | 0.05 | J | 0.12 | J | SF-RV-07 | 3 / 4 | 0.05 | 0.068 |
| Copper | 1.1 | | 1.1 | | SF-RV-06 | 1 / 4 | 0.44 - 2.2 | 0.76 |
| Cyanide | | | | | | 0 / 4 | 0.53 - 0.66 | 0.28 |
| Iron | 60.2 | | 60.2 | | SF-RV-06 | 1 / 4 | 23 - 71.3 | 32 |
| Lead | 0.38 | J | 0.38 | J | SF-RV-06 | 1 / 4 | 0.074 - 0.21 | 0.15 |
| Magnesium | | | | | | 0 / 4 | 381 - 505 | 211 |
| Manganese | | | | | | 0 / 4 | 6.6 - 18.8 | 5.6 |
| Mercury | 0.028 | J | 0.054 | J | SF-RV-08 | 2 / 4 | 0.02 - 0.022 | 0.026 |
| Nickel | | | | | | 0 / 4 | 0.046 - 0.06 | 0.026 |
| Potassium | 3000 | J | 3600 | J | LF-RV-17 | 4 / 4 | N/A | 3233 |
| Selenium | 0.46 | J | 0.74 | J | SF-RV-06 | 4 / 4 | N/A | 0.60 |
| Silver | | | | | | 0 / 4 | 0.031 - 0.04 | 0.019 |
| Sodium | | | | | | 0 / 4 | 965 - 1130 | 506 |
| Thallium | | | | | | 0 / 4 | 0.12 - 0.15 | 0.070 |
| Vanadium | | | | | | 0 / 3 | 0.12 - 0.17 | 0.070 |
| Zinc | 25.9 | J | 42 | | SF-RV-08 | 4 / 4 | N/A | 32 |
| PERCENT LIPIDS | 0.9 | | 2.6 | | LF-RV-17 | 4 / 4 | N/A | 1.8 |
| % MOISTURE | 76.9 | | 81.7 | | SF-RV-07 | 4 / 4 | N/A | 79 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-188**
**SMALL FISH TISSUE DATA SUMMARY - REACH 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 16 | J | 45 | J | LF-LK-01 | 9 / 10 | 9.8 | 27 |
| 4,4'-DDE | 18 | J | 43 | J | LF-LK-02 | 10 / 10 | N/A | 31 |
| 4,4'-DDT | 2 | J | 12 | J | LF-LK-04 | 10 / 10 | N/A | 7.0 |
| Aldrin | 0.68 | J | 2.3 | J | SF-LK-02 | 5 / 10 | 1 - 5.1 | 1.7 |
| alpha-BHC | | | | | | 0 / 10 | 1 - 5.1 | 1.5 |
| alpha-Chlordane | 8.9 | J | 42 | J | LF-LK-01 | 10 / 10 | N/A | 24 |
| Aroclor-1016 | | | | | | 0 / 10 | 9.9 - 50 | 14 |
| Aroclor-1221 | | | | | | 0 / 10 | 20 - 99 | 26 |
| Aroclor-1232 | | | | | | 0 / 10 | 9.9 - 50 | 14 |
| Aroclor-1242 | | | | | | 0 / 10 | 9.9 - 50 | 14 |
| Aroclor-1248 | 27 | J | 34 | J | LF-LK-04 | 2 / 10 | 9.9 - 50 | 20 |
| Aroclor-1254 | 50 | J | 160 | J | LF-LK-01 | 9 / 10 | 50 | 103 |
| Aroclor-1260 | 53 | J | 110 | J | LF-LK-02 | 10 / 10 | N/A | 84 |
| beta-BHC | | | | | | 0 / 10 | 1 - 5.1 | 1.5 |
| delta-BHC | 1.2 | J | 1.4 | J | SF-LK-02 | 2 / 10 | 1 - 5.1 | 1.5 |
| Dieldrin | 4.2 | J | 39 | J | LF-LK-01 | 10 / 10 | N/A | 20 |
| Endosulfan I | 0.57 | J | 0.57 | J | SF-LK-05 | 1 / 10 | 1 - 5.1 | 1.5 |
| Endosulfan II | | | | | | 0 / 10 | 2 - 9.8 | 3.1 |
| Endosulfan sulfate | 2.3 | J | 2.6 | J | LF-LK-04 | 2 / 10 | 2 - 9.8 | 3.2 |
| Endrin | 2.1 | J | 8.2 | J | SF-LK-03 | 5 / 10 | 2 - 9.8 | 4.5 |
| Endrin aldehyde | 1.9 | J | 3 | J | SF-LK-02 | 4 / 10 | 2 - 9.8 | 3.2 |
| Endrin ketone | 2.3 | J | 2.7 | J | LF-LK-04 | 2 / 10 | 2 - 9.8 | 3.2 |
| gamma-BHC (lindane) | | | | | | 0 / 10 | 1 - 5.1 | 1.5 |
| gamma-Chlordane | 4.1 | J | 20 | J | LF-LK-01 | 9 / 10 | 5.1 | 11 |
| Heptachlor | | | | | | 0 / 10 | 1 - 5.1 | 1.5 |
| Heptachlor epoxide | 0.67 | J | 15 | J | LF-LK-01 | 9 / 10 | 5.1 | 6.6 |
| Methoxychlor | | | | | | 0 / 10 | 10 - 51 | 15 |
| Toxaphene | | | | | | 0 / 10 | 100 - 510 | 148 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5.5 | J | 66.7 | J | SF-LK-02 | 6 / 10 | 2.3 - 4.4 | 13 |
| Antimony | 0.14 | | 0.14 | | SF-LK-05 | 1 / 7 | 0.098 - 0.11 | 0.066 |
| Arsenic | | | | | | 0 / 10 | 0.095 - 0.53 | 0.15 |
| Barium | 0.63 | | 1.8 | | LF-LK-05 | 5 / 10 | 0.47 - 0.93 | 0.80 |
| Beryllium | | | | | | 0 / 10 | 0.0055 - 0.013 | 0.0051 |
| Cadmium | 0.015 | | 0.084 | J | LF-LK-04 | 9 / 9 | N/A | 0.031 |
| Calcium | 21900 | | 21900 | | LF-LK-04 | 1 / 10 | 9200 - 18100 | 8210 |
| Chromium | 0.25 | J | 0.55 | J | SF-LK-05 | 10 / 10 | N/A | 0.36 |
| Cobalt | 0.044 | J | 0.088 | J | SF-LK-01 | 5 / 10 | 0.045 - 0.049 | 0.043 |
| Copper | 0.55 | J | 1 | J | LF-LK-01 | 9 / 10 | 0.94 | 0.74 |
| Cyanide | | | | | | 0 / 10 | 0.37 - 0.57 | 0.24 |
| Iron | 19.1 | | 76.3 | J | SF-LK-05 | 10 / 10 | N/A | 38 |
| Lead | 0.076 | J | 0.68 | J | SF-LK-01 | 2 / 10 | 0.054 - 0.39 | 0.12 |
| Magnesium | | | | | | 0 / 10 | 343 - 521 | 209 |
| Manganese | | | | | | 0 / 10 | 4.3 - 9.6 | 3.3 |
| Mercury | 0.018 | J | 0.041 | J | SF-LK-02 | 3 / 10 | 0.016 - 0.051 | 0.019 |
| Nickel | | | | | | 0 / 10 | 0.036 - 0.072 | 0.024 |
| Potassium | 2830 | J | 3350 | | LF-LK-02 | 10 / 10 | N/A | 3101 |
| Selenium | 0.65 | J | 0.87 | J | LF-LK-01 | 10 / 10 | N/A | 0.75 |
| Silver | | | | | | 0 / 10 | 0.031 - 0.067 | 0.020 |
| Sodium | | | | | | 0 / 10 | 610 - 1130 | 484 |
| Thallium | | | | | | 0 / 10 | 0.11 - 0.16 | 0.070 |
| Vanadium | | | | | | 0 / 7 | 0.15 - 0.3 | 0.11 |
| Zinc | 21 | | 34.7 | J | SF-LK-03 | 10 / 10 | N/A | 26 |
| PERCENT LIPIDS | 1.1 | | 5.1 | | LF-LK-01 | 10 / 10 | N/A | 3.1 |
| % MOISTURE | 66.6 | | 83.5 | | SF-LK-04 | 10 / 10 | N/A | 73 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-189**
**SMALL FISH TISSUE DATA SUMMARY - REACH 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 17 | | 34 | | SF-LK-09 | 4 / 4 | N/A | 27 |
| 4,4'-DDE | 37 | | 37 | | SF-LK-09 | 1 / 4 | 18 - 32 | 19 |
| 4,4'-DDT | 2.3 | | 5.2 | | SF-LK-07 | 3 / 4 | 5 | 3.8 |
| Aldrin | 0.61 | J | 1.4 | J | SF-LK-09 | 2 / 4 | 2.5 - 2.6 | 1.1 |
| alpha-BHC | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| alpha-Chlordane | 17 | | 23 | | SF-LK-06 | 3 / 4 | 9.1 | 16 |
| Aroclor-1016 | | | | | | 0 / 4 | 9.9 - 25 | 11 |
| Aroclor-1221 | | | | | | 0 / 4 | 20 - 50 | 21 |
| Aroclor-1232 | | | | | | 0 / 4 | 9.9 - 25 | 11 |
| Aroclor-1242 | | | | | | 0 / 4 | 9.9 - 25 | 11 |
| Aroclor-1248 | | | | | | 0 / 4 | 9.9 - 25 | 11 |
| Aroclor-1254 | 62 | | 130 | | SF-LK-09 | 4 / 4 | N/A | 97 |
| Aroclor-1260 | 30 | | 66 | | SF-LK-09 | 4 / 4 | N/A | 44 |
| beta-BHC | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| delta-BHC | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| Dieldrin | 4.3 | J | 10 | | SF-LK-09 | 4 / 4 | N/A | 7.1 |
| Endosulfan I | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| Endosulfan II | 2.4 | J | 2.4 | J | SF-LK-07 | 1 / 4 | 2 - 5 | 2.1 |
| Endosulfan sulfate | 1.5 | J | 1.5 | J | SF-LK-08 | 1 / 4 | 4.9 - 5 | 2.2 |
| Endrin | | | | | | 0 / 4 | 3.8 - 7.8 | 2.7 |
| Endrin aldehyde | 2.2 | | 4.9 | J | SF-LK-09 | 2 / 4 | 4.9 - 5 | 3.0 |
| Endrin ketone | | | | | | 0 / 4 | 2 - 5 | 2.1 |
| gamma-BHC (lindane) | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| gamma-Chlordane | 2 | | 15 | | SF-LK-06 | 4 / 4 | N/A | 6.2 |
| Heptachlor | | | | | | 0 / 4 | 1 - 2.6 | 1.1 |
| Heptachlor epoxide | 0.98 | J | 1.8 | J | SF-LK-07 | 4 / 4 | N/A | 1.5 |
| Methoxychlor | | | | | | 0 / 4 | 10 - 26 | 11 |
| Toxaphene | | | | | | 0 / 4 | 100 - 260 | 109 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2.8 | J | 5.9 | J | SF-LK-06 | 4 / 4 | N/A | 5.0 |
| Antimony | | | | | | 0 / 4 | 0.094 - 0.11 | 0.052 |
| Arsenic | | | | | | 0 / 4 | 0.11 - 0.18 | 0.079 |
| Barium | | | | | | 0 / 4 | 0.74 - 1.5 | 0.49 |
| Beryllium | | | | | | 0 / 4 | 0.012 - 0.014 | 0.0065 |
| Cadmium | 0.013 | J | 0.017 | J | SF-LK-08 | 3 / 4 | 0.015 | 0.013 |
| Calcium | 27800 | J | 27800 | J | SF-LK-08 | 1 / 4 | 12100 - 17100 | 12475 |
| Chromium | 0.24 | J | 0.44 | J | SF-LK-08 | 4 / 4 | N/A | 0.32 |
| Cobalt | | | | | | 0 / 4 | 0.043 - 0.05 | 0.024 |
| Copper | 0.52 | J | 0.94 | J | SF-LK-08 | 4 / 4 | N/A | 0.74 |
| Cyanide | | | | | | 0 / 4 | 0.45 - 0.48 | 0.23 |
| Iron | 23.2 | J | 37.1 | J | SF-LK-09 | 4 / 4 | N/A | 31 |
| Lead | | | | | | 0 / 4 | 0.064 - 0.075 | 0.036 |
| Magnesium | | | | | | 0 / 4 | 436 - 653 | 256 |
| Manganese | | | | | | 0 / 4 | 6 - 11.6 | 4.0 |
| Mercury | 0.022 | J | 0.037 | J | SF-LK-08 | 3 / 4 | 0.02 | 0.026 |
| Nickel | | | | | | 0 / 4 | 0.043 - 0.05 | 0.024 |
| Potassium | 2970 | J | 3350 | J | SF-LK-06 | 4 / 4 | N/A | 3115 |
| Selenium | 0.54 | J | 0.62 | J | SF-LK-07 | 4 / 4 | N/A | 0.58 |
| Silver | | | | | | 0 / 4 | 0.034 - 0.04 | 0.019 |
| Sodium | | | | | | 0 / 4 | 803 - 1330 | 565 |
| Thallium | | | | | | 0 / 4 | 0.13 - 0.15 | 0.071 |
| Vanadium | | | | | | 0 / 2 | 0.057 - 0.077 | 0.034 |
| Zinc | 23.3 | J | 29.9 | J | SF-LK-08 | 4 / 4 | N/A | 26 |
| PERCENT LIPIDS | 1.5 | | 2.9 | | SF-LK-07 | 4 / 4 | N/A | 2.4 |
| % MOISTURE | 74 | | 75 | | SF-LK-06 | 4 / 4 | N/A | 75 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-190**
**SMALL FISH TISSUE DATA SUMMARY - REACH 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 18 | | 29 | | SF-RV-04 | 6 / 6 | N/A | 23 |
| 4,4'-DDE | 24 | | 44 | | SF-RV-04 | 6 / 6 | N/A | 32 |
| 4,4'-DDT | 3.6 | J | 9.3 | | SF-RV-04 | 6 / 6 | N/A | 6.3 |
| Aldrin | 3.1 | | 3.1 | | SF-RV-05 | 1 / 6 | 2.5 - 2.6 | 1.6 |
| alpha-BHC | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| alpha-Chlordane | 11 | | 29 | | SF-RV-05 | 6 / 6 | N/A | 19 |
| Aroclor-1016 | | | | | | 0 / 6 | 25 | 13 |
| Aroclor-1221 | | | | | | 0 / 6 | 25 - 50 | 23 |
| Aroclor-1232 | | | | | | 0 / 6 | 25 | 13 |
| Aroclor-1242 | | | | | | 0 / 6 | 25 | 13 |
| Aroclor-1248 | | | | | | 0 / 6 | 25 | 13 |
| Aroclor-1254 | 75 | | 110 | | SF-RV-04 | 5 / 6 | 25 | 78 |
| Aroclor-1260 | 43 | | 65 | | SF-RV-04 | 6 / 6 | N/A | 53 |
| beta-BHC | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| delta-BHC | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| Dieldrin | 6.2 | | 8 | | SF-RV-05 | 6 / 6 | N/A | 6.8 |
| Endosulfan I | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| Endosulfan II | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Endosulfan sulfate | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Endrin | 3.7 | J | 4.5 | J | SF-RV-01 | 3 / 6 | 4.9 - 5 | 3.3 |
| Endrin aldehyde | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Endrin ketone | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| gamma-Chlordane | 2.6 | | 17 | | SF-RV-05 | 6 / 6 | N/A | 9.0 |
| Heptachlor | | | | | | 0 / 6 | 2.5 - 2.6 | 1.3 |
| Heptachlor epoxide | 1.3 | J | 1.4 | J | SF-RV-05 | 3 / 6 | 2.5 - 2.6 | 1.3 |
| Methoxychlor | | | | | | 0 / 6 | 25 - 26 | 13 |
| Toxaphene | | | | | | 0 / 6 | 250 - 260 | 128 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5.7 | J | 12.9 | J | SF-RV-01 | 5 / 6 | 18.9 | 8.1 |
| Antimony | | | | | | 0 / 6 | 0.092 - 0.11 | 0.049 |
| Arsenic | | | | | | 0 / 6 | 0.12 - 0.29 | 0.093 |
| Barium | | | | | | 0 / 6 | 0.89 - 1.1 | 0.49 |
| Beryllium | | | | | | 0 / 6 | 0.0045 - 0.013 | 0.0054 |
| Cadmium | 0.021 | | 0.038 | J | SF-RV-01 | 6 / 6 | N/A | 0.026 |
| Calcium | | | | | | 0 / 6 | 10700 - 15400 | 6325 |
| Chromium | 0.21 | J | 0.32 | J | SF-RV-01 | 6 / 6 | N/A | 0.26 |
| Cobalt | 0.043 | J | 0.09 | J | LF-RV-07 | 5 / 6 | 0.048 | 0.059 |
| Copper | 0.81 | J | 1.3 | | LF-RV-07 | 6 / 6 | N/A | 1.0 |
| Cyanide | | | | | | 0 / 6 | 0.45 - 0.49 | 0.23 |
| Iron | 29.6 | J | 55.7 | J | SF-RV-01 | 6 / 6 | N/A | 38 |
| Lead | 0.071 | J | 0.21 | J | SF-RV-01 | 3 / 6 | 0.063 - 0.079 | 0.077 |
| Magnesium | | | | | | 0 / 6 | 361 - 476 | 204 |
| Manganese | | | | | | 0 / 6 | 11.9 - 22.2 | 8.9 |
| Mercury | 0.024 | J | 0.033 | J | SF-RV-04 | 5 / 6 | 0.023 | 0.027 |
| Nickel | | | | | | 0 / 6 | 0.042 - 0.074 | 0.025 |
| Potassium | 2890 | J | 3540 | J | SF-RV-04 | 6 / 6 | N/A | 3157 |
| Selenium | 0.6 | J | 0.88 | J | SF-RV-01 | 6 / 6 | N/A | 0.74 |
| Silver | | | | | | 0 / 6 | 0.034 - 0.07 | 0.021 |
| Sodium | | | | | | 0 / 6 | 987 - 1170 | 526 |
| Thallium | | | | | | 0 / 6 | 0.13 - 0.16 | 0.069 |
| Vanadium | | | | | | 0 / 5 | 0.073 - 0.33 | 0.11 |
| Zinc | 21.2 | | 25.2 | J | SF-RV-01 | 6 / 6 | N/A | 23 |
| PERCENT LIPIDS | 1.8 | | 3.1 | | SF-RV-05 | 6 / 6 | N/A | 2.2 |
| % MOISTURE | 73.9 | | 76.4 | | LF-RV-07 | 6 / 6 | N/A | 75 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-191**
**SMALL FISH TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 20 | J | 30 | J | SF-LK-11 | 4 / 4 | N/A | 26 |
| 4,4'-DDE | 42 | J | 59 | J | SF-LK-11 | 4 / 4 | N/A | 51 |
| 4,4'-DDT | 2.9 | J | 3.8 | J | SF-LK-13 | 3 / 4 | 9.8 | 4 |
| Aldrin | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| alpha-BHC | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| alpha-Chlordane | 8.9 | J | 14 | J | SF-LK-11 | 4 / 4 | N/A | 11 |
| Aroclor-1016 | | | | | | 0 / 4 | 25 - 50 | 16 |
| Aroclor-1221 | | | | | | 0 / 4 | 49 - 99 | 31 |
| Aroclor-1232 | | | | | | 0 / 4 | 25 - 50 | 16 |
| Aroclor-1242 | | | | | | 0 / 4 | 25 - 50 | 16 |
| Aroclor-1248 | | | | | | 0 / 4 | 25 - 50 | 16 |
| Aroclor-1254 | 74 | J | 110 | J | SF-LK-11 | 4 / 4 | N/A | 92 |
| Aroclor-1260 | 56 | J | 75 | J | SF-LK-12 | 4 / 4 | N/A | 69 |
| beta-BHC | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| delta-BHC | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| Dieldrin | 2.5 | J | 3.5 | J | SF-LK-12 | 3 / 4 | 9.8 | 4 |
| Endosulfan I | 1.4 | J | 1.5 | J | SF-LK-12 | 2 / 4 | 2.5 - 5.1 | 1.7 |
| Endosulfan II | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| Endosulfan sulfate | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| Endrin | 5 | J | 7.2 | J | SF-LK-11 | 4 / 4 | N/A | 6 |
| Endrin aldehyde | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| Endrin ketone | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| gamma-BHC (lindane) | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| gamma-Chlordane | 2.1 | J | 3.5 | J | SF-LK-11 | 4 / 4 | N/A | 3 |
| Heptachlor | | | | | | 0 / 4 | 2.5 - 5.1 | 1.6 |
| Heptachlor epoxide | 1.6 | J | 1.6 | J | SF-LK-12 | 1 / 4 | 2.5 - 5.1 | 1.7 |
| Methoxychlor | | | | | | 0 / 4 | 25 - 51 | 16 |
| Toxaphene | | | | | | 0 / 4 | 250 - 510 | 158 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5.9 | J | 6 | J | SF-LK-10 | 2 / 4 | 5.5 - 5.8 | 4.4 |
| Antimony | | | | | | 0 / 4 | 0.1 - 0.11 | 0.051 |
| Arsenic | | | | | | 0 / 4 | 0.14 - 0.23 | 0.098 |
| Barium | | | | | | 0 / 4 | 1.6 - 2 | 0.90 |
| Beryllium | | | | | | 0 / 4 | 0.012 - 0.013 | 0.0063 |
| Cadmium | 0.032 | J | 0.048 | J | SF-LK-13 | 4 / 4 | N/A | 0.040 |
| Calcium | 13700 | | 13700 | | SF-LK-10 | 1 / 4 | 14500 - 17300 | 9525 |
| Chromium | 0.27 | J | 0.32 | J | SF-LK-13 | 4 / 4 | N/A | 0.28 |
| Cobalt | | | | | | 0 / 4 | 0.046 - 0.05 | 0.024 |
| Copper | 0.69 | J | 1.5 | J | SF-LK-12 | 4 / 4 | N/A | 1.1 |
| Cyanide | | | | | | 0 / 4 | 0.47 - 0.6 | 0.26 |
| Iron | 41.8 | | 51.7 | | SF-LK-12 | 4 / 4 | N/A | 48 |
| Lead | 0.33 | J | 0.39 | J | SF-LK-10 | 4 / 4 | N/A | 0.36 |
| Magnesium | | | | | | 0 / 4 | 432 - 509 | 227 |
| Manganese | 35.6 | J | 35.6 | J | SF-LK-11 | 1 / 4 | 16.9 - 23.8 | 17 |
| Mercury | | | | | | 0 / 4 | 0.017 - 0.021 | 0.010 |
| Nickel | | | | | | 0 / 4 | 0.046 - 0.05 | 0.024 |
| Potassium | 2800 | | 2980 | | SF-LK-11 | 4 / 4 | N/A | 2878 |
| Selenium | 0.62 | J | 0.75 | J | SF-LK-11 | 4 / 4 | N/A | 0.70 |
| Silver | | | | | | 0 / 4 | 0.037 - 0.04 | 0.019 |
| Sodium | | | | | | 0 / 4 | 1010 - 1100 | 529 |
| Thallium | | | | | | 0 / 4 | 0.14 - 0.15 | 0.071 |
| Zinc | 25.2 | J | 27.8 | J | SF-LK-10 | 4 / 4 | N/A | 26 |
| PERCENT LIPIDS | 1.8 | | 2.4 | | SF-LK-11 | 4 / 4 | N/A | 2.1 |
| % MOISTURE | 74 | | 75.2 | | SF-LK-13 | 4 / 4 | N/A | 75 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-192
## SMALL FISH TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4.2 | | 45 | J | LF-LK-01 | 29 / 30 | 9.8 | 24 |
| 4,4'-DDE | 9 | | 59 | J | SF-LK-11 | 27 / 30 | 18 - 32 | 30 |
| 4,4'-DDT | 1.9 | J | 12 | J | LF-LK-04 | 26 / 30 | 2.9 - 9.9 | 5.2 |
| Aldrin | 0.59 | J | 3.1 | | SF-RV-05 | 9 / 30 | 1 - 5.1 | 1.5 |
| alpha-BHC | | | | | | 0 / 30 | 1 - 5.1 | 1.3 |
| alpha-Chlordane | 3.9 | | 42 | J | LF-LK-01 | 28 / 30 | 1 - 9.1 | 18 |
| Aroclor-1016 | | | | | | 0 / 30 | 9.9 - 50 | 13 |
| Aroclor-1221 | | | | | | 0 / 30 | 20 - 100 | 25 |
| Aroclor-1232 | | | | | | 0 / 30 | 9.9 - 50 | 13 |
| Aroclor-1242 | | | | | | 0 / 30 | 9.9 - 50 | 13 |
| Aroclor-1248 | 27 | J | 47 | | SF-RV-10 | 6 / 30 | 9.9 - 50 | 18 |
| Aroclor-1254 | 41 | J | 160 | J | LF-LK-01 | 28 / 30 | 25 - 50 | 89 |
| Aroclor-1260 | 30 | | 110 | J | LF-LK-02 | 30 / 30 | N/A | 68 |
| beta-BHC | 1.4 | | 1.4 | | SF-RV-10 | 1 / 30 | 1 - 5.1 | 1.4 |
| delta-BHC | 1.2 | J | 1.4 | J | SF-LK-02 | 2 / 30 | 1 - 5.1 | 1.3 |
| Dieldrin | 2.5 | J | 39 | J | LF-LK-01 | 28 / 30 | 2.9 - 9.8 | 11 |
| Endosulfan I | 0.57 | J | 2.5 | J | SF-RV-12 | 6 / 30 | 1 - 5.1 | 1.4 |
| Endosulfan II | 2.4 | J | 4.8 | J | SF-RV-12 | 3 / 30 | 2 - 9.9 | 2.8 |
| Endosulfan sulfate | 1.2 | J | 2.6 | J | LF-LK-04 | 4 / 30 | 2 - 9.9 | 2.7 |
| Endrin | 1.6 | J | 8.2 | J | SF-LK-03 | 14 / 30 | 2 - 9.9 | 3.8 |
| Endrin aldehyde | 1.5 | J | 4.9 | J | SF-LK-09 | 7 / 30 | 2 - 9.9 | 2.8 |
| Endrin ketone | 1.9 | J | 2.7 | J | LF-LK-04 | 3 / 30 | 2 - 9.9 | 2.7 |
| gamma-BHC (lindane) | | | | | | 0 / 30 | 1 - 5.1 | 1.3 |
| gamma-Chlordane | 2 | | 20 | J | LF-LK-01 | 29 / 30 | 5.1 | 8.2 |
| Heptachlor | | | | | | 0 / 30 | 1 - 5.1 | 1.3 |
| Heptachlor epoxide | 0.67 | J | 15 | J | LF-LK-01 | 22 / 30 | 1 - 5.1 | 3.4 |
| Methoxychlor | | | | | | 0 / 30 | 10 - 51 | 13 |
| Toxaphene | | | | | | 0 / 30 | 100 - 510 | 132 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2.8 | J | 66.7 | J | SF-LK-02 | 19 / 33 | 2.3 - 21.4 | 8.4 |
| Antimony | 0.14 | | 0.14 | | SF-LK-05 | 1 / 29 | 0.085 - 0.15 | 0.056 |
| Arsenic | 0.59 | | 1.4 | | SF-RV-09 | 3 / 33 | 0.095 - 0.89 | 0.22 |
| Barium | 0.63 | | 1.8 | | LF-LK-05 | 5 / 33 | 0.47 - 2.5 | 0.66 |
| Beryllium | | | | | | 0 / 33 | 0.0045 - 0.014 | 0.0054 |
| Cadmium | 0.013 | J | 0.084 | J | LF-LK-04 | 31 / 32 | 0.015 | 0.028 |
| Calcium | 13700 | | 27800 | J | SF-LK-08 | 3 / 33 | 7170 - 18400 | 8037 |
| Chromium | 0.21 | J | 0.66 | J | SF-RV-07 | 32 / 33 | 0.42 | 0.34 |
| Cobalt | 0.043 | J | 0.12 | J | SF-RV-07 | 17 / 33 | 0.043 - 0.05 | 0.047 |
| Copper | 0.52 | J | 1.7 | J | SF-RV-09 | 29 / 33 | 0.44 - 2.2 | 0.89 |
| Cyanide | | | | | | 0 / 33 | 0.37 - 0.66 | 0.24 |
| Iron | 19.1 | | 236 | J | SF-RV-09 | 30 / 33 | 23 - 71.3 | 52 |
| Lead | 0.071 | J | 0.68 | J | SF-LK-01 | 10 / 33 | 0.054 - 0.39 | 0.13 |
| Magnesium | | | | | | 0 / 33 | 341 - 653 | 218 |
| Manganese | 35.6 | J | 35.6 | J | SF-LK-11 | 1 / 33 | 4.3 - 23.8 | 6.8 |
| Mercury | 0.015 | | 0.054 | J | SF-RV-08 | 17 / 33 | 0.013 - 0.051 | 0.021 |
| Nickel | | | | | | 0 / 33 | 0.036 - 0.074 | 0.024 |
| Potassium | 2800 | | 3600 | J | LF-RV-17 | 33 / 33 | N/A | 3118 |
| Selenium | 0.46 | J | 0.96 | J | SF-RV-10 | 33 / 33 | N/A | 0.71 |
| Silver | | | | | | 0 / 33 | 0.029 - 0.07 | 0.019 |
| Sodium | | | | | | 0 / 33 | 610 - 1330 | 518 |
| Thallium | | | | | | 0 / 33 | 0.11 - 0.16 | 0.070 |
| Vanadium | | | | | | 0 / 19 | 0.056 - 0.33 | 0.091 |
| Zinc | 21 | | 42 | | SF-RV-08 | 33 / 33 | N/A | 26 |
| PERCENT LIPIDS | 0.9 | | 5.1 | | LF-LK-01 | 33 / 33 | N/A | 2.4 |
| % MOISTURE | 66.6 | | 83.5 | | SF-LK-04 | 33 / 33 | N/A | 75 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-193**
**SMALL FISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-01 | LF-LK-02 | LF-LK-03 | LF-LK-04 | LF-LK-05 | LF-LK-36-F | LF-LK-36-O | LF-RV-07 |
|---|---|---|---|---|---|---|---|---|
| Reach | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 |
| Species | white sucker | yellow perch | yellow perch | yellow perch | yellow perch | largemouth bass | largemouth bass | white sucker |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 45 J | 9.8 UJ | 33 J | 37 J | 37 J | 2.3 J | 39 | 25 |
| 4,4'-DDE | 42 J | 43 J | 24 J | 41 J | 32 J | 13 | 200 | 28 |
| 4,4'-DDT | 8.9 J | 11 J | 5.7 J | 12 J | 7.7 J | 1.7 J | 21 | 7.6 J |
| Aldrin | 5.1 UJ | 5 UJ | 5.1 UJ | 0.73 J | 0.68 J | 1.5 U | 2.8 | 2.5 U |
| alpha-Chlordane | 42 J | 39 J | 28 J | 32 J | 32 J | 1.3 J | 15 | 24 |
| Aroclor-1248 | 50 UJ | 49 UJ | 50 UJ | 34 J | 27 J | 15 U | 25 U | 25 U |
| Aroclor-1254 | 160 J | 150 J | 92 J | 130 J | 110 J | 35 | 370 | 25 U |
| Aroclor-1260 | 100 J | 110 J | 70 J | 93 J | 88 J | 38 | 490 | 52 |
| beta-BHC | 5.1 UJ | 5 UJ | 5.1 UJ | 1.7 UJ | 1.5 UJ | 1.5 U | 2.5 U | 2.5 U |
| delta-BHC | 5.1 UJ | 5 UJ | 5.1 UJ | 1 UJ | 1 UJ | 1.5 U | 2.5 U | 2.5 U |
| Dieldrin | 39 J | 34 J | 26 J | 27 J | 25 J | 3 U | 8.5 | 7.2 J |
| Endosulfan I | 5.1 UJ | 5 UJ | 5.1 UJ | 1 UJ | 1 UJ | 1.5 U | 2.5 U | 2.5 U |
| Endosulfan II | 9.8 UJ | 9.8 UJ | 9.8 UJ | 3.9 UJ | 5 UJ | 3 U | 13 U | 4.9 U |
| Endosulfan sulfate | 9.8 UJ | 9.8 UJ | 9.8 UJ | 2.6 J | 2.3 J | 3 U | 4.9 U | 4.9 U |
| Endrin | 9.8 UJ | 9.8 UJ | 9.8 UJ | 2.1 J | 2 UJ | 2.8 J | 32 | 4.9 U |
| Endrin aldehyde | 9.8 UJ | 9.8 UJ | 9.8 UJ | 2 UJ | 2 UJ | 1 J | 13 | 4.9 U |
| Endrin ketone | 9.8 UJ | 9.8 UJ | 9.8 UJ | 2.7 J | 2.3 J | 3 U | 4.9 U | 4.9 U |
| gamma-Chlordane | 20 J | 18 J | 13 J | 14 J | 13 J | 1.5 U | 6.6 | 14 |
| Heptachlor epoxide | 15 J | 14 J | 9.8 J | 10 J | 9.3 J | 1.5 U | 1.4 J | 1.3 J |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 4.2 UJ | 2.3 UJ | 4.4 UJ | 3.6 UJ | 5.8 J | 1.9 UJ | 3.1 UJ | 18.9 UJ |
| Antimony | 0.098 U | R | 0.11 U | R | R | 0.1 U | 0.083 U | 0.11 U |
| Arsenic | 0.19 U | 0.1 UJ | 0.24 U | 0.095 UJ | 0.16 UJ | 0.095 U | 0.079 U | 0.21 UJ |
| Barium | 1.5 | 0.76 | 0.63 | 1.6 | 1.8 | 0.15 U | 0.7 UJ | 0.92 UJ |
| Cadmium | 0.017 J | 0.02 J | 0.015 | 0.084 J | 0.027 J | 0.015 | 0.018 J | 0.025 |
| Calcium | 14600 U | 11200 U | 9200 U | 21900 | 18100 U | 104 UJ | 24600 J | 10700 UJ |
| Chromium | 0.36 J | 0.25 J | 0.26 J | 0.46 J | 0.41 J | 0.058 J | 0.31 J | 0.25 J |
| Cobalt | 0.045 UJ | 0.058 J | 0.06 J | 0.044 J | 0.059 J | 0.045 J | 0.038 UJ | 0.09 J |
| Copper | 1 J | 0.79 J | 0.6 | 0.89 J | 0.55 J | 0.17 | 1.2 J | 1.3 |
| Cyanide | 0.5 U | 0.46 U | 0.37 U | 0.52 U | 0.38 U | 0.43 UJ | 0.47 J | 0.49 U |
| Iron | 36.2 | 19.1 | 28.1 | 23.9 | 28.5 | 4.1 UJ | 33.5 J | 39.1 J |
| Lead | 0.067 UJ | 0.062 UJ | 0.076 J | 0.054 UJ | 0.074 UJ | 0.068 UJ | 0.056 UJ | 0.079 U |
| Manganese | 9.6 UJ | 4.4 UJ | 4.3 U | 8.9 UJ | 8.4 UJ | 0.077 U | 2.1 UJ | 22.2 U |
| Mercury | 0.016 UJ | 0.034 UJ | 0.027 UJ | 0.038 UJ | 0.02 UJ | 0.26 J | 0.13 J | 0.023 UJ |
| Potassium | 3250 | 3350 | 3350 | 3310 | 3030 | 3570 J | 2640 J | 2980 |
| Selenium | 0.87 J | 0.82 J | 0.7 J | 0.66 J | 0.78 J | 0.74 J | 0.78 J | 0.69 J |
| Zinc | 21.1 J | 22.1 J | 21 | 24.8 J | 25.4 J | 7.4 | 23.5 J | 24.2 |
| PERCENT LIPIDS | 5.1 | 4.9 | 3.9 | 4.3 | 3.6 | 0.3 | 2 | 2.3 |
| % MOISTURE | 68.6 | 66.6 | 66.9 | 69.8 | 69.6 | 78.7 | 65.6 | 76.4 |

**TABLE 2-193**
**SMALL FISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-RV-17 | LF-RV-18 | SF-LK-01 | SF-LK-02 | SF-LK-03 | SF-LK-04 | SF-LK-05 | SF-LK-06 |
|---|---|---|---|---|---|---|---|---|
| Reach | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 4 |
| Species | white sucker | white sucker | pumpkin seed | pumpkin seed | pumpkin seed | white sucker | white sucker | white sucker |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 27 J | 19 | 27 | 32 J | 27 J | 16 J | 16 J | 26 |
| 4,4'-DDE | 21 J | 16 | 31 | 31 J | 30 J | 19 J | 18 J | 25 U |
| 4,4'-DDT | 9.9 U | 2.5 J | 8.3 J | 7.1 J | 4.4 J | 2.4 J | 2 J | 5 U |
| Aldrin | 5.1 U | 2 U | 5.1 U | 2.3 J | 1.3 J | 1 U | 1.1 | 2.6 U |
| alpha-Chlordane | 25 J | 16 | 12 J | 17 J | 18 J | 8.9 J | 12 J | 23 |
| Aroclor-1248 | 50 U | 27 J | 50 U | 25 U | 25 U | 9.9 U | 10 U | 25 U |
| Aroclor-1254 | 93 J | 52 | 50 U | 130 J | 130 J | 57 J | 50 J | 97 |
| Aroclor-1260 | 55 | 45 | 84 | 98 J | 87 J | 60 J | 53 J | 30 |
| beta-BHC | 5.1 U | 2 U | 5.1 U | 2.6 U | 2.6 U | 1 U | 1 U | 2.6 U |
| delta-BHC | 5.1 U | 2 U | 5.1 U | 1.4 J | 1.2 J | 1 U | 1 U | 2.6 U |
| Dieldrin | 12 J | 7.2 | 11 J | 17 J | 13 J | 4.8 J | 4.2 J | 7.5 |
| Endosulfan I | 5.1 U | 2 U | 5.1 U | 2.6 U | 2.6 U | 1 U | 0.57 J | 2.6 U |
| Endosulfan II | 9.9 U | 4 U | 9.8 U | 5 U | 5 U | 2 U | 2 U | 5 U |
| Endosulfan sulfate | 9.9 U | 4 U | 9.8 U | 5 U | 5 U | 2 U | 2 U | 5 U |
| Endrin | 9.9 U | 4 U | 9.8 UJ | 6.9 J | 8.2 J | 3.7 J | 3.2 J | 5 U |
| Endrin aldehyde | 9.9 U | 4 U | 9.8 U | 3 J | 3 J | 2.2 J | 1.9 J | 5 U |
| Endrin ketone | 9.9 U | 4 U | 9.8 U | 5 U | 5 U | 2 U | 2 U | 5 U |
| gamma-Chlordane | 15 J | 10 | 5.1 U | 4.1 J | 4.6 J | 7.8 J | 8.1 J | 15 |
| Heptachlor epoxide | 4.1 J | 2.5 J | 5.1 U | 2.2 J | 2.1 J | 0.78 J | 0.67 J | 1.5 J |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 3.8 UJ | 6 UJ | 10.9 J | 66.7 J | 5.5 J | 11.4 J | 20.5 J | 5.9 J |
| Antimony | 0.11 U | 0.15 UJ | 0.11 U | 0.11 U | 0.1 U | 0.11 U | 0.14 | 0.11 U |
| Arsenic | 0.2 UJ | 0.23 U | 0.43 UJ | 0.34 UJ | 0.5 UJ | 0.5 UJ | 0.53 UJ | 0.18 UJ |
| Barium | 0.81 U | 0.59 U | 0.58 U | 0.47 U | 0.64 U | 0.77 U | 0.93 U | 0.74 UJ |
| Cadmium | 0.016 J | 0.02 | R | 0.043 J | 0.02 J | 0.019 | 0.031 | 0.015 U |
| Calcium | 15800 UJ | 7170 UJ | 16300 UJ | 13400 UJ | 15900 UJ | 10400 UJ | 11300 UJ | 12100 UJ |
| Chromium | 0.33 J | 0.22 J | 0.4 J | 0.27 J | 0.28 J | 0.33 J | 0.55 J | 0.28 J |
| Cobalt | 0.05 U | 0.05 UJ | 0.088 J | 0.049 UJ | 0.047 UJ | 0.049 UJ | 0.047 UJ | 0.05 UJ |
| Copper | 0.44 UJ | 0.54 | 0.92 J | 0.83 J | 0.59 J | 0.71 | 0.94 U | 0.69 |
| Cyanide | 0.54 U | 0.46 U | 0.5 U | 0.51 UJ | 0.56 UJ | 0.49 UJ | 0.57 UJ | 0.47 U |
| Iron | 23 UJ | 48.3 J | 49.3 J | 34.5 J | 37.6 J | 44.6 J | 76.3 J | 30.6 J |
| Lead | 0.074 U | 0.13 UJ | 0.68 J | 0.074 UJ | 0.07 UJ | 0.15 UJ | 0.39 UJ | 0.075 U |
| Manganese | 6.6 UJ | 6.4 U | 5.2 UJ | 4.6 UJ | 5.5 UJ | 7.7 U | 7.7 U | 7.5 U |
| Mercury | 0.02 UJ | 0.016 | 0.051 UJ | 0.041 J | 0.032 J | 0.017 UJ | 0.018 J | 0.02 UJ |
| Potassium | 3600 J | 3270 J | 2830 J | 3060 J | 2940 J | 2880 J | 3010 J | 3350 J |
| Selenium | 0.46 J | 0.86 J | 0.87 J | 0.66 J | 0.79 J | 0.7 J | 0.65 J | 0.61 J |
| Zinc | 25.9 J | 22.6 | 29.6 J | 29.2 J | 34.7 J | 24.1 | 29 | 25.7 J |
| PERCENT LIPIDS | 2.6 | 1.8 | 1.6 | 2.6 | 2.4 | 1.3 | 1.1 | 2.6 |
| % MOISTURE | 76.9 | 76.7 | 76.4 | 74.8 | 80.6 | 83.5 | 73.3 | 75 |

**TABLE 2-193**
**SMALL FISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SF-LK-07 | SF-LK-08 | SF-LK-09 | SF-LK-10 | SF-LK-11 | SF-LK-12 | SF-LK-13 | SF-RV-01 |
|---|---|---|---|---|---|---|---|---|
| Reach | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 5 |
| Species | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed | pumpkin seed |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 32 | 17 | 34 | 20 J | 30 J | 29 J | 23 J | 21 |
| 4,4'-DDE | 32 U | 18 U | 37 | 42 J | 59 J | 53 J | 49 J | 31 |
| 4,4'-DDT | 5.2 | 2.3 | 5 | 2.9 J | 9.8 U | 3.7 J | 3.8 J | 4.3 J |
| Aldrin | 2.5 U | 0.61 J | 1.4 J | 2.5 U | 5.1 U | 2.5 U | 2.5 U | 2.6 U |
| alpha-Chlordane | 18 | 9.1 U | 17 | 8.9 J | 14 J | 12 J | 10 J | 12 |
| Aroclor-1248 | 25 U | 9.9 U | 25 U | 25 U | 50 U | 25 U | 25 U | 25 U |
| Aroclor-1254 | 100 | 62 | 130 | 74 J | 110 J | 95 J | 87 J | 84 |
| Aroclor-1260 | 46 | 34 | 66 | 56 J | 72 J | 75 J | 74 J | 52 |
| beta-BHC | 2.5 U | 1 U | 2.6 U | 2.5 U | 5.1 U | 2.5 U | 2.5 U | 2.6 U |
| delta-BHC | 2.5 U | 1 U | 2.6 U | 2.5 U | 5.1 U | 2.5 U | 2.5 U | 2.6 U |
| Dieldrin | 4.3 J | 6.7 | 10 | 2.5 J | 9.8 U | 3.5 J | 3.3 J | 6.5 |
| Endosulfan I | 2.5 U | 1 U | 2.6 U | 2.5 U | 5.1 U | 1.5 J | 1.4 J | 2.6 U |
| Endosulfan II | 2.4 J | 2 U | 5 U | 4.9 U | 9.8 U | 4.9 U | 4.9 U | 5 U |
| Endosulfan sulfate | 4.9 U | 1.5 J | 5 U | 4.9 U | 9.8 U | 4.9 U | 4.9 U | 5 U |
| Endrin | 4.9 U | 3.8 U | 7.8 U | 5 J | 7.2 J | 6.3 J | 5.9 J | 4.5 J |
| Endrin aldehyde | 4.9 U | 2.2 | 4.9 J | 4.9 U | 9.8 U | 4.9 U | 4.9 U | 5 U |
| Endrin ketone | 4.9 U | 2 U | 5 U | 4.9 U | 9.8 U | 4.9 U | 4.9 U | 5 U |
| gamma-Chlordane | 3.9 | 2 | 3.8 | 2.1 J | 3.5 J | 2.9 J | 2.3 J | 2.8 |
| Heptachlor epoxide | 1.8 J | 0.98 J | 1.7 J | 2.5 U | 5.1 U | 1.6 J | 2.5 U | 2.6 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 2.8 J | 5.4 J | 5.7 J | 6 J | 5.8 UJ | 5.9 J | 5.5 UJ | 12.9 J |
| Antimony | 0.094 U | 0.11 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.11 U | 0.094 U |
| Arsenic | 0.18 UJ | 0.16 UJ | 0.11 UJ | 0.21 U | 0.23 U | 0.14 UJ | 0.2 UJ | 0.29 U |
| Barium | 0.83 UJ | 1.5 UJ | 0.82 UJ | 1.6 U | 1.8 U | 1.8 U | 2 U | 1.1 UJ |
| Cadmium | 0.013 J | 0.017 J | 0.015 J | 0.032 J | 0.036 J | 0.044 J | 0.048 J | 0.038 J |
| Calcium | 15000 UJ | 27800 J | 17100 UJ | 13700 | 14500 U | 17000 U | 17300 U | 13600 UJ |
| Chromium | 0.24 J | 0.44 J | 0.32 J | 0.27 J | 0.27 J | 0.27 J | 0.32 J | 0.32 J |
| Cobalt | 0.043 UJ | 0.049 UJ | 0.047 UJ | 0.046 UJ | 0.046 UJ | 0.047 UJ | 0.05 UJ | 0.069 J |
| Copper | 0.52 J | 0.94 J | 0.82 J | 1.3 J | 0.69 J | 1.5 J | 0.99 J | 1 J |
| Cyanide | 0.45 U | 0.48 U | 0.46 U | 0.6 U | 0.49 U | 0.48 U | 0.47 U | 0.46 UJ |
| Iron | 23.2 J | 32.9 J | 37.1 J | 48.4 | 51.2 | 51.7 | 41.8 | 55.7 J |
| Lead | 0.064 UJ | 0.074 UJ | 0.071 UJ | 0.39 J | 0.33 J | 0.37 J | 0.34 J | 0.21 J |
| Manganese | 6 UJ | 11.6 UJ | 6.8 UJ | 16.9 UJ | 35.6 J | 23.8 UJ | 20.1 UJ | 15.6 UJ |
| Mercury | 0.036 J | 0.037 J | 0.022 J | 0.021 U | 0.017 U | 0.018 U | 0.02 U | 0.028 J |
| Potassium | 2970 J | 3080 J | 3060 J | 2820 | 2980 | 2800 | 2910 | 2900 J |
| Selenium | 0.62 J | 0.56 J | 0.54 J | 0.69 J | 0.75 J | 0.62 J | 0.72 J | 0.88 J |
| Zinc | 23.3 J | 29.9 J | 24.8 J | 27.8 J | 25.2 J | 25.2 J | 25.4 J | 25.2 J |
| PERCENT LIPIDS | 2.9 | 1.5 | 2.5 | 1.8 | 2.4 | 2.1 | 2.2 | 2 |
| % MOISTURE | 74 | 74.4 | 74.9 | 74 | 75.1 | 75.1 | 75.2 | 74.5 |

**TABLE 2-193**
**SMALL FISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SF-RV-02 | SF-RV-03 | SF-RV-04 | SF-RV-05 | SF-RV-06 | SF-RV-07 | SF-RV-08 | SF-RV-09 |
|---|---|---|---|---|---|---|---|---|
| Reach | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 1 |
| Species | pumpkin seed | pumpkin seed | pumpkin seed | white sucker | white sucker | white sucker | redfin pickerel | brown bullhead |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 18 | 18 | 29 | 29 | 14 J | NA | NA | NA |
| 4,4'-DDE | 24 | 26 | 44 | 41 | 15 J | NA | NA | NA |
| 4,4'-DDT | 3.6 J | 4.6 J | 9.3 | 8.3 | 1.9 J | NA | NA | NA |
| Aldrin | 2.5 U | 2.6 U | 2.5 U | 3.1 | 1 U | NA | NA | NA |
| alpha-Chlordane | 11 | 11 | 27 | 29 | 10 J | NA | NA | NA |
| Aroclor-1248 | 25 U | 25 U | 25 U | 25 U | 10 U | NA | NA | NA |
| Aroclor-1254 | 75 | 77 | 110 | 110 | 41 J | NA | NA | NA |
| Aroclor-1260 | 45 | 43 | 65 | 61 | 46 J | NA | NA | NA |
| beta-BHC | 2.5 U | 2.6 U | 2.5 U | 2.6 U | 1 U | NA | NA | NA |
| delta-BHC | 2.5 U | 2.6 U | 2.5 U | 2.6 U | 1 U | NA | NA | NA |
| Dieldrin | 6.3 | 6.2 | 6.7 | 8 | 5.3 J | NA | NA | NA |
| Endosulfan I | 2.5 U | 2.6 U | 2.5 U | 2.6 U | 1 U | NA | NA | NA |
| Endosulfan II | 4.9 U | 5 U | 4.9 U | 5 U | 2 U | NA | NA | NA |
| Endosulfan sulfate | 4.9 U | 5 U | 4.9 U | 5 U | 2 U | NA | NA | NA |
| Endrin | 3.7 J | 4.1 J | 4.9 U | 5 U | 2.8 J | NA | NA | NA |
| Endrin aldehyde | 4.9 U | 5 U | 4.9 U | 5 U | 1.5 J | NA | NA | NA |
| Endrin ketone | 4.9 U | 5 U | 4.9 U | 5 U | 2 U | NA | NA | NA |
| gamma-Chlordane | 2.8 | 2.6 | 15 | 17 | 6.1 J | NA | NA | NA |
| Heptachlor epoxide | 2.5 U | 2.6 U | 1.3 J | 1.4 J | 1 U | NA | NA | NA |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 6.8 J | 5.7 J | 7.9 J | 6.1 J | 19.7 J | 15.3 UJ | 7.9 UJ | 21.4 UJ |
| Antimony | 0.095 U | 0.1 U | 0.092 U | 0.1 U | 0.1 U | 0.085 U | 0.11 U | 0.13 UJ |
| Arsenic | 0.22 U | 0.16 UJ | 0.12 UJ | 0.12 UJ | 0.32 U | 0.52 U | 0.7 U | 1.4 |
| Barium | 1 UJ | 1 UJ | 0.89 UJ | 0.98 UJ | 1.4 U | 2.5 U | 1.2 U | 1.1 U |
| Cadmium | 0.025 J | 0.021 | 0.027 J | 0.022 | 0.032 | 0.017 | 0.065 | 0.037 J |
| Calcium | 13400 UJ | 11600 UJ | 15400 UJ | 11200 UJ | 10500 U | 11500 UJ | 8290 UJ | 11400 UJ |
| Chromium | 0.27 J | 0.21 J | 0.29 J | 0.21 J | 0.5 J | 0.66 J | 0.37 J | 0.63 J |
| Cobalt | 0.058 J | 0.048 UJ | 0.043 J | 0.067 J | 0.078 J | 0.12 J | 0.05 J | 0.12 J |
| Copper | 1.1 J | 1 | 0.81 J | 0.93 | 1.1 | 1.2 U | 2.2 U | 1.7 J |
| Cyanide | 0.45 UJ | 0.49 UJ | 0.45 U | 0.47 U | 0.53 U | 0.66 U | 0.53 U | 0.5 U |
| Iron | 37.3 J | 32.1 J | 33.3 J | 29.6 J | 60.2 | 71.3 UJ | 43.6 UJ | 236 J |
| Lead | 0.071 J | 0.077 J | 0.063 UJ | 0.071 U | 0.38 J | 0.21 UJ | 0.17 UJ | 0.35 UJ |
| Manganese | 17.3 UJ | 11.9 U | 18.2 UJ | 21 U | 11.8 U | 18.8 U | 7.9 U | 23.5 UJ |
| Mercury | 0.031 J | 0.024 J | 0.033 J | 0.032 J | 0.022 U | 0.028 J | 0.054 J | 0.032 |
| Potassium | 3230 J | 2890 J | 3540 J | 3400 J | 3040 | 3000 J | 3290 J | 2990 J |
| Selenium | 0.87 J | 0.8 J | 0.61 J | 0.6 J | 0.74 J | 0.67 J | 0.53 J | 0.68 J |
| Zinc | 23.4 J | 21.2 | 22.1 J | 22.4 J | 28.5 | 31.8 | 42 | 22.1 J |
| PERCENT LIPIDS | 1.8 | 1.9 | 2.2 | 3.1 | 1.4 | 0.9 | 2.4 | 3.4 |
| % MOISTURE | 76.1 | 74.6 | 73.9 | 75.6 | 78.6 | 81.7 | 77.6 | 79.5 |

**TABLE 2-193**
**SMALL FISH TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SF-RV-10 | SF-RV-12 | SF-RV-13 |
|---|---|---|---|
| Reach | 1 | 1 | 1 |
| Species | pumpkin seed | white sucker | white sucker |
| SVOCs (ug/Kg) | | | |
| No Detections | | | |
| PCB/Pesticides (ug/Kg) | | | |
| 4,4'-DDD | 9 | 26 | 4.2 |
| 4,4'-DDE | 16 J | 29 | 9 |
| 4,4'-DDT | 2.7 J | 3.6 J | 2.9 U |
| Aldrin | 0.59 J | 2.3 U | 1.5 U |
| alpha-Chlordane | 1 U | 22 | 3.9 |
| Aroclor-1248 | 47 | 44 J | 31 J |
| Aroclor-1254 | 84 | 110 | 46 J |
| Aroclor-1260 | 95 | 100 | 70 |
| beta-BHC | 1.4 | 2.3 U | 1.5 U |
| delta-BHC | 1 U | 2.3 U | 1.5 U |
| Dieldrin | 4.9 | 6.4 | 2.9 U |
| Endosulfan I | 1.7 J | 2.5 J | 1.3 J |
| Endosulfan II | 4 J | 4.8 J | 2.9 U |
| Endosulfan sulfate | 1.2 J | 4.4 U | 2.9 U |
| Endrin | 1.6 J | 4.4 U | 2.9 U |
| Endrin aldehyde | 2 U | 4.4 U | 2.9 U |
| Endrin ketone | 1.9 J | 4.4 U | 2.9 U |
| gamma-Chlordane | 2.8 | 15 | 2.8 |
| Heptachlor epoxide | 4.6 J | 3.1 J | 1.3 J |
| Metals (mg/Kg) | | | |
| Aluminum | 10.3 UJ | 8.1 UJ | 8.3 J |
| Antimony | 0.11 U | 0.11 U | R |
| Arsenic | 0.59 | 0.89 U | 1 J |
| Barium | 0.77 U | 1.1 U | 1.3 U |
| Cadmium | 0.032 J | 0.016 J | 0.017 J |
| Calcium | 18400 UJ | 18400 UJ | 12900 UJ |
| Chromium | 0.47 J | 0.44 J | 0.42 UJ |
| Cobalt | 0.058 J | 0.058 J | 0.056 J |
| Copper | 1.3 J | 0.78 J | 1.1 J |
| Cyanide | 0.45 U | 0.38 U | 0.45 U |
| Iron | 82.7 J | 152 J | 152 J |
| Lead | 0.13 UJ | 0.1 UJ | 0.078 UJ |
| Manganese | 21.2 UJ | 10.1 UJ | 9.3 UJ |
| Mercury | 0.031 | 0.015 | 0.013 UJ |
| Potassium | 3160 J | 3410 J | 3230 J |
| Selenium | 0.96 J | 0.71 J | 0.89 J |
| Zinc | 35.3 J | 29.2 J | 29.9 J |
| PERCENT LIPIDS | 1.9 | 2 | 1.4 |
| % MOISTURE | 74.5 | 77.7 | 79.6 |

**TABLE 2-194**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 1,2-Dichlorobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 1,3-Dichlorobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 1,4-Dichlorobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,4-Dichlorophenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,4-Dimethylphenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,4-Dinitrophenol | | | | | | 0 / 10 | 2000 - 2700 | 1310 |
| 2,4-Dinitrotoluene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2,6-Dinitrotoluene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2-Chloronaphthalene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2-Chlorophenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2-Methylnaphthalene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2-Methylphenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 2-Nitroaniline | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| 2-Nitrophenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 3-Nitroaniline | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 4-Chloroaniline | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 4-Methylphenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| 4-Nitroaniline | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| 4-Nitrophenol | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| Acenaphthene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Acenaphthylene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Anthracene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Benzo(a)anthracene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Benzo(a)pyrene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Benzo(b)fluoranthene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Benzo(g,h,i)perylene | 400 | J | 400 | J | LF-LB-08-F | 1 / 12 | 820 - 3300 | 618 |
| Benzo(k)fluoranthene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 12 | 820 - 3300 | 630 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Butylbenzylphthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Carbazole | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Chrysene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Dibenz(a,h)anthracene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Dibenzofuran | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Diethylphthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Dimethylphthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Di-n-Butylphthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Di-n-octylphthalate | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Fluoranthene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Fluorene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Hexachlorobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Hexachlorobutadiene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Hexachlorocyclopentadiene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Hexachloroethane | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Isophorone | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Naphthalene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Nitrobenzene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 12 | 820 - 3300 | 630 |
| N-Nitrosodiphenylamine | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Pentachlorophenol | | | | | | 0 / 12 | 2000 - 8000 | 1538 |
| Phenanthrene | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Phenol | | | | | | 0 / 12 | 820 - 3300 | 630 |
| Pyrene | | | | | | 0 / 12 | 820 - 3300 | 630 |

**TABLE 2-194**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 6.4 | J | 6.4 | J | LF-LB-15-F | 1 / 13 | 0.98 - 4.9 | 1.2 |
| 4,4'-DDE | 2.8 | | 32 | J | LF-LB-15-F | 12 / 12 | N/A | 9.1 |
| 4,4'-DDT | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Aldrin | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| alpha-BHC | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| alpha-Chlordane | 0.29 | J | 0.33 | J | LF-LB-04-F | 3 / 13 | 0.51 - 2.7 | 0.47 |
| Aroclor-1016 | | | | | | 0 / 13 | 5 - 26 | 4.5 |
| Aroclor-1221 | | | | | | 0 / 13 | 9.9 - 53 | 8.9 |
| Aroclor-1232 | | | | | | 0 / 13 | 5 - 26 | 4.5 |
| Aroclor-1242 | | | | | | 0 / 13 | 5 - 26 | 4.5 |
| Aroclor-1248 | | | | | | 0 / 13 | 5 - 26 | 4.5 |
| Aroclor-1254 | | | | | | 0 / 13 | 5 - 26 | 4.5 |
| Aroclor-1260 | 5.1 | | 130 | J | LF-LB-15-F | 13 / 13 | N/A | 22 |
| beta-BHC | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| delta-BHC | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| Dieldrin | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Endosulfan I | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| Endosulfan II | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Endosulfan sulfate | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Endrin | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Endrin aldehyde | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| Endrin ketone | | | | | | 0 / 13 | 0.98 - 5.2 | 0.88 |
| gamma-BHC (lindane) | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| gamma-Chlordane | | | | | | 0 / 13 | 0.5 - 2.7 | 0.46 |
| Heptachlor | 0.39 | J | 0.39 | J | LF-LB-04-F | 1 / 13 | 0.5 - 2.7 | 0.47 |
| Heptachlor epoxide | 0.34 | J | 0.34 | J | LF-LB-05-F | 1 / 13 | 0.51 - 2.7 | 0.46 |
| Methoxychlor | | | | | | 0 / 13 | 5 - 27 | 4.6 |
| Toxaphene | | | | | | 0 / 13 | 50 - 270 | 46 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 0.13 | J | 0.48 | J | LF-LB-03-F | 2 / 29 | 0.48 - 10 | 3.0 |
| Antimony | | | | | | 0 / 29 | 0.0014 - 0.5 | 0.15 |
| Arsenic | 0.0219 | J | 0.0806 | J | FI-MC-PP-LMB17-F | 16 / 29 | 0.082 - 0.1 | 0.044 |
| Barium | 0.06 | J | 0.06 | J | FI-MC-PP-WS3-F | 1 / 29 | 0.13 - 10 | 2.6 |
| Beryllium | | | | | | 0 / 29 | 0.0038 - 1 | 0.26 |
| Cadmium | | | | | | 0 / 29 | 0.0014 - 0.5 | 0.13 |
| Calcium | | | | | | 0 / 13 | 83.5 - 1000 | 154 |
| Chromium | 0.057 | J | 0.81 | J | FI-MC-PP-WS3-F | 11 / 29 | 0.072 - 1 | 0.32 |
| Cobalt | 0.0084 | J | 0.049 | J | LF-LB-03-F | 6 / 29 | 0.039 - 10 | 2.6 |
| Copper | 0.12 | | 0.27 | J | FI-MC-PP-WS3-F | 6 / 29 | 0.19 - 10 | 2.7 |
| Cyanide | | | | | | 0 / 13 | 0.36 - 0.61 | 0.26 |
| Iron | 5.7 | J | 24.9 | J | LF-LB-15-F | 5 / 29 | 3.5 - 10 | 5.4 |
| Lead | 0.059 | | 0.061 | | LF-LB-14-F | 3 / 29 | 0.018 - 1 | 0.28 |
| Magnesium | | | | | | 0 / 13 | 239 - 334 | 148 |
| Manganese | 0.37 | J | 0.37 | J | FI-MC-PP-WS3-F | 1 / 29 | 0.13 - 10 | 2.7 |
| Mercury | 0.1 | | 1 | | LF-LB-09-F | 25 / 29 | 0.025 - 0.15 | 0.31 |
| Nickel | 0.016 | J | 0.016 | J | FI-MC-PP-WS3-F | 1 / 29 | 0.039 - 10 | 2.6 |
| Potassium | 3560 | J | 4650 | J | LF-LB-14-F | 13 / 13 | N/A | 4042 |
| Selenium | 0.52 | J | 0.8 | J | LF-LB-06-F | 16 / 29 | 0.5 | 0.45 |
| Silver | | | | | | 0 / 29 | 0.00041 - 0.5 | 0.14 |
| Sodium | | | | | | 0 / 13 | 318 - 786 | 222 |
| Thallium | | | | | | 0 / 29 | 0.0089 - 2 | 0.55 |
| Vanadium | 0.04 | J | 0.04 | J | FI-MC-PP-WS3-F | 1 / 29 | 0.045 - 0.5 | 0.14 |
| Zinc | 3.3 | | 8.3 | | FI-MC-PP-WS13-F | 25 / 29 | 4.3 - 5.2 | 5.1 |
| PERCENT LIPIDS | 0.2 | | 1 | | LF-LB-15-F | 13 / 13 | N/A | 0.49 |
| % MOISTURE | 77.7 | | 82.7 | | LF-LB-09-F | 13 / 13 | N/A | 80 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-195**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | FI-MC-PP-BB1-F | FI-MC-PP-LMB15-F | FI-MC-PP-LMB17-F | FI-MC-PP-LMB2-F | FI-MC-PP-LMB5-F | FI-MC-PP-LMB6-F |
|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | brown bullhead | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA |
| Heptachlor epoxide | NA | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Arsenic | 0.0294 J | 0.0406 J | 0.0806 J | 0.0724 J | 0.0456 J | 0.0379 J |
| Barium | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chromium | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Cobalt | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Copper | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Iron | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Lead | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Manganese | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Mercury | 0.1 U | 0.42 | 0.38 | 0.29 | 0.43 | 0.54 |
| Nickel | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Potassium | NA | NA | NA | NA | NA | NA |
| Selenium | 0.5 U | 0.5 U | 0.79 | 0.59 | 0.5 U | 0.5 U |
| Vanadium | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Zinc | 3.3 | 4.6 | 4.4 | 5.8 | 4.6 | 4.4 |
| PERCENT LIPIDS | NA | NA | NA | NA | NA | NA |
| % MOISTURE | NA | NA | NA | NA | NA | NA |

**TABLE 2-195**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | FI-MC-PP-WS11-F | FI-MC-PP-WS13-F | FI-MC-PP-WS1-F | FI-MC-PP-WS3-F | FI-MC-PP-WS8-F | FI-MC-SP-LMB12-F |
|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | white sucker | white sucker | white sucker | white sucker | white sucker | largemouth bass |
| SVOCs (ug/Kg) | | | | | | |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | NA | NA |
| 4,4'-DDE | NA | NA | NA | NA | NA | NA |
| alpha-Chlordane | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | NA | NA | NA | NA | NA |
| Heptachlor | NA | NA | NA | NA | NA | NA |
| Heptachlor epoxide | NA | NA | NA | NA | NA | NA |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 10 U | 10 U | 10 U | 0.13 J | 10 U | 10 U |
| Arsenic | 0.0454 J | 0.0553 J | 0.0262 J | 0.041 B | 0.0239 J | 0.0337 J |
| Barium | 10 U | 10 U | 10 U | 0.06 B | 10 U | 10 U |
| Chromium | 1 U | 1 U | 1 U | 0.81 J | 1 U | 1 U |
| Cobalt | 10 U | 10 U | 10 U | 0.0084 J | 10 U | 10 U |
| Copper | 10 U | 10 U | 10 U | 0.27 B | 10 U | 10 U |
| Iron | 10 U | 10 U | 10 U | 5.7 J | 10 U | 10 U |
| Lead | 1 U | 1 U | 1 U | 0.018 U | 1 U | 1 U |
| Manganese | 10 U | 10 U | 10 U | 0.37 J | 10 U | 10 U |
| Mercury | 0.1 | 0.23 | 0.21 | 0.23 | 0.15 | 0.16 |
| Nickel | 10 U | 10 U | 10 U | 0.016 B | 10 U | 10 U |
| Potassium | NA | NA | NA | NA | NA | NA |
| Selenium | 0.5 U | 0.5 U | 0.5 U | 0.54 | 0.5 U | 0.5 U |
| Vanadium | 0.5 U | 0.5 U | 0.5 U | 0.04 B | 0.5 U | 0.5 U |
| Zinc | 7 | 8.3 | 5.5 | 8.1 BJ | 6.7 | 6.5 |
| PERCENT LIPIDS | NA | NA | NA | NA | NA | NA |
| % MOISTURE | NA | NA | NA | NA | NA | NA |

**TABLE 2-195**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | FI-MC-SP-LMB2-F | FI-MC-SP-LMB4-F | FI-MC-SP-LMB5-F | FI-MC-SP-LMB9-F | LF-LB-01-F | LF-LB-02-F | LF-LB-03-F |
|---|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | 1100 U | 1100 U | 1100 U |
| PCB/Pesticides (ug/Kg) | | | | | | | |
| 4,4'-DDD | NA | NA | NA | NA | 0.99 U | 4.9 U | 0.98 U |
| 4,4'-DDE | NA | NA | NA | NA | 5.9 | 19 | 3 |
| alpha-Chlordane | NA | NA | NA | NA | 0.29 J | 2.5 U | 0.51 U |
| Aroclor-1260 | NA | NA | NA | NA | 10 | 29 | 5.5 |
| Heptachlor | NA | NA | NA | NA | 0.51 U | 2.5 U | 0.51 U |
| Heptachlor epoxide | NA | NA | NA | NA | 0.51 U | 2.5 U | 0.51 U |
| Metals (mg/Kg) | | | | | | | |
| Aluminum | 10 U | 10 U | 10 U | 10 U | 2.5 UJ | 0.94 UJ | 0.48 J |
| Arsenic | 0.0219 J | 0.054 J | 0.0318 J | 0.0234 J | 0.097 U | 0.093 U | 0.1 U |
| Barium | 10 U | 10 U | 10 U | 10 U | 0.16 U | 0.15 U | 0.17 U |
| Chromium | 1 U | 1 U | 1 U | 1 U | 0.076 J | 0.067 J | 0.057 J |
| Cobalt | 10 U | 10 U | 10 U | 10 U | 0.046 J | 0.044 J | 0.049 J |
| Copper | 10 U | 10 U | 10 U | 10 U | 0.19 U | 0.2 U | 0.19 U |
| Iron | 10 U | 10 U | 10 U | 10 U | 8 UJ | 4 UJ | 4.7 UJ |
| Lead | 1 U | 1 U | 1 U | 1 U | 0.069 U | 0.066 U | 0.081 UJ |
| Manganese | 10 U | 10 U | 10 U | 10 U | 0.19 U | 0.31 U | 0.18 U |
| Mercury | 0.13 | 0.16 | 0.23 | 0.14 | 0.63 J | 0.63 J | 0.36 J |
| Nickel | 10 U | 10 U | 10 U | 10 U | 0.046 U | 0.044 U | 0.049 U |
| Potassium | NA | NA | NA | NA | 4000 J | 3920 J | 4040 J |
| Selenium | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.61 J | 0.64 J | 0.66 J |
| Vanadium | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.058 UJ | 0.049 U | 0.053 U |
| Zinc | 5.3 | 5.5 | 4.8 | 6.5 | 4.9 U | 5.5 | 5.2 U |
| PERCENT LIPIDS | NA | NA | NA | NA | 0.8 | 0.7 | 0.5 |
| % MOISTURE | NA | NA | NA | NA | 79.4 | 78.4 | 79.9 |

**TABLE 2-195**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LB-04-F | LF-LB-05-F | LF-LB-06-F | LF-LB-07-F | LF-LB-08-F | LF-LB-09-F | LF-LB-10-F | LF-LB-14-F |
|---|---|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | brown bullhead |
| SVOCs (ug/Kg) | | | | | | | | |
| Benzo(g,h,i)perylene | 1100 U | 1100 U | 1100 U | 1100 U | 400 J | 820 U | 1100 U | NA |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 0.98 U | 0.98 U | 0.98 U | 0.99 U | 0.99 U | 1.9 U | 0.99 U | 1.1 U |
| 4,4'-DDE | 3.5 | 6 J | 5.1 | 2.8 | R | 14 | 3.7 | 6.2 |
| alpha-Chlordane | 0.33 J | 0.33 J | 0.51 U | 0.51 U | 0.51 U | 1 U | 0.51 U | 0.56 U |
| Aroclor-1260 | 5.1 | 9.5 | 9.4 | 6.1 | 8.9 | 35 | 6.2 | 12 |
| Heptachlor | 0.39 J | 0.5 U | 0.51 U | 0.51 U | 0.51 U | 1 U | 0.51 U | 0.56 U |
| Heptachlor epoxide | 0.51 U | 0.34 J | 0.51 U | 0.51 U | 0.51 U | 1 U | 0.51 U | 0.56 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 0.48 UJ | 0.8 UJ | 2.1 UJ | 2.1 UJ | 1.7 UJ | 2.3 UJ | 1.8 UJ | 1.8 UJ |
| Arsenic | 0.1 U | 0.095 U | 0.1 U | 0.1 U | 0.098 U | 0.087 U | 0.095 U | 0.085 UJ |
| Barium | 0.16 U | 0.15 U | 0.17 U | 0.16 U | 0.16 U | 0.14 U | 0.15 U | 0.21 UJ |
| Chromium | 0.064 J | 0.078 J | 0.072 J | 0.059 J | 0.082 J | 0.072 J | 0.087 J | 0.1 UJ |
| Cobalt | 0.048 J | 0.045 J | 0.05 UJ | 0.047 UJ | 0.047 UJ | 0.042 UJ | 0.045 UJ | 0.041 UJ |
| Copper | 0.19 U | 0.21 U | 0.16 | 0.14 | 0.14 | 0.12 | 0.14 | 0.26 U |
| Iron | 3.5 UJ | 4.3 UJ | 4.9 UJ | 3.8 UJ | 6 J | 6.8 UJ | 4.4 UJ | 10.3 J |
| Lead | 0.072 UJ | 0.08 UJ | 0.091 UJ | 0.071 U | 0.07 U | 0.076 UJ | 0.074 UJ | 0.061 |
| Manganese | 0.16 U | 0.14 U | 0.13 U | 0.2 U | 0.38 U | 0.14 U | 0.36 U | 0.81 U |
| Mercury | 0.34 J | 0.32 J | 0.53 | 0.5 | 0.55 | 1 | 0.13 | 0.025 UJ |
| Nickel | 0.048 U | 0.045 U | 0.05 UJ | 0.047 UJ | 0.047 UJ | 0.042 UJ | 0.045 UJ | 0.041 UJ |
| Potassium | 3970 J | 3730 J | 4200 J | 4010 J | 4120 J | 3820 J | 4110 J | 4650 J |
| Selenium | 0.52 J | 0.62 J | 0.8 J | 0.6 J | 0.54 J | 0.56 J | 0.57 J | 0.57 J |
| Vanadium | 0.053 U | 0.05 U | 0.054 U | 0.052 U | 0.051 U | 0.046 U | 0.05 U | 0.045 UJ |
| Zinc | 4.3 U | 4.6 U | 4.4 | 4.6 | 4.5 | 3.6 | 6.1 | 6.3 |
| PERCENT LIPIDS | 0.4 | 0.5 | 0.4 | 0.4 | 0.2 | 0.2 | 0.3 | 0.4 |
| % MOISTURE | 79.5 | 77.7 | 78.8 | 78.5 | 79.3 | 82.7 | 79.7 | 80.7 |

**TABLE 2-195**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LB-15-F | LF-LB-16-F |
|---|---|---|
| Reach | 7 | 7 |
| Species | brown bullhead | brown bullhead |
| SVOCs (ug/Kg) | | |
| Benzo(g,h,i)perylene | 1100 U | 3300 U |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 6.4 J | 2 U |
| 4,4'-DDE | 32 J | 8.2 |
| alpha-Chlordane | 2.7 U | 1 U |
| Aroclor-1260 | 130 J | 18 |
| Heptachlor | 2.7 U | 1 U |
| Heptachlor epoxide | 2.7 U | 1 U |
| Metals (mg/Kg) | | |
| Aluminum | 2.8 UJ | 1.7 UJ |
| Arsenic | 0.082 UJ | 0.086 UJ |
| Barium | 0.13 U | 0.18 UJ |
| Chromium | 0.072 UJ | 0.073 UJ |
| Cobalt | 0.039 UJ | 0.041 UJ |
| Copper | 0.57 U | 0.23 U |
| Iron | 24.9 J | 12.3 J |
| Lead | 0.059 | 0.061 |
| Manganese | 0.4 U | 0.38 U |
| Mercury | 0.15 UJ | 0.028 UJ |
| Nickel | 0.039 UJ | 0.041 UJ |
| Potassium | 4420 J | 3560 J |
| Selenium | 0.66 J | 0.55 J |
| Vanadium | 0.047 UJ | 0.045 UJ |
| Zinc | 6.1 | 4.6 |
| PERCENT LIPIDS | 1 | 0.6 |
| % MOISTURE | 79 | 82.2 |

**TABLE 2-196**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 1,2-Dichlorobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 1,3-Dichlorobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 1,4-Dichlorobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,4-Dichlorophenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,4-Dimethylphenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,4-Dinitrophenol | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 2,4-Dinitrotoluene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2,6-Dinitrotoluene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2-Chloronaphthalene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2-Chlorophenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2-Methylnaphthalene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2-Methylphenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 2-Nitroaniline | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 2-Nitrophenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 3-Nitroaniline | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 4-Chloroaniline | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 4-Methylphenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| 4-Nitroaniline | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| 4-Nitrophenol | | | | | | 0 / 7 | 1300 - 3400 | 1043 |
| Acenaphthene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Acenaphthylene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Anthracene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Benzo(a)anthracene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Benzo(a)pyrene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Benzo(b)fluoranthene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Benzo(g,h,i)perylene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Benzo(k)fluoranthene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 7 | 550 - 1400 | 430 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 7 | 550 - 1400 | 430 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Butylbenzylphthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Carbazole | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Chrysene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Dibenz(a,h)anthracene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Dibenzofuran | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Diethylphthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Dimethylphthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Di-n-butylphthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Di-n-octylphthalate | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Fluoranthene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Fluorene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Hexachlorobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Hexachlorobutadiene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Hexachlorocyclopentadiene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Hexachloroethane | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Isophorone | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Naphthalene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Nitrobenzene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 7 | 550 - 1400 | 430 |
| N-nitrosodiphenylamine | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Pentachlorophenol | | | | | | 0 / 6 | 1300 - 3400 | 1108 |
| Phenanthrene | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Phenol | | | | | | 0 / 7 | 550 - 1400 | 430 |
| Pyrene | | | | | | 0 / 7 | 550 - 1400 | 430 |

**TABLE 2-196**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.1 | J | 9.8 | | LF-LK-06-F | 8 / 9 | 2.6 | 4.8 |
| 4,4'-DDE | 3.8 | J | 26 | | LF-RV-01-F | 9 / 9 | N/A | 10 |
| 4,4'-DDT | 0.84 | J | 4.6 | J | LF-LK-10-F | 4 / 8 | 0.98 - 5 | 1.8 |
| Aldrin | 0.31 | J | 0.32 | J | LF-LK-09-F | 2 / 8 | 0.51 - 2.6 | 0.46 |
| alpha-BHC | | | | | | 0 / 8 | 0.51 - 2.6 | 0.45 |
| alpha-Chlordane | 1.3 | J | 8.9 | J | LF-LK-06-F | 9 / 9 | N/A | 4.2 |
| Aroclor-1016 | | | | | | 0 / 8 | 5 - 25 | 4.4 |
| Aroclor-1221 | | | | | | 0 / 8 | 9.9 - 50 | 7.5 |
| Aroclor-1232 | | | | | | 0 / 8 | 5 - 25 | 4.4 |
| Aroclor-1242 | | | | | | 0 / 8 | 5 - 25 | 4.4 |
| Aroclor-1248 | | | | | | 0 / 8 | 5 - 25 | 4.4 |
| Aroclor-1254 | 9.6 | J | 36 | J | LF-RV-03-F | 7 / 9 | 9.9 - 10 | 16 |
| Aroclor-1260 | 14 | J | 110 | | LF-RV-01-F | 9 / 9 | N/A | 40 |
| beta-BHC | 0.3 | J | 0.3 | J | LF-LK-10-F | 1 / 8 | 0.51 - 2.6 | 0.45 |
| delta-BHC | 0.36 | J | 0.58 | J | LF-LK-09-F | 3 / 8 | 0.51 - 2.6 | 0.54 |
| Dieldrin | 0.77 | J | 2.9 | J | LF-RV-03-F | 9 / 9 | N/A | 1.8 |
| Endosulfan I | | | | | | 0 / 8 | 0.51 - 2.6 | 0.45 |
| Endosulfan II | 2.6 | J | 2.6 | J | LF-RV-01-F | 1 / 8 | 0.98 - 5 | 1.1 |
| Endosulfan sulfate | | | | | | 0 / 8 | 0.98 - 5 | 0.87 |
| Endrin | 0.72 | J | 2.4 | J | LF-RV-01-F | 6 / 8 | 0.98 - 5 | 1.3 |
| Endrin aldehyde | 0.63 | J | 2.7 | J | LF-RV-01-F | 4 / 8 | 0.98 - 5 | 1.2 |
| Endrin ketone | | | | | | 0 / 8 | 0.98 - 5 | 0.87 |
| gamma-BHC (lindane) | | | | | | 0 / 8 | 0.51 - 2.6 | 0.45 |
| gamma-Chlordane | 0.76 | J | 5.1 | | LF-LK-06-F | 9 / 9 | N/A | 2.5 |
| Heptachlor | | | | | | 0 / 8 | 0.51 - 2.6 | 0.45 |
| Heptachlor epoxide | 0.3 | J | 1.7 | J | LF-RV-03-F | 5 / 9 | 0.51 - 1 | 0.54 |
| Methoxychlor | | | | | | 0 / 8 | 5.1 - 26 | 4.5 |
| Toxaphene | | | | | | 0 / 8 | 51 - 260 | 45 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1.3 | J | 4.2 | J | LF-LK-07-F | 4 / 9 | 0.49 - 2.3 | 1.5 |
| Antimony | 0.092 | | 0.16 | | LF-LK-07-F | 3 / 9 | 0.082 - 0.1 | 0.070 |
| Arsenic | | | | | | 0 / 9 | 0.071 - 0.42 | 0.10 |
| Barium | | | | | | 0 / 9 | 0.11 - 0.19 | 0.071 |
| Beryllium | | | | | | 0 / 9 | 0.0068 - 0.012 | 0.0049 |
| Cadmium | 0.012 | | 0.017 | | LF-LK-07-F | 4 / 9 | 0.0085 - 0.012 | 0.0094 |
| Calcium | | | | | | 0 / 9 | 69.4 - 763 | 183 |
| Chromium | 0.068 | J | 0.16 | J | LF-LK-07-F | 6 / 9 | 0.087 - 0.1 | 0.076 |
| Cobalt | 0.041 | J | 0.045 | J | LF-LK-07-F | 3 / 9 | 0.032 - 0.041 | 0.027 |
| Copper | 0.16 | | 0.62 | | LF-LK-06-F | 9 / 9 | N/A | 0.38 |
| Cyanide | | | | | | 0 / 9 | 0.47 - 0.57 | 0.27 |
| Iron | 10.4 | J | 12.9 | J | LF-LK-07-F | 3 / 9 | 2.8 - 8.5 | 5.7 |
| Lead | 0.062 | J | 0.062 | J | LF-RV-03-F | 1 / 9 | 0.051 - 0.13 | 0.039 |
| Magnesium | | | | | | 0 / 9 | 239 - 316 | 133 |
| Manganese | | | | | | 0 / 9 | 0.1 - 0.5 | 0.12 |
| Mercury | 0.023 | J | 0.58 | J | LF-RV-01-F | 5 / 9 | 0.058 - 0.096 | 0.10 |
| Nickel | | | | | | 0 / 9 | 0.034 - 0.068 | 0.024 |
| Potassium | 3350 | J | 4370 | | LF-RV-02-F | 9 / 9 | N/A | 3696 |
| Selenium | 0.27 | J | 0.78 | J | LF-RV-03-F | 9 / 9 | N/A | 0.47 |
| Silver | | | | | | 0 / 9 | 0.027 - 0.064 | 0.020 |
| Sodium | | | | | | 0 / 9 | 282 - 472 | 193 |
| Thallium | | | | | | 0 / 9 | 0.1 - 0.15 | 0.063 |
| Vanadium | | | | | | 0 / 9 | 0.042 - 0.36 | 0.057 |
| Zinc | 4.8 | | 7.6 | | LF-LK-10-F | 7 / 9 | 6.9 - 7.6 | 5.7 |
| PERCENT LIPIDS | 0.3 | | 1.1 | | LF-RV-01-F | 9 / 9 | N/A | 0.56 |
| % MOISTURE | 78.5 | | 83.8 | | LF-LK-06-F | 9 / 9 | N/A | 81 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-197**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 1,2-Dichlorobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 1,3-Dichlorobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 1,4-Dichlorobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,4-Dichlorophenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,4-Dimethylphenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,4-Dinitrophenol | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 2,4-Dinitrotoluene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2,6-Dinitrotoluene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2-Chloronaphthalene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2-Chlorophenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2-Methylnaphthalene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2-Methylphenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 2-Nitroaniline | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 2-Nitrophenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 3-Nitroaniline | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 4-Chloroaniline | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 4-Methylphenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| 4-Nitroaniline | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| 4-Nitrophenol | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| Acenaphthene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Acenaphthylene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Anthracene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Benzo(a)anthracene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Benzo(a)pyrene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Benzo(b)fluoranthene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Benzo(g,h,i)perylene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Benzo(k)fluoranthene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Butylbenzylphthalate | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Carbazole | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Chrysene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Dibenz(a,h)anthracene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Dibenzofuran | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Diethylphthalate | 410 | J | 410 | J | LF-LK-14-F | 1 / 5 | 1100 - 2200 | 692 |
| Dimethylphthalate | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Di-n-butylphthalate | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Di-n-octylphthalate | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Fluoranthene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Fluorene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Hexachlorobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Hexachlorobutadiene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Hexachlorocyclopentadiene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Hexachloroethane | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Isophorone | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Naphthalene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Nitrobenzene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| N-nitrosodiphenylamine | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Pentachlorophenol | | | | | | 0 / 5 | 2600 - 5300 | 1890 |
| Phenanthrene | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Phenol | | | | | | 0 / 5 | 1100 - 2200 | 770 |
| Pyrene | | | | | | 0 / 5 | 1100 - 2200 | 770 |

**TABLE 2-197**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.3 | J | 4.7 | | LF-LK-14-F | 5 / 5 | N/A | 3.0 |
| 4,4'-DDE | 5.7 | | 13 | | LF-LK-13-F | 5 / 5 | N/A | 10 |
| 4,4'-DDT | 0.64 | J | 1.7 | J | LF-LK-13-F | 5 / 5 | N/A | 1.3 |
| Aldrin | 0.37 | J | 0.37 | J | LF-LK-14-F | 1 / 5 | 0.51 - 1.5 | 0.38 |
| alpha-BHC | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| alpha-Chlordane | 1.3 | J | 3 | | LF-LK-14-F | 5 / 5 | N/A | 1.9 |
| Aroclor-1016 | | | | | | 0 / 5 | 5 - 15 | 3.5 |
| Aroclor-1221 | | | | | | 0 / 5 | 9.9 - 30 | 7.0 |
| Aroclor-1232 | | | | | | 0 / 5 | 5 - 15 | 3.5 |
| Aroclor-1242 | | | | | | 0 / 5 | 5 - 15 | 3.5 |
| Aroclor-1248 | | | | | | 0 / 5 | 5 - 15 | 3.5 |
| Aroclor-1254 | 17 | | 35 | | LF-LK-36-F | 5 / 5 | N/A | 27 |
| Aroclor-1260 | 15 | | 38 | | LF-LK-36-F | 5 / 5 | N/A | 28 |
| beta-BHC | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| delta-BHC | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| Dieldrin | 0.7 | J | 1.4 | | LF-LK-14-F | 4 / 5 | 3 | 1.1 |
| Endosulfan I | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| Endosulfan II | | | | | | 0 / 5 | 0.98 - 3 | 0.71 |
| Endosulfan sulfate | | | | | | 0 / 5 | 0.98 - 3 | 0.70 |
| Endrin | 1.2 | | 2.8 | J | LF-LK-36-F | 5 / 5 | N/A | 2.1 |
| Endrin aldehyde | 0.79 | J | 1.1 | | LF-LK-13-F | 4 / 5 | 0.99 | 0.87 |
| Endrin ketone | | | | | | 0 / 5 | 0.98 - 3 | 0.70 |
| gamma-BHC (lindane) | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| gamma-Chlordane | 0.58 | | 1.1 | | LF-LK-14-F | 4 / 5 | 1.5 | 0.75 |
| Heptachlor | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| Heptachlor epoxide | | | | | | 0 / 5 | 0.51 - 1.5 | 0.35 |
| Methoxychlor | | | | | | 0 / 5 | 5.1 - 15 | 3.5 |
| Toxaphene | | | | | | 0 / 5 | 51 - 150 | 35 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | | | | | | 0 / 5 | 1.2 - 1.9 | 0.76 |
| Antimony | | | | | | 0 / 5 | 0.1 - 0.11 | 0.052 |
| Arsenic | | | | | | 0 / 5 | 0.095 - 0.1 | 0.049 |
| Barium | | | | | | 0 / 5 | 0.15 - 0.17 | 0.080 |
| Beryllium | | | | | | 0 / 5 | 0.012 - 0.013 | 0.0063 |
| Cadmium | 0.015 | | 0.017 | | LF-LK-13-F | 3 / 5 | 0.014 | 0.012 |
| Calcium | | | | | | 0 / 5 | 104 - 1020 | 213 |
| Chromium | 0.058 | J | 0.07 | J | LF-LK-14-F | 5 / 5 | N/A | 0.063 |
| Cobalt | 0.045 | J | 0.045 | J | LF-LK-36-F | 1 / 5 | 0.046 - 0.049 | 0.028 |
| Copper | 0.14 | | 0.17 | | LF-LK-11-F | 5 / 5 | N/A | 0.16 |
| Cyanide | | | | | | 0 / 5 | 0.36 - 0.48 | 0.22 |
| Iron | 4 | J | 4 | J | LF-LK-11-F | 1 / 5 | 2.8 - 4.1 | 2.2 |
| Lead | 0.072 | J | 0.072 | J | LF-LK-11-F | 1 / 5 | 0.068 - 0.073 | 0.042 |
| Magnesium | | | | | | 0 / 5 | 298 - 309 | 152 |
| Manganese | | | | | | 0 / 5 | 0.077 - 0.22 | 0.071 |
| Mercury | 0.13 | | 0.26 | J | LF-LK-36-F | 5 / 5 | N/A | 0.17 |
| Nickel | | | | | | 0 / 5 | 0.045 - 0.049 | 0.024 |
| Potassium | 3370 | J | 3690 | J | LF-LK-13-F | 5 / 5 | N/A | 3520 |
| Selenium | 0.67 | J | 0.84 | J | LF-LK-14-F | 5 / 5 | N/A | 0.73 |
| Silver | | | | | | 0 / 5 | 0.036 - 0.039 | 0.019 |
| Sodium | | | | | | 0 / 5 | 318 - 357 | 164 |
| Thallium | | | | | | 0 / 5 | 0.14 - 0.15 | 0.071 |
| Vanadium | | | | | | 0 / 5 | 0.05 - 0.054 | 0.026 |
| Zinc | 5.4 | | 7.4 | | LF-LK-36-F | 5 / 5 | N/A | 6.3 |
| PERCENT LIPIDS | 0.3 | | 0.6 | | LF-LK-14-F | 5 / 5 | N/A | 0.38 |
| % MOISTURE | 78.7 | | 80.2 | | LF-LK-11-F | 5 / 5 | N/A | 79 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-198**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 1,2-Dichlorobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 1,3-Dichlorobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 1,4-Dichlorobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,4-Dichlorophenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,4-Dimethylphenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,4-Dinitrophenol | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 2,4-Dinitrotoluene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2,6-Dinitrotoluene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2-Chloronaphthalene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2-Chlorophenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2-Methylnaphthalene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2-Methylphenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 2-Nitroaniline | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 2-Nitrophenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 3-Nitroaniline | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 4-Chloroaniline | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 4-Methylphenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| 4-Nitroaniline | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| 4-Nitrophenol | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| Acenaphthene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Acenaphthylene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Anthracene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Benzo(a)anthracene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Benzo(a)pyrene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Benzo(b)fluoranthene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Benzo(g,h,i)perylene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Benzo(k)fluoranthene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Butylbenzylphthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Carbazole | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Chrysene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Dibenz(a,h)anthracene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Dibenzofuran | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Diethylphthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Dimethylphthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Di-n-butylphthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Di-n-octylphthalate | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Fluoranthene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Fluorene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Hexachlorobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Hexachlorobutadiene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Hexachlorocyclopentadiene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Hexachloroethane | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Isophorone | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Naphthalene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Nitrobenzene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| N-nitrosodiphenylamine | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Pentachlorophenol | | | | | | 0 / 6 | 2600 - 3200 | 1417 |
| Phenanthrene | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Phenol | | | | | | 0 / 6 | 1100 - 1300 | 583 |
| Pyrene | | | | | | 0 / 6 | 1100 - 1300 | 583 |

**TABLE 2-198**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.1 | J | 20.5 | | LF-RV-10-F | 4 / 6 | 5.3 - 6.3 | 8.3 |
| 4,4'-DDE | 15 | J | 120 | | LF-RV-10-F | 4 / 6 | 19 - 24 | 44 |
| 4,4'-DDT | 3.2 | | 18.5 | | LF-RV-10-F | 4 / 6 | 2 | 5.7 |
| Aldrin | 0.48 | J | 0.53 | J | LF-RV-10-F | 2 / 6 | 1 - 5.1 | 0.89 |
| alpha-BHC | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| alpha-Chlordane | 1.5 | J | 1.9 | J | LF-RV-06-F | 2 / 6 | 2.9 - 8.4 | 2.0 |
| Aroclor-1016 | | | | | | 0 / 6 | 9.9 - 50 | 8.7 |
| Aroclor-1221 | | | | | | 0 / 6 | 20 - 99 | 17 |
| Aroclor-1232 | | | | | | 0 / 6 | 9.9 - 50 | 8.7 |
| Aroclor-1242 | | | | | | 0 / 6 | 9.9 - 50 | 8.7 |
| Aroclor-1248 | | | | | | 0 / 6 | 9.9 - 50 | 8.7 |
| Aroclor-1254 | 31 | J | 140 | | LF-RV-15-F | 6 / 6 | N/A | 67 |
| Aroclor-1260 | 26 | J | 315 | | LF-RV-10-F | 6 / 6 | N/A | 90 |
| beta-BHC | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| delta-BHC | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| Dieldrin | 0.92 | J | 1.5 | J | LF-RV-13-F | 4 / 6 | 2 - 9.8 | 1.8 |
| Endosulfan I | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| Endosulfan II | | | | | | 0 / 6 | 2 - 9.8 | 2.3 |
| Endosulfan sulfate | 1.2 | J | 1.8 | J | LF-RV-10-F | 2 / 6 | 2 - 9.8 | 1.9 |
| Endrin | 2.4 | J | 3.4 | J | LF-RV-05-F | 2 / 6 | 2 - 13 | 3.3 |
| Endrin aldehyde | 1.8 | J | 8.9 | | LF-RV-10-F | 3 / 6 | 2 - 9.8 | 3.5 |
| Endrin ketone | | | | | | 0 / 6 | 2 - 9.8 | 1.7 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| gamma-Chlordane | 0.56 | J | 2.6 | J | LF-RV-15-F | 6 / 6 | N/A | 1.2 |
| Heptachlor | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| Heptachlor epoxide | | | | | | 0 / 6 | 1 - 5.1 | 0.88 |
| Methoxychlor | | | | | | 0 / 6 | 10 - 51 | 8.8 |
| Toxaphene | | | | | | 0 / 6 | 100 - 510 | 88 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1.1 | J | 2 | J | LF-RV-05-F | 6 / 6 | N/A | 1.6 |
| Antimony | 0.14 | | 0.14 | | LF-RV-06-F | 1 / 6 | 0.089 - 0.11 | 0.066 |
| Arsenic | | | | | | 0 / 6 | 0.085 - 0.13 | 0.049 |
| Barium | | | | | | 0 / 6 | 0.14 - 0.17 | 0.077 |
| Beryllium | | | | | | 0 / 6 | 0.011 - 0.013 | 0.0061 |
| Cadmium | | | | | | 0 / 6 | 0.012 - 0.015 | 0.0067 |
| Calcium | | | | | | 0 / 6 | 75.7 - 802 | 160 |
| Chromium | 0.094 | J | 0.1 | J | LF-RV-05-F | 2 / 6 | 0.062 - 0.076 | 0.055 |
| Cobalt | | | | | | 0 / 6 | 0.04 - 0.05 | 0.023 |
| Copper | 0.1175 | J | 0.24 | | LF-RV-05-F | 5 / 6 | 0.24 | 0.17 |
| Cyanide | | | | | | 0 / 6 | 0.41 - 0.52 | 0.23 |
| Iron | | | | | | 0 / 6 | 3.5 - 5.9 | 2.3 |
| Lead | | | | | | 0 / 6 | 0.061 - 0.097 | 0.037 |
| Magnesium | | | | | | 0 / 6 | 257 - 299 | 140 |
| Manganese | | | | | | 0 / 6 | 0.088 - 0.25 | 0.074 |
| Mercury | 0.1 | J | 0.57 | J | LF-RV-10-F | 6 / 6 | N/A | 0.25 |
| Nickel | | | | | | 0 / 6 | 0.04 - 0.05 | 0.023 |
| Potassium | 3005 | J | 3770 | J | LF-RV-06-F | 6 / 6 | N/A | 3418 |
| Selenium | 0.39 | J | 0.6 | J | LF-RV-05-F | 6 / 6 | N/A | 0.51 |
| Silver | 0.037 | J | 0.037 | J | LF-RV-06-F | 1 / 6 | 0.033 - 0.04 | 0.022 |
| Sodium | | | | | | 0 / 6 | 295 - 436 | 173 |
| Thallium | | | | | | 0 / 6 | 0.12 - 0.15 | 0.067 |
| Vanadium | | | | | | 0 / 6 | 0.049 - 0.089 | 0.031 |
| Zinc | 4.95 | J | 7.9 | J | LF-RV-14-F | 6 / 6 | N/A | 6.6 |
| PERCENT LIPIDS | 0.2 | | 0.7 | | LF-RV-15-F | 6 / 6 | N/A | 0.38 |
| % MOISTURE | 78.9 | | 82.5 | | LF-RV-10-F | 6 / 6 | N/A | 80 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-199**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 6 | 1100 | 550 |
| 1,2-Dichlorobenzene | | | | | | 0 / 6 | 1100 | 550 |
| 1,3-Dichlorobenzene | | | | | | 0 / 6 | 1100 | 550 |
| 1,4-Dichlorobenzene | | | | | | 0 / 6 | 1100 | 550 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 6 | 1100 | 550 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 6 | 1100 | 550 |
| 2,4-Dichlorophenol | | | | | | 0 / 6 | 1100 | 550 |
| 2,4-Dimethylphenol | | | | | | 0 / 6 | 1100 | 550 |
| 2,4-Dinitrophenol | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 2,4-Dinitrotoluene | | | | | | 0 / 6 | 1100 | 550 |
| 2,6-Dinitrotoluene | | | | | | 0 / 6 | 1100 | 550 |
| 2-Chloronaphthalene | | | | | | 0 / 6 | 1100 | 550 |
| 2-Chlorophenol | | | | | | 0 / 6 | 1100 | 550 |
| 2-Methylnaphthalene | | | | | | 0 / 6 | 1100 | 550 |
| 2-Methylphenol | | | | | | 0 / 6 | 1100 | 550 |
| 2-Nitroaniline | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 2-Nitrophenol | | | | | | 0 / 6 | 1100 | 550 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 6 | 1100 | 550 |
| 3-Nitroaniline | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 6 | 1100 | 550 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 6 | 1100 | 550 |
| 4-Chloroaniline | | | | | | 0 / 6 | 1100 | 550 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 6 | 1100 | 550 |
| 4-Methylphenol | | | | | | 0 / 6 | 1100 | 550 |
| 4-Nitroaniline | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| 4-Nitrophenol | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| Acenaphthene | | | | | | 0 / 6 | 1100 | 550 |
| Acenaphthylene | | | | | | 0 / 6 | 1100 | 550 |
| Anthracene | | | | | | 0 / 6 | 1100 | 550 |
| Benzo(a)anthracene | | | | | | 0 / 6 | 1100 | 550 |
| Benzo(a)pyrene | | | | | | 0 / 6 | 1100 | 550 |
| Benzo(b)fluoranthene | | | | | | 0 / 6 | 1100 | 550 |
| Benzo(g,h,i)perylene | | | | | | 0 / 6 | 1100 | 550 |
| Benzo(k)fluoranthene | | | | | | 0 / 6 | 1100 | 550 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 6 | 1100 | 550 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 6 | 1100 | 550 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 6 | 1100 | 550 |
| Butylbenzylphthalate | | | | | | 0 / 6 | 1100 | 550 |
| Carbazole | | | | | | 0 / 6 | 1100 | 550 |
| Chrysene | | | | | | 0 / 6 | 1100 | 550 |
| Dibenz(a,h)anthracene | | | | | | 0 / 6 | 1100 | 550 |
| Dibenzofuran | | | | | | 0 / 6 | 1100 | 550 |
| Diethylphthalate | | | | | | 0 / 6 | 1100 | 550 |
| Dimethylphthalate | | | | | | 0 / 6 | 1100 | 550 |
| Di-n-butylphthalate | | | | | | 0 / 6 | 1100 | 550 |
| Di-n-octylphthalate | | | | | | 0 / 6 | 1100 | 550 |
| Fluoranthene | | | | | | 0 / 6 | 1100 | 550 |
| Fluorene | | | | | | 0 / 6 | 1100 | 550 |
| Hexachlorobenzene | | | | | | 0 / 6 | 1100 | 550 |
| Hexachlorobutadiene | | | | | | 0 / 6 | 1100 | 550 |
| Hexachlorocyclopentadiene | | | | | | 0 / 6 | 1100 | 550 |
| Hexachloroethane | | | | | | 0 / 6 | 1100 | 550 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 6 | 1100 | 550 |
| Isophorone | | | | | | 0 / 6 | 1100 | 550 |
| Naphthalene | | | | | | 0 / 6 | 1100 | 550 |
| Nitrobenzene | | | | | | 0 / 6 | 1100 | 550 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 6 | 1100 | 550 |
| N-nitrosodiphenylamine | | | | | | 0 / 6 | 1100 | 550 |
| Pentachlorophenol | | | | | | 0 / 6 | 2600 - 2700 | 1342 |
| Phenanthrene | | | | | | 0 / 6 | 1100 | 550 |
| Phenol | | | | | | 0 / 6 | 1100 | 550 |
| Pyrene | | | | | | 0 / 6 | 1100 | 550 |

**TABLE 2-199**
**LARGE FISH FILLET TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4 | | 27 | | LF-LK-21-F | 6 / 6 | N/A | 13 |
| 4,4'-DDE | 6.1 | | 83 | | LF-LK-21-F | 6 / 6 | N/A | 36 |
| 4,4'-DDT | 1.1 | J | 6.7 | J | LF-LK-21-F | 4 / 6 | 1.1 - 4.9 | 2.8 |
| Aldrin | 0.53 | J | 0.53 | J | LF-LK-22-F | 1 / 6 | 0.55 - 5.1 | 1.1 |
| alpha-BHC | | | | | | 0 / 6 | 0.51 - 5.1 | 1.0 |
| alpha-Chlordane | 3.5 | J | 11 | J | LF-LK-24-F | 5 / 6 | 11 | 5.4 |
| Aroclor-1016 | | | | | | 0 / 6 | 5 - 50 | 10 |
| Aroclor-1221 | | | | | | 0 / 6 | 9.9 - 99 | 20 |
| Aroclor-1232 | | | | | | 0 / 6 | 5 - 50 | 10 |
| Aroclor-1242 | | | | | | 0 / 6 | 5 - 50 | 10 |
| Aroclor-1248 | 7.9 | | 7.9 | | LF-LK-25-F | 1 / 6 | 5 - 50 | 11 |
| Aroclor-1254 | 15 | | 180 | | LF-LK-21-F | 6 / 6 | N/A | 77 |
| Aroclor-1260 | 25 | | 110 | | LF-LK-21-F | 6 / 6 | N/A | 52 |
| beta-BHC | | | | | | 0 / 6 | 0.51 - 5.1 | 1.0 |
| delta-BHC | | | | | | 0 / 6 | 0.51 - 5.1 | 1.0 |
| Dieldrin | 1.615 | J | 2.3 | J | LF-LK-24-F | 2 / 6 | 1.1 - 9.8 | 2.1 |
| Endosulfan I | 0.38 | J | 0.38 | J | LF-LK-25-F | 1 / 6 | 0.51 - 5.1 | 1.0 |
| Endosulfan II | | | | | | 0 / 6 | 1 - 9.8 | 1.8 |
| Endosulfan sulfate | 0.8 | J | 0.8 | J | LF-LK-22-F | 1 / 6 | 1.1 - 9.8 | 2.0 |
| Endrin | 2.2 | J | 9.8 | J | LF-LK-24-F | 4 / 6 | 1.1 - 13 | 4.4 |
| Endrin aldehyde | 0.85 | J | 0.85 | J | LF-LK-22-F | 1 / 6 | 1.1 - 9.8 | 2.0 |
| Endrin ketone | 0.61 | J | 0.61 | J | LF-LK-25-F | 1 / 6 | 0.98 - 9.8 | 2.0 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 0.51 - 5.1 | 1.0 |
| gamma-Chlordane | 1.2 | J | 3.6 | J | LF-LK-24-F | 6 / 6 | N/A | 2.3 |
| Heptachlor | 0.41 | J | 0.41 | J | LF-LK-22-F | 1 / 6 | 0.55 - 5.1 | 1.0 |
| Heptachlor epoxide | 0.53 | J | 0.53 | J | LF-LK-25-F | 1 / 6 | 0.51 - 5.1 | 1.1 |
| Methoxychlor | | | | | | 0 / 6 | 5.1 - 51 | 10 |
| Toxaphene | | | | | | 0 / 6 | 51 - 510 | 101 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 0.87 | J | 0.87 | J | LF-LK-21-F | 1 / 6 | 0.71 - 2.6 | 0.67 |
| Antimony | | | | | | 0 / 6 | 0.077 - 0.1 | 0.047 |
| Arsenic | 0.17 | | 0.17 | | LF-LK-25-F | 1 / 6 | 0.074 - 0.097 | 0.065 |
| Barium | | | | | | 0 / 6 | 0.12 - 0.16 | 0.074 |
| Beryllium | | | | | | 0 / 6 | 0.0091 - 0.012 | 0.0055 |
| Cadmium | 0.014 | | 0.023 | | LF-LK-25-F | 5 / 6 | 0.012 | 0.015 |
| Calcium | | | | | | 0 / 6 | 82.1 - 1380 | 155 |
| Chromium | 0.053 | J | 0.14 | J | LF-LK-20-F | 5 / 6 | 0.07 | 0.079 |
| Cobalt | 0.054 | J | 0.054 | J | LF-LK-25-F | 1 / 6 | 0.035 - 0.046 | 0.027 |
| Copper | 0.12 | | 0.8 | | LF-LK-25-F | 6 / 6 | N/A | 0.25 |
| Cyanide | | | | | | 0 / 6 | 0.4 - 0.53 | 0.23 |
| Iron | 43.7 | J | 43.7 | J | LF-LK-25-F | 1 / 6 | 2.8 - 4.8 | 8.8 |
| Lead | 0.076 | J | 2.3 | J | LF-LK-25-F | 2 / 6 | 0.053 - 0.068 | 0.42 |
| Magnesium | | | | | | 0 / 6 | 265 - 1020 | 200 |
| Manganese | | | | | | 0 / 6 | 0.093 - 2.9 | 0.28 |
| Mercury | 0.018 | | 0.2 | J | LF-LK-21-F | 6 / 6 | N/A | 0.15 |
| Nickel | | | | | | 0 / 6 | 0.035 - 0.046 | 0.022 |
| Potassium | 3280 | | 4060 | J | LF-LK-25-F | 6 / 6 | N/A | 3495 |
| Selenium | 0.45 | J | 0.65 | J | LF-LK-24-F | 6 / 6 | N/A | 0.57 |
| Silver | | | | | | 0 / 6 | 0.028 - 0.037 | 0.017 |
| Sodium | | | | | | 0 / 6 | 254 - 584 | 173 |
| Thallium | | | | | | 0 / 6 | 0.11 - 0.14 | 0.065 |
| Vanadium | | | | | | 0 / 6 | 0.039 - 0.2 | 0.036 |
| Zinc | 5 | J | 6.9 | | LF-LK-25-F | 6 / 6 | N/A | 5.8 |
| PERCENT LIPIDS | 0.4 | | 0.9 | | LF-LK-24-F | 6 / 6 | N/A | 0.64 |
| % MOISTURE | 78.4 | | 81.6 | | LF-LK-25-F | 6 / 6 | N/A | 80 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-200**
**LARGE FISH FILLET TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 1,2-Dichlorobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 1,3-Dichlorobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 1,4-Dichlorobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,4-Dichlorophenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,4-Dimethylphenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,4-Dinitrophenol | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 2,4-Dinitrotoluene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2,6-Dinitrotoluene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2-Chloronaphthalene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2-Chlorophenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2-Methylnaphthalene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2-Methylphenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 2-Nitroaniline | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 2-Nitrophenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 3-Nitroaniline | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 4-Chloroaniline | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 4-Methylphenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| 4-Nitroaniline | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| 4-Nitrophenol | | | | | | 0 / 24 | 1300 - 5300 | 1388 |
| Acenaphthene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Acenaphthylene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Anthracene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Benzo(a)anthracene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Benzo(a)pyrene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Benzo(b)fluoranthene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Benzo(g,h,i)perylene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Benzo(k)fluoranthene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 24 | 550 - 2200 | 569 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 24 | 550 - 2200 | 569 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Butylbenzylphthalate | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Carbazole | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Chrysene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Dibenz(a,h)anthracene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Dibenzofuran | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Diethylphthalate | 410 | J | 410 | J | LF-LK-14-F | 1 / 24 | 550 - 2200 | 553 |
| Dimethylphthalate | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Di-n-butylphthalate | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Di-n-octylphthalate | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Fluoranthene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Fluorene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Hexachlorobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Hexachlorobutadiene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Hexachlorocyclopentadiene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Hexachloroethane | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Isophorone | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Naphthalene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Nitrobenzene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 24 | 550 - 2200 | 569 |
| N-nitrosodiphenylamine | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Pentachlorophenol | | | | | | 0 / 23 | 1300 - 5300 | 1420 |
| Phenanthrene | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Phenol | | | | | | 0 / 24 | 550 - 2200 | 569 |
| Pyrene | | | | | | 0 / 24 | 550 - 2200 | 569 |

**TABLE 2-200**
**LARGE FISH FILLET TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 2.1 | J | 27 | | LF-LK-21-F | 23 / 26 | 2.6 - 6.3 | 7.1 |
| 4,4'-DDE | 3.8 | J | 120 | | LF-RV-10-F | 24 / 26 | 19 - 24 | 24 |
| 4,4'-DDT | 0.64 | J | 18.5 | | LF-RV-10-F | 17 / 25 | 0.98 - 5 | 2.9 |
| Aldrin | 0.31 | J | 0.53 | J | LF-LK-22-F | 6 / 25 | 0.51 - 5.1 | 0.69 |
| alpha-BHC | | | | | | 0 / 25 | 0.51 - 5.1 | 0.67 |
| alpha-Chlordane | 1.3 | J | 11 | J | LF-LK-24-F | 21 / 26 | 2.9 - 11 | 3.5 |
| Aroclor-1016 | | | | | | 0 / 25 | 5 - 50 | 6.6 |
| Aroclor-1221 | | | | | | 0 / 25 | 9.9 - 99 | 13 |
| Aroclor-1232 | | | | | | 0 / 25 | 5 - 50 | 6.6 |
| Aroclor-1242 | | | | | | 0 / 25 | 5 - 50 | 6.6 |
| Aroclor-1248 | 7.9 | | 7.9 | | LF-LK-25-F | 1 / 25 | 5 - 50 | 6.8 |
| Aroclor-1254 | 9.6 | J | 180 | | LF-LK-21-F | 24 / 26 | 9.9 - 10 | 44 |
| Aroclor-1260 | 14 | J | 315 | | LF-RV-10-F | 26 / 26 | N/A | 52 |
| beta-BHC | 0.3 | J | 0.3 | J | LF-LK-10-F | 1 / 25 | 0.51 - 5.1 | 0.67 |
| delta-BHC | 0.36 | J | 0.58 | J | LF-LK-09-F | 3 / 25 | 0.51 - 5.1 | 0.70 |
| Dieldrin | 0.7 | J | 2.9 | J | LF-RV-03-F | 19 / 26 | 1.1 - 9.8 | 1.7 |
| Endosulfan I | 0.38 | J | 0.38 | J | LF-LK-25-F | 1 / 25 | 0.51 - 5.1 | 0.67 |
| Endosulfan II | 2.6 | J | 2.6 | J | LF-RV-01-F | 1 / 25 | 0.98 - 9.8 | 1.5 |
| Endosulfan sulfate | 0.8 | J | 1.8 | J | LF-RV-10-F | 3 / 25 | 0.98 - 9.8 | 1.4 |
| Endrin | 0.72 | J | 9.8 | J | LF-LK-24-F | 17 / 25 | 0.98 - 13 | 2.7 |
| Endrin aldehyde | 0.63 | J | 8.9 | | LF-RV-10-F | 12 / 25 | 0.98 - 9.8 | 1.9 |
| Endrin ketone | 0.61 | J | 0.61 | J | LF-LK-25-F | 1 / 25 | 0.98 - 9.8 | 1.3 |
| gamma-BHC (lindane) | | | | | | 0 / 25 | 0.51 - 5.1 | 0.67 |
| gamma-Chlordane | 0.56 | J | 5.1 | | LF-LK-06-F | 25 / 26 | 1.5 | 1.8 |
| Heptachlor | 0.41 | J | 0.41 | J | LF-LK-22-F | 1 / 25 | 0.51 - 5.1 | 0.68 |
| Heptachlor epoxide | 0.3 | J | 1.7 | J | LF-RV-03-F | 6 / 26 | 0.51 - 5.1 | 0.70 |
| Methoxychlor | | | | | | 0 / 25 | 5.1 - 51 | 6.7 |
| Toxaphene | | | | | | 0 / 25 | 51 - 510 | 67 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 0.87 | J | 4.2 | J | LF-LK-07-F | 11 / 26 | 0.49 - 2.6 | 1.2 |
| Antimony | 0.092 | | 0.16 | | LF-LK-07-F | 4 / 26 | 0.077 - 0.11 | 0.060 |
| Arsenic | 0.17 | | 0.17 | | LF-LK-25-F | 1 / 26 | 0.071 - 0.42 | 0.070 |
| Barium | | | | | | 0 / 26 | 0.11 - 0.19 | 0.075 |
| Beryllium | | | | | | 0 / 26 | 0.0068 - 0.013 | 0.0056 |
| Cadmium | 0.012 | | 0.023 | | LF-LK-25-F | 12 / 26 | 0.0085 - 0.015 | 0.011 |
| Calcium | | | | | | 0 / 26 | 69.4 - 1380 | 177 |
| Chromium | 0.053 | J | 0.16 | J | LF-LK-07-F | 18 / 26 | 0.062 - 0.1 | 0.069 |
| Cobalt | 0.041 | J | 0.054 | J | LF-LK-25-F | 5 / 26 | 0.032 - 0.05 | 0.026 |
| Copper | 0.1175 | J | 0.8 | | LF-LK-25-F | 25 / 26 | 0.24 | 0.26 |
| Cyanide | | | | | | 0 / 26 | 0.36 - 0.57 | 0.24 |
| Iron | 4 | J | 43.7 | J | LF-LK-25-F | 5 / 26 | 2.8 - 8.5 | 4.9 |
| Lead | 0.062 | J | 2.3 | J | LF-LK-25-F | 4 / 26 | 0.051 - 0.13 | 0.13 |
| Magnesium | | | | | | 0 / 26 | 239 - 1020 | 154 |
| Manganese | | | | | | 0 / 26 | 0.077 - 2.9 | 0.14 |
| Mercury | 0.018 | | 0.58 | J | LF-RV-01-F | 22 / 26 | 0.058 - 0.096 | 0.16 |
| Nickel | | | | | | 0 / 26 | 0.034 - 0.068 | 0.023 |
| Potassium | 3005 | J | 4370 | | LF-RV-02-F | 26 / 26 | N/A | 3551 |
| Selenium | 0.27 | J | 0.84 | J | LF-LK-14-F | 26 / 26 | N/A | 0.55 |
| Silver | 0.037 | J | 0.037 | J | LF-RV-06-F | 1 / 26 | 0.027 - 0.064 | 0.019 |
| Sodium | | | | | | 0 / 26 | 254 - 584 | 178 |
| Thallium | | | | | | 0 / 26 | 0.1 - 0.15 | 0.066 |
| Vanadium | | | | | | 0 / 26 | 0.039 - 0.36 | 0.040 |
| Zinc | 4.8 | | 7.9 | J | LF-RV-14-F | 24 / 26 | 6.9 - 7.6 | 6.0 |
| PERCENT LIPIDS | 0.2 | | 1.1 | | LF-RV-01-F | 26 / 26 | N/A | 0.50 |
| % MOISTURE | 78.4 | | 83.8 | | LF-LK-06-F | 26 / 26 | N/A | 80 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-201**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-06-F | LF-LK-07-F | LF-LK-08-F | LF-LK-09-F | LF-LK-10-F | LF-LK-11-F | LF-LK-12-F | LF-LK-13-F |
|---|---|---|---|---|---|---|---|---|
| Reach | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| Species | brown bullhead | brown bullhead | brown bullhead | brown bullhead | brown bullhead | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| Diethylphthalate | 660 U | NA | 1100 U | 1100 U | 1400 U | 1100 U | 1600 UJ | 1200 U |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 9.8 | 2.1 J | 6.7 J | 5 J | 4.6 J | 2.6 | 2.6 | 2.6 |
| 4,4'-DDE | 15 | 3.8 J | 7.5 J | 5.2 J | 6.8 J | 5.7 | 9.6 | 13 |
| 4,4'-DDT | 1.7 J | 0.99 U | 0.84 J | 0.99 U | 4.6 J | 0.64 J | 1.4 | 1.7 |
| Aldrin | 1 U | 0.51 U | 0.31 J | 0.32 J | 0.51 U | 0.51 U | 0.51 U | 0.51 U |
| alpha-Chlordane | 8.9 J | 2.5 J | 7.4 J | 4.6 J | 4.5 J | 1.6 | 1.8 | 1.6 |
| Aroclor-1248 | 9.9 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Aroclor-1254 | 9.9 U | 13 J | 22 J | 19 J | 20 J | 17 | 27 | 30 |
| Aroclor-1260 | 61 | 20 J | 29 J | 20 J | 24 J | 15 | 28 | 31 |
| beta-BHC | 1 U | 0.51 U | 0.51 U | 0.51 U | 0.3 J | 0.51 U | 0.51 U | 0.51 U |
| delta-BHC | 1 U | 0.51 U | 0.36 J | 0.58 J | 0.56 J | 0.51 U | 0.51 U | 0.51 U |
| Dieldrin | 2.7 J | 1 J | 2 J | 2.1 J | 1.8 J | 0.7 J | 1.2 | 0.8 J |
| Endosulfan I | 1 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U |
| Endosulfan II | 2 U | 0.99 U | 0.99 U | 0.99 UJ | 0.99 U | 1.1 U | 0.99 U | 0.99 U |
| Endosulfan sulfate | 2 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U |
| Endrin | 1.1 J | 0.81 J | 1.5 J | 0.72 J | 1.2 J | 1.2 | 2 | 2.4 |
| Endrin aldehyde | 1.2 J | 0.99 U | 0.63 J | 0.99 U | 0.85 J | 0.99 U | 0.97 J | 1.1 |
| Endrin ketone | 2 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U | 0.99 U |
| gamma-Chlordane | 5.1 | 1.7 J | 4.8 J | 3 J | 2.9 J | 0.58 | 0.71 | 0.63 |
| Heptachlor | 1 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U | 0.51 U |
| Heptachlor epoxide | 1 U | 0.51 U | 0.51 U | 0.31 J | 0.3 J | 0.51 U | 0.51 U | 0.51 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 0.49 UJ | 4.2 J | 1.5 J | 1.3 J | 3.3 J | 1.4 UJ | 1.2 UJ | 1.8 UJ |
| Antimony | 0.097 U | 0.16 | 0.1 | 0.082 U | 0.1 U | 0.11 U | 0.1 U | 0.1 U |
| Arsenic | 0.085 UJ | 0.42 UJ | 0.21 UJ | 0.33 UJ | 0.39 UJ | 0.1 U | 0.098 U | 0.096 U |
| Cadmium | 0.012 | 0.017 | 0.012 U | 0.011 U | 0.014 | 0.014 U | 0.014 U | 0.017 |
| Chromium | 0.071 J | 0.16 J | 0.068 J | 0.076 J | 0.084 J | 0.061 J | 0.058 J | 0.069 J |
| Cobalt | 0.032 UJ | 0.045 J | 0.041 UJ | 0.037 UJ | 0.045 J | 0.048 UJ | 0.047 UJ | 0.046 UJ |
| Copper | 0.62 | 0.38 | 0.56 | 0.31 | 0.42 | 0.17 | 0.14 | 0.16 |
| Iron | 8 UJ | 12.9 J | 12.1 J | 8.5 UJ | 10.4 J | 4 J | 3.1 UJ | 2.8 UJ |
| Lead | 0.069 U | 0.077 UJ | 0.066 UJ | 0.056 UJ | 0.13 UJ | 0.072 J | 0.07 UJ | 0.069 UJ |
| Mercury | 0.058 UJ | 0.039 J | 0.04 J | 0.056 J | 0.023 J | 0.15 J | 0.15 J | 0.13 |
| Potassium | 3800 J | 3560 J | 3350 J | 3680 J | 3360 J | 3490 J | 3480 J | 3690 J |
| Selenium | 0.39 J | 0.39 J | 0.27 J | 0.33 J | 0.36 J | 0.71 J | 0.69 J | 0.67 J |
| Silver | 0.06 U | 0.035 UJ | 0.033 UJ | 0.03 UJ | 0.036 UJ | 0.038 U | 0.037 U | 0.037 U |
| Zinc | 6.9 U | 6.3 | 6.6 | 5.7 | 7.6 | 7.2 | 6 | 5.5 |
| PERCENT LIPIDS | 0.6 | 0.3 | 0.3 | 0.6 | 0.6 | 0.3 | 0.4 | 0.3 |
| % MOISTURE | 83.8 | 81.1 | 82.4 | 78.9 | 81.8 | 80.2 | 80 | 78.9 |

**TABLE 2-201**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-14-F | LF-LK-20-F | LF-LK-21-F | LF-LK-22-F | LF-LK-23-F | LF-LK-24-F | LF-LK-25-F | LF-LK-36-F |
|---|---|---|---|---|---|---|---|---|
| Reach | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 4 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | brown bullhead | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| Diethylphthalate | 410 J | 1100 U | 1100 U | 1100 U | 1100 U | 1100 U | 1100 U | 2200 U |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 4.7 | 8.9 J | 27 | 10 J | 6.2 J | 20 J | 4 | 2.3 J |
| 4,4'-DDE | 11 | 27 J | 83 | 27 J | 19 J | 51 J | 6.1 | 13 |
| 4,4'-DDT | 0.94 J | 4.9 U | 6.7 J | 1.1 J | 1.5 J | 4.3 J | 1.1 U | 1.7 J |
| Aldrin | 0.37 J | 2.5 U | 5.1 U | 0.53 J | 1 U | 2.5 U | 0.55 U | 1.5 U |
| alpha-Chlordane | 3 | 4.2 J | 11 U | 4.85 J | 3.5 J | 11 J | 3.6 | 1.3 J |
| Aroclor-1248 | 5 U | 25 U | 50 U | 5 U | 9.9 U | 25 U | 7.9 | 15 U |
| Aroclor-1254 | 28 | 64 J | 180 | 50 J | 31 J | 120 J | 15 | 35 |
| Aroclor-1260 | 28 | 44 J | 110 | 39.5 J | 26 J | 66 J | 25 | 38 |
| beta-BHC | 0.51 U | 2.5 U | 5.1 U | 0.51 U | 1 U | 2.5 U | 0.55 U | 1.5 U |
| delta-BHC | 0.51 U | 2.5 U | 5.1 U | 0.51 U | 1 U | 2.5 U | 0.55 U | 1.5 U |
| Dieldrin | 1.4 | 4.9 U | 9.8 U | 1.615 J | 2 U | 2.3 J | 1.1 U | 3 U |
| Endosulfan I | 0.51 U | 2.5 U | 5.1 U | 0.51 U | 1 U | 2.5 U | 0.38 J | 1.5 U |
| Endosulfan II | 0.98 U | 4.9 U | 9.8 U | 1 U | 2 U | 3.1 U | 1.1 U | 3 U |
| Endosulfan sulfate | 0.98 U | 4.9 U | 9.8 U | 0.8 J | 2 U | 4.9 U | 1.1 U | 3 U |
| Endrin | 1.9 | 5.1 J | 13 U | 2.2 J | 2.5 J | 9.8 J | 1.1 U | 2.8 J |
| Endrin aldehyde | 0.79 J | 4.9 U | 9.8 U | 0.85 J | 2 U | 4.9 U | 1.1 U | 1 J |
| Endrin ketone | 0.98 U | 4.9 U | 9.8 U | 0.98 U | 2 U | 4.9 U | 0.61 J | 3 U |
| gamma-Chlordane | 1.1 | 1.4 J | 3.5 J | 1.65 J | 1.2 J | 3.6 J | 2.5 | 1.5 U |
| Heptachlor | 0.51 U | 2.5 U | 5.1 U | 0.41 J | 1 U | 2.5 U | 0.55 U | 1.5 U |
| Heptachlor epoxide | 0.51 U | 2.5 U | 5.1 U | 0.51 U | 1 U | 2.5 U | 0.53 J | 1.5 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 1.3 UJ | 0.74 UJ | 0.87 J | 0.71 UJ | 1.1 UJ | 1.2 UJ | 2.6 UJ | 1.9 UJ |
| Antimony | 0.11 U | 0.077 U | 0.097 U | 0.089 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Arsenic | 0.1 U | 0.074 U | 0.093 U | 0.085 U | 0.097 U | 0.096 U | 0.17 | 0.095 U |
| Cadmium | 0.015 | 0.014 | 0.015 | 0.012 U | 0.015 | 0.016 | 0.023 | 0.015 |
| Chromium | 0.07 J | 0.14 J | 0.07 UJ | 0.053 J | 0.065 J | 0.081 J | 0.097 J | 0.058 J |
| Cobalt | 0.049 UJ | 0.035 UJ | 0.044 UJ | 0.041 UJ | 0.046 UJ | 0.046 UJ | 0.054 J | 0.045 J |
| Copper | 0.16 | 0.13 | 0.17 | .14 | 0.12 | 0.13 | 0.8 | 0.17 |
| Iron | 3.8 UJ | 4.8 U | 3.7 UJ | 2.8 U | 3.5 U | 3.4 U | 43.7 J | 4.1 UJ |
| Lead | 0.073 UJ | 0.053 U | 0.066 U | 0.061 U | 0.076 J | 0.068 U | 2.3 J | 0.068 UJ |
| Mercury | 0.14 J | 0.19 | 0.2 J | .19 | 0.15 | 0.13 | 0.018 | 0.26 J |
| Potassium | 3370 J | 3430 | 3290 J | 3280 | 3570 | 3340 | 4060 J | 3570 J |
| Selenium | 0.84 J | 0.56 J | 0.53 J | 0.625 J | 0.58 J | 0.65 J | 0.45 J | 0.74 J |
| Silver | 0.039 U | 0.028 U | 0.035 UJ | 0.033 U | 0.037 U | 0.037 U | 0.037 UJ | 0.036 U |
| Zinc | 5.4 | 5.6 | 5 J | 5.45 | 6.2 | 5.5 | 6.9 | 7.4 |
| PERCENT LIPIDS | 0.6 | 0.5 | 0.8 | .75 | 0.4 | 0.9 | 0.5 | 0.3 |
| % MOISTURE | 79.1 | 79.8 | 79.8 | 79.05 | 79.2 | 78.4 | 81.6 | 78.7 |

**TABLE 2-201**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-RV-01-F | LF-RV-02-F | LF-RV-03-F | LF-RV-04-F | LF-RV-05-F | LF-RV-06-F | LF-RV-10-F | LF-RV-13-F |
|---|---|---|---|---|---|---|---|---|
| Reach | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | white sucker | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| Diethylphthalate | 550 U | 660 U | 550 U | NA | 1300 U | 1300 U | 1100 U | 1100 U |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 2.6 U | 2.1 | 8.8 | 2.4 J | 2.1 J | 3.4 J | 20.5 | 6.3 U |
| 4,4'-DDE | 26 | 7.4 | 15 | 4.9 J | 17 J | 15 J | 120 | 24 U |
| 4,4'-DDT | 3.2 J | 0.98 U | 5 U | R | 2 U | 2 U | 18.5 | 3.5 |
| Aldrin | 1 U | 0.51 U | 2.6 U | R | 1 U | 1 U | 0.53 J | 1.5 U |
| alpha-Chlordane | 2 J | 1.3 J | 4.3 J | 1.9 J | 1.5 J | 1.9 J | 3.1 U | 3.2 U |
| Aroclor-1248 | 10 U | 5 U | 25 U | R | 9.9 U | 10 U | 10 U | 15 U |
| Aroclor-1254 | 10 U | 13 J | 36 J | 9.6 J | 31 J | 32 J | 107 J | 55 |
| Aroclor-1260 | 110 | 35 | 45 | 14 J | 37 J | 26 J | 315 | 41 |
| beta-BHC | 1 U | 0.51 U | 2.6 U | R | 1 U | 1 U | 1 U | 1.5 U |
| delta-BHC | 1 U | 0.51 U | 2.6 U | R | 1 U | 1 U | 1 U | 1.5 U |
| Dieldrin | 1.3 J | 0.77 J | 2.9 J | 1.3 J | 0.93 J | 0.92 J | 2 U | 1.5 J |
| Endosulfan I | 1 U | 0.51 U | 2.6 U | R | 1 U | 1 U | 1 U | 1.5 U |
| Endosulfan II | 2.6 J | 0.98 U | 5 U | R | 2 U | 2 U | 8.7 U | 3 U |
| Endosulfan sulfate | 2 U | 0.98 U | 5 U | R | 1.2 J | 2 U | 1.8 J | 3 U |
| Endrin | 2.4 J | 0.98 U | 5 U | R | 3.4 J | 2.4 J | 7.4 U | 6 U |
| Endrin aldehyde | 2.7 J | 0.98 U | 5 U | R | 2 U | 2 U | 8.9 | 1.8 J |
| Endrin ketone | 2 U | 0.98 U | 5 U | R | 2 U | 2 U | 2 U | 3 U |
| gamma-Chlordane | 0.76 J | 0.78 | 2.5 J | 0.95 J | 0.56 J | 0.81 J | 1.25 | 1 J |
| Heptachlor | 1 U | 0.51 U | 2.6 U | R | 1 U | 1 U | 1 U | 1.5 U |
| Heptachlor epoxide | 1 U | 0.47 J | 1.7 J | 0.58 J | 1 U | 1 U | 1 U | 1.5 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 0.52 UJ | 1.5 UJ | 2.3 UJ | 0.96 UJ | 2 J | 1.6 J | 1.23 J | 1.9 J |
| Antimony | 0.1 U | 0.092 | 0.089 U | 0.089 U | 0.1 U | 0.14 | 0.089 U | 0.11 U |
| Arsenic | 0.089 UJ | 0.071 U | 0.085 U | 0.11 UJ | 0.13 UJ | 0.085 UJ | 0.085 U | 0.1 U |
| Cadmium | 0.0085 U | 0.014 | 0.012 U | 0.012 U | 0.014 U | 0.012 U | 0.012 U | 0.014 U |
| Chromium | 0.084 J | 0.1 UJ | 0.087 UJ | 0.088 UJ | 0.1 J | 0.094 J | 0.076 UJ | 0.062 UJ |
| Cobalt | 0.034 UJ | 0.034 UJ | 0.041 J | 0.041 UJ | 0.047 UJ | 0.04 UJ | 0.041 UJ | 0.048 UJ |
| Copper | 0.27 | 0.16 | 0.49 | 0.17 | 0.24 | 0.24 U | 0.1175 J | 0.18 |
| Iron | 2.8 UJ | 3.2 U | 5.8 U | 3.3 U | 5.9 UJ | 5.2 UJ | 4.2 UJ | 4.7 UJ |
| Lead | 0.072 U | 0.051 UJ | 0.062 J | 0.061 UJ | 0.097 UJ | 0.074 UJ | 0.061 U | 0.072 U |
| Mercury | 0.58 J | 0.082 UJ | 0.096 UJ | 0.089 UJ | 0.33 J | 0.12 J | 0.57 J | 0.19 J |
| Potassium | 3660 J | 4370 | 3810 | 3670 | 3580 J | 3770 J | 3005 J | 3430 J |
| Selenium | 0.46 J | 0.64 J | 0.78 J | 0.6 J | 0.6 J | 0.53 J | 0.54 J | 0.59 J |
| Silver | 0.064 U | 0.027 UJ | 0.033 UJ | 0.033 UJ | 0.038 UJ | 0.037 J | 0.033 UJ | 0.039 UJ |
| Zinc | 7.6 U | 4.8 | 6.3 | 6.7 | 7.8 | 7.3 | 4.95 J | 6.3 J |
| PERCENT LIPIDS | 1.1 | 0.3 | 0.8 | 0.4 | 0.2 | 0.4 | .3 | 0.3 |
| % MOISTURE | 82.2 | 79.9 | 78.5 | 80.3 | 81.6 | 79.3 | 82.5 | 79.4 |

**TABLE 2-201**
**LARGE FISH FILLET TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-RV-14-F | LF-RV-15-F |
|---|---|---|
| Reach | 5 | 5 |
| Species | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | |
| Diethylphthalate | 1100 U | 1100 U |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 5.3 U | 18 |
| 4,4'-DDE | 19 U | 91 |
| 4,4'-DDT | 3.2 | 7.1 J |
| Aldrin | 0.48 J | 5.1 U |
| alpha-Chlordane | 2.9 U | 8.4 U |
| Aroclor-1248 | 10 U | 50 U |
| Aroclor-1254 | 37 | 140 |
| Aroclor-1260 | 35 | 85 |
| beta-BHC | 1 U | 5.1 U |
| delta-BHC | 1 U | 5.1 U |
| Dieldrin | 1.4 J | 9.8 U |
| Endosulfan I | 1 U | 5.1 U |
| Endosulfan II | 2 U | 9.8 U |
| Endosulfan sulfate | 2 U | 9.8 U |
| Endrin | 2 U | 13 U |
| Endrin aldehyde | 3.5 | 9.8 U |
| Endrin ketone | 2 U | 9.8 U |
| gamma-Chlordane | 0.81 J | 2.6 J |
| Heptachlor | 1 U | 5.1 U |
| Heptachlor epoxide | 1 U | 5.1 U |
| Metals (mg/Kg) | | |
| Aluminum | 1.8 J | 1.1 J |
| Antimony | 0.11 U | 0.097 U |
| Arsenic | 0.1 U | 0.093 U |
| Cadmium | 0.015 U | 0.013 U |
| Chromium | 0.064 UJ | 0.069 UJ |
| Cobalt | 0.05 UJ | 0.044 UJ |
| Copper | 0.18 | 0.17 |
| Iron | 4 UJ | 3.5 UJ |
| Lead | 0.075 U | 0.066 U |
| Mercury | 0.18 J | 0.1 J |
| Potassium | 3510 J | 3210 J |
| Selenium | 0.4 J | 0.39 J |
| Silver | 0.04 UJ | 0.035 UJ |
| Zinc | 7.9 J | 5.3 J |
| PERCENT LIPIDS | 0.4 | 0.7 |
| % MOISTURE | 78.9 | 81.1 |

**TABLE 2-202**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 3 | J | 11 | J | LF-LB-15-O | 7 / 13 | 4.9 - 15 | 5.6 |
| 4,4'-DDE | 22 | | 110 | J | LF-LB-02-O | 12 / 13 | 17 | 51 |
| 4,4'-DDT | 2.9 | J | 7.3 | J | LF-LB-02-O | 5 / 13 | 4.9 - 15 | 4.5 |
| Aldrin | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| alpha-BHC | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| alpha-Chlordane | 1.4 | J | 4.9 | J | LF-LB-06-O | 4 / 13 | 2.5 - 7.6 | 2.5 |
| Aroclor-1016 | | | | | | 0 / 13 | 25 - 75 | 20 |
| Aroclor-1221 | | | | | | 0 / 13 | 50 - 150 | 41 |
| Aroclor-1232 | | | | | | 0 / 13 | 25 - 75 | 20 |
| Aroclor-1242 | | | | | | 0 / 13 | 25 - 75 | 20 |
| Aroclor-1248 | | | | | | 0 / 13 | 25 - 75 | 20 |
| Aroclor-1254 | | | | | | 0 / 13 | 25 - 75 | 20 |
| Aroclor-1260 | 33 | J | 230 | J | LF-LB-15-O | 12 / 13 | 50 | 100 |
| beta-BHC | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| delta-BHC | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| Dieldrin | | | | | | 0 / 13 | 4.9 - 15 | 4.1 |
| Endosulfan I | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| Endosulfan II | | | | | | 0 / 13 | 4.9 - 15 | 4.1 |
| Endosulfan sulfate | | | | | | 0 / 13 | 4.9 - 15 | 4.1 |
| Endrin | | | | | | 0 / 13 | 4.9 - 15 | 4.1 |
| Endrin aldehyde | 2.9 | J | 2.9 | J | LF-LB-10-O | 1 / 13 | 4.9 - 15 | 4.1 |
| Endrin ketone | | | | | | 0 / 13 | 4.9 - 15 | 4.1 |
| gamma-BHC (lindane) | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| gamma-Chlordane | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| Heptachlor | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| Heptachlor epoxide | | | | | | 0 / 13 | 2.5 - 7.6 | 2.1 |
| Methoxychlor | | | | | | 0 / 13 | 25 - 76 | 21 |
| Toxaphene | | | | | | 0 / 13 | 250 - 760 | 209 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4.2 | J | 24.4 | J | LF-LB-15-O | 2 / 13 | 1.2 - 4.5 | 3.2 |
| Antimony | 0.084 | | 0.084 | | LF-LB-01-O | 1 / 12 | 0.074 - 0.11 | 0.050 |
| Arsenic | | | | | | 0 / 13 | 0.071 - 0.1 | 0.045 |
| Barium | | | | | | 0 / 13 | 0.65 - 10.1 | 1.6 |
| Beryllium | | | | | | 0 / 13 | 0.0067 - 0.013 | 0.0047 |
| Cadmium | 0.014 | J | 0.04 | J | LF-LB-07-O | 10 / 13 | 0.012 - 0.015 | 0.019 |
| Calcium | 22000 | J | 26600 | J | LF-LB-15-O | 6 / 13 | 10900 - 21100 | 15719 |
| Chromium | 0.2 | J | 0.38 | J | LF-LB-01-O | 10 / 13 | 0.38 - 0.54 | 0.29 |
| Cobalt | 0.041 | J | 0.13 | J | LF-LB-01-O | 5 / 13 | 0.034 - 0.049 | 0.037 |
| Copper | 0.32 | J | 1.1 | J | LF-LB-15-O | 8 / 13 | 0.37 - 0.61 | 0.47 |
| Cyanide | | | | | | 0 / 13 | 0.41 - 0.57 | 0.25 |
| Iron | 12.4 | J | 591 | J | LF-LB-15-O | 8 / 13 | 14 - 40 | 70 |
| Lead | 1.3 | J | 1.3 | J | LF-LB-15-O | 1 / 13 | 0.051 - 0.2 | 0.14 |
| Magnesium | | | | | | 0 / 13 | 351 - 600 | 254 |
| Manganese | 7.6 | J | 41.6 | J | LF-LB-15-O | 3 / 13 | 3.7 - 21.6 | 10 |
| Mercury | 0.091 | | 0.6 | | LF-LB-09-O | 10 / 13 | 0.015 - 0.057 | 0.26 |
| Nickel | | | | | | 0 / 13 | 0.034 - 0.049 | 0.022 |
| Potassium | 2190 | J | 2800 | J | LF-LB-02-O | 13 / 13 | N/A | 2538 |
| Selenium | 0.62 | J | 0.85 | J | LF-LB-09-O | 13 / 13 | N/A | 0.72 |
| Silver | 0.033 | J | 0.034 | J | LF-LB-09-O | 2 / 13 | 0.031 - 0.039 | 0.020 |
| Sodium | | | | | | 0 / 13 | 1370 - 1950 | 818 |
| Thallium | | | | | | 0 / 13 | 0.11 - 0.15 | 0.065 |
| Vanadium | | | | | | 0 / 7 | 0.045 - 0.58 | 0.094 |
| Zinc | 16.1 | | 23.9 | J | LF-LB-05-O | 13 / 13 | N/A | 20 |
| PERCENT LIPIDS | 0.5 | | 4.6 | | LF-LB-03-O | 13 / 13 | N/A | 2.5 |
| % MOISTURE | 66.2 | | 77.9 | | LF-LB-15-O | 13 / 13 | N/A | 71 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-203**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LB-01-O | LF-LB-02-O | LF-LB-03-O | LF-LB-04-O | LF-LB-05-O | LF-LB-06-O | LF-LB-07-O | LF-LB-08-O |
|---|---|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 4.9 UJ | 7.6 J | 9.8 U | 9.9 U | 15 U | 8.1 J | 3 J | 5.6 J |
| 4,4'-DDE | 17 UJ | 110 J | 27 | 43 J | 56 J | 100 | 36 | 61 |
| 4,4'-DDT | 4.9 UJ | 7.3 J | 9.8 U | 9.9 U | 15 U | 6.4 J | 2.9 J | 4.7 J |
| alpha-Chlordane | 2.5 UJ | 4.2 J | 5 U | 5.1 U | 7.6 U | 4.9 J | 2 J | 4 U |
| Aroclor-1260 | 33 J | 160 J | 50 U | 55 J | 86 J | 170 | 74 | 110 |
| Endrin aldehyde | 4.9 UJ | 9.9 U | 9.8 U | 9.9 U | 15 U | 9.9 U | 5 U | 7.8 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 2.5 UJ | 1.2 UJ | 4.5 UJ | 2.2 UJ | 3.4 UJ | 1.2 UJ | 2.5 UJ | 1.7 UJ |
| Antimony | 0.084 | 0.089 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.091 U | 0.094 U |
| Cadmium | 0.022 J | 0.014 J | 0.014 J | 0.025 | 0.02 J | 0.019 J | 0.04 J | 0.027 J |
| Calcium | 22000 J | 18100 UJ | 23600 J | 10900 UJ | 19800 UJ | 18100 UJ | 21100 UJ | 17300 UJ |
| Chromium | 0.38 J | 0.31 J | 0.37 J | 0.2 J | 0.32 J | 0.3 J | 0.32 J | 0.29 J |
| Cobalt | 0.13 J | 0.041 J | 0.047 J | 0.048 J | 0.047 J | 0.046 UJ | 0.041 UJ | 0.043 UJ |
| Copper | 0.52 UJ | 0.37 UJ | 0.61 UJ | 0.44 U | 0.47 UJ | 0.32 J | 0.64 J | 0.35 J |
| Iron | 38 UJ | 14 UJ | 40 UJ | 19 UJ | 22.9 UJ | 12.9 J | 33.4 J | 12.4 J |
| Lead | 0.057 U | 0.061 U | 0.07 UJ | 0.071 UJ | 0.071 UJ | 0.069 U | 0.062 U | 0.064 U |
| Manganese | 7.6 J | 3.7 UJ | 18.4 UJ | 3.9 U | 6.5 UJ | 4.6 UJ | 8.2 UJ | 6.1 UJ |
| Mercury | 0.49 J | 0.5 J | 0.2 J | 0.14 J | 0.21 J | 0.35 | 0.33 | 0.36 |
| Potassium | 2700 J | 2800 J | 2710 J | 2520 J | 2580 J | 2490 J | 2670 J | 2750 J |
| Selenium | 0.8 J | 0.64 J | 0.62 J | 0.69 J | 0.68 J | 0.64 J | 0.69 J | 0.72 J |
| Silver | 0.033 J | 0.033 UJ | 0.037 UJ | 0.038 UJ | 0.038 UJ | 0.037 UJ | 0.033 UJ | 0.034 UJ |
| Zinc | 22.4 J | 22.5 J | 21.6 J | 16.1 | 23.9 J | 18.1 J | 17.4 J | 19.3 J |
| PERCENT LIPIDS | 1.7 | 3 | 4.6 | 2.9 | 3.3 | 3.8 | 2.7 | 2.2 |
| % MOISTURE | 71.5 | 66.2 | 69.1 | 71.5 | 67.8 | 69.6 | 69.6 | 73 |

**TABLE 2-203**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LB-09-O | LF-LB-10-O | LF-LB-14-O | LF-LB-15-O | LF-LB-16-O |
|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 |
| Species | largemouth bass | largemouth bass | brown bullhead | brown bullhead | brown bullhead |
| SVOCs (ug/Kg) | | | | | |
| No Detections | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDD | 7.8 U | 4 J | 5.6 U | 11 J | 6.7 J |
| 4,4'-DDE | 53 | 40 | 22 | 55 J | 56 J |
| 4,4'-DDT | 7.8 U | 3 J | 5.6 U | 9.8 U | 5.2 U |
| alpha-Chlordane | 4 U | 2.6 U | 2.9 U | 5.1 U | 1.4 J |
| Aroclor-1260 | 140 | 62 | 40 | 230 J | 110 J |
| Endrin aldehyde | 7.8 U | 2.9 J | 5.6 U | 9.8 U | 5.2 U |
| Metals (mg/Kg) | | | | | |
| Aluminum | 1.7 UJ | 2.1 UJ | 2.8 UJ | 24.4 J | 4.2 J |
| Antimony | 0.074 U | R | 0.087 U | 0.11 U | 0.086 U |
| Cadmium | 0.029 J | 0.017 J | 0.012 UJ | 0.015 UJ | 0.012 UJ |
| Calcium | 24700 J | 13600 UJ | 26000 J | 26600 J | 22000 J |
| Chromium | 0.38 J | 0.23 J | 0.54 UJ | 0.48 UJ | 0.38 UJ |
| Cobalt | 0.034 UJ | 0.049 UJ | 0.04 UJ | 0.049 UJ | 0.039 UJ |
| Copper | 0.53 J | 0.35 J | 0.83 J | 1.1 J | 0.75 J |
| Iron | 20.1 J | 17.9 J | 66.2 J | 591 J | 93.5 J |
| Lead | 0.051 U | 0.074 U | 0.079 UJ | 1.3 J | 0.2 UJ |
| Manganese | 6.1 UJ | 21.6 UJ | 29.4 J | 41.6 J | 17.6 UJ |
| Mercury | 0.6 | 0.091 | 0.015 UJ | 0.057 UJ | 0.017 UJ |
| Potassium | 2360 J | 2480 J | 2460 J | 2290 J | 2190 J |
| Selenium | 0.85 J | 0.83 J | 0.77 J | 0.73 J | 0.74 J |
| Silver | 0.034 J | 0.039 UJ | 0.032 UJ | 0.039 UJ | 0.031 UJ |
| Zinc | 19 J | 18.6 J | 19.9 J | 23.4 J | 22 J |
| PERCENT LIPIDS | 0.5 | 2.2 | 1.3 | 1.6 | 2.2 |
| % MOISTURE | 69.5 | 72.1 | 75.7 | 77.9 | 74.6 |

**TABLE 2-204**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - REACH 3**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 6.2 | J | 74 | | LF-RV-03-O | 8 / 9 | 9.8 | 23 |
| 4,4'-DDE | 8.9 | J | 120 | J | LF-RV-03-O | 9 / 9 | N/A | 41 |
| 4,4'-DDT | 1 | J | 12 | J | LF-RV-03-O | 4 / 8 | 2.9 - 9.8 | 4.4 |
| Aldrin | 0.64 | J | 1.2 | J | LF-RV-03-O | 2 / 8 | 1 - 5.1 | 1.7 |
| alpha-BHC | | | | | | 0 / 8 | 0.51 - 5.1 | 1.6 |
| alpha-Chlordane | 3.9 | J | 55 | J | LF-LK-08-O | 9 / 9 | N/A | 18 |
| Aroclor-1016 | | | | | | 0 / 8 | 5 - 50 | 16 |
| Aroclor-1221 | | | | | | 0 / 8 | 10 - 99 | 32 |
| Aroclor-1232 | | | | | | 0 / 8 | 5 - 50 | 16 |
| Aroclor-1242 | | | | | | 0 / 8 | 5 - 50 | 16 |
| Aroclor-1248 | 73 | J | 73 | J | LF-RV-03-O | 1 / 8 | 5 - 50 | 23 |
| Aroclor-1254 | 29 | J | 250 | J | LF-RV-03-O | 8 / 9 | 50 | 80 |
| Aroclor-1260 | 37 | J | 350 | | LF-RV-03-O | 9 / 9 | N/A | 142 |
| beta-BHC | | | | | | 0 / 8 | 0.51 - 5.1 | 1.6 |
| delta-BHC | 0.56 | J | 1.1 | J | LF-LK-10-O | 3 / 8 | 2.5 - 5.1 | 1.8 |
| Dieldrin | 2.3 | J | 23 | | LF-RV-03-O | 6 / 9 | 9.8 | 7.9 |
| Endosulfan I | 4.3 | J | 4.3 | J | LF-RV-03-O | 1 / 8 | 0.51 - 5.1 | 2.0 |
| Endosulfan II | 14 | J | 14 | J | LF-RV-03-O | 1 / 8 | 1 - 9.8 | 4.6 |
| Endosulfan sulfate | 3.9 | J | 3.9 | J | LF-RV-03-O | 1 / 8 | 0.99 - 9.8 | 3.3 |
| Endrin | 1.6 | J | 7.9 | J | LF-LK-08-O | 6 / 8 | 9.8 | 4.3 |
| Endrin aldehyde | 1.5 | J | 8.5 | J | LF-LK-08-O | 5 / 8 | 4.9 - 9.8 | 4.7 |
| Endrin ketone | 0.27 | J | 6.4 | J | LF-RV-03-O | 2 / 8 | 2 - 9.8 | 3.6 |
| gamma-BHC (lindane) | | | | | | 0 / 8 | 0.51 - 5.1 | 1.6 |
| gamma-Chlordane | 3.8 | J | 36 | J | LF-LK-08-O | 8 / 9 | 5.1 | 11 |
| Heptachlor | | | | | | 0 / 8 | 0.51 - 5.1 | 1.6 |
| Heptachlor epoxide | 0.43 | J | 11 | J | LF-RV-03-O | 5 / 9 | 5.1 | 3.2 |
| Methoxychlor | | | | | | 0 / 8 | 5.1 - 51 | 16 |
| Toxaphene | | | | | | 0 / 8 | 51 - 510 | 162 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2.9 | J | 130 | J | LF-LK-07-O | 8 / 9 | 2.5 | 39 |
| Antimony | 0.14 | | 0.2 | | LF-LK-09-O | 3 / 7 | 0.1 - 0.11 | 0.10 |
| Arsenic | 1.4 | J | 2.5 | J | LF-LK-07-O | 3 / 9 | 0.099 - 0.61 | 0.71 |
| Barium | 1.1 | | 1.7 | | LF-RV-04-O | 4 / 9 | 1.3 - 38.6 | 3.8 |
| Beryllium | | | | | | 0 / 9 | 0.0094 - 0.014 | 0.0058 |
| Cadmium | 0.024 | J | 0.12 | | LF-LK-07-O | 9 / 9 | N/A | 0.058 |
| Calcium | 25500 | | 35000 | | LF-RV-03-O | 4 / 9 | 4220 - 14600 | 16103 |
| Chromium | 0.27 | J | 2.6 | J | LF-LK-07-O | 9 / 9 | N/A | 1.1 |
| Cobalt | 0.048 | J | 0.23 | J | LF-LK-07-O | 8 / 9 | 0.044 | 0.11 |
| Copper | 1 | J | 4.5 | J | LF-RV-04-O | 9 / 9 | N/A | 2.5 |
| Cyanide | | | | | | 0 / 9 | 0.47 - 0.59 | 0.27 |
| Iron | 36.3 | | 458 | J | LF-LK-07-O | 9 / 9 | N/A | 187 |
| Lead | 0.57 | J | 3.2 | J | LF-LK-07-O | 4 / 9 | 0.07 - 0.26 | 0.94 |
| Magnesium | | | | | | 0 / 9 | 238 - 737 | 239 |
| Manganese | | | | | | 0 / 9 | 3.1 - 9.3 | 3.2 |
| Mercury | 0.028 | J | 0.047 | J | LF-LK-07-O | 5 / 9 | 0.033 - 0.34 | 0.053 |
| Nickel | | | | | | 0 / 9 | 0.044 - 0.32 | 0.063 |
| Potassium | 2120 | J | 2570 | J | LF-LK-07-O | 9 / 9 | N/A | 2427 |
| Selenium | 0.44 | J | 0.72 | J | LF-RV-03-O | 9 / 9 | N/A | 0.60 |
| Silver | 0.11 | J | 0.22 | J | LF-LK-09-O | 2 / 9 | 0.036 - 0.044 | 0.052 |
| Sodium | | | | | | 0 / 9 | 1250 - 2020 | 809 |
| Thallium | | | | | | 0 / 9 | 0.13 - 0.15 | 0.073 |
| Vanadium | | | | | | 0 / 5 | 0.055 - 0.79 | 0.22 |
| Zinc | 21.2 | | 37.6 | J | LF-LK-10-O | 9 / 9 | N/A | 30 |
| PERCENT LIPIDS | 0.6 | | 5.3 | | LF-RV-03-O | 9 / 9 | N/A | 1.6 |
| % MOISTURE | 68 | | 77 | | LF-LK-06-O | 9 / 9 | N/A | 73 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-205**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - REACH 4**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 27 | | 60 | | LF-LK-11-O | 5 / 5 | N/A | 37 |
| 4,4'-DDE | 74 | | 200 | | LF-LK-36-O | 5 / 5 | N/A | 120 |
| 4,4'-DDT | 7 | J | 21 | | LF-LK-36-O | 5 / 5 | N/A | 12.8 |
| Aldrin | 1.5 | | 3 | | LF-LK-11-O | 4 / 5 | 5 | 2.3 |
| alpha-BHC | | | | | | 0 / 5 | 1 - 5 | 1.1 |
| alpha-Chlordane | 12 | | 31 | | LF-LK-11-O | 5 / 5 | N/A | 19 |
| Aroclor-1016 | | | | | | 0 / 5 | 9.9 - 50 | 10 |
| Aroclor-1221 | | | | | | 0 / 5 | 20 - 99 | 21 |
| Aroclor-1232 | | | | | | 0 / 5 | 9.9 - 50 | 10 |
| Aroclor-1242 | | | | | | 0 / 5 | 9.9 - 50 | 10 |
| Aroclor-1248 | | | | | | 0 / 5 | 9.9 - 50 | 10 |
| Aroclor-1254 | 190 | | 370 | | LF-LK-36-O | 5 / 5 | N/A | 252 |
| Aroclor-1260 | 190 | | 490 | | LF-LK-36-O | 5 / 5 | N/A | 294 |
| beta-BHC | 0.58 | J | 0.6 | J | LF-LK-11-O | 2 / 5 | 1 - 5 | 1.1 |
| delta-BHC | | | | | | 0 / 5 | 1 - 5 | 1.1 |
| Dieldrin | 5.3 | | 12 | | LF-LK-11-O | 5 / 5 | N/A | 8.5 |
| Endosulfan I | 1.8 | | 1.8 | | LF-LK-11-O | 1 / 5 | 1 - 5 | 1.3 |
| Endosulfan II | | | | | | 0 / 5 | 2 - 13 | 4.1 |
| Endosulfan sulfate | 1.4 | J | 1.9 | J | LF-LK-11-O | 2 / 5 | 2 - 9.8 | 2.3 |
| Endrin | 13 | | 32 | | LF-LK-36-O | 5 / 5 | N/A | 19.2 |
| Endrin aldehyde | 5.5 | J | 13 | | LF-LK-36-O | 5 / 5 | N/A | 8.2 |
| Endrin ketone | 1.1 | J | 1.1 | J | LF-LK-12-O | 1 / 5 | 2 - 9.8 | 2.1 |
| gamma-BHC (lindane) | | | | | | 0 / 5 | 1 - 5 | 1.1 |
| gamma-Chlordane | 4.8 | | 12 | | LF-LK-11-O | 5 / 5 | N/A | 7.4 |
| Heptachlor | | | | | | 0 / 5 | 1 - 5 | 1.1 |
| Heptachlor epoxide | 0.87 | J | 1.8 | | LF-LK-11-O | 4 / 5 | 5 | 1.6 |
| Methoxychlor | | | | | | 0 / 5 | 10 - 50 | 11 |
| Toxaphene | | | | | | 0 / 5 | 100 - 500 | 105 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3.4 | J | 3.4 | J | LF-LK-14-O | 1 / 5 | 1.2 - 3.1 | 1.5 |
| Antimony | | | | | | 0 / 5 | 0.083 - 0.11 | 0.049 |
| Arsenic | | | | | | 0 / 5 | 0.079 - 0.1 | 0.045 |
| Barium | | | | | | 0 / 5 | 0.66 - 1.6 | 0.47 |
| Beryllium | | | | | | 0 / 5 | 0.01 - 0.013 | 0.0058 |
| Cadmium | 0.018 | J | 0.026 | J | LF-LK-13-O | 5 / 5 | N/A | 0.021 |
| Calcium | 20100 | J | 34500 | J | LF-LK-13-O | 5 / 5 | N/A | 27020 |
| Chromium | 0.31 | J | 0.42 | J | LF-LK-13-O | 5 / 5 | N/A | 0.35 |
| Cobalt | | | | | | 0 / 5 | 0.038 - 0.05 | 0.022 |
| Copper | 0.58 | | 1.9 | | LF-LK-14-O | 5 / 5 | N/A | 1.1 |
| Cyanide | 0.47 | J | 0.47 | J | LF-LK-36-O | 1 / 5 | 0.41 - 0.48 | 0.27 |
| Iron | 30 | J | 43 | J | LF-LK-14-O | 5 / 5 | N/A | 34 |
| Lead | | | | | | 0 / 5 | 0.056 - 0.075 | 0.033 |
| Magnesium | | | | | | 0 / 5 | 483 - 735 | 305 |
| Manganese | | | | | | 0 / 5 | 2.1 - 5.3 | 2.1 |
| Mercury | 0.05 | J | 0.13 | J | LF-LK-36-O | 5 / 5 | N/A | 0.074 |
| Nickel | | | | | | 0 / 5 | 0.038 - 0.05 | 0.022 |
| Potassium | 2470 | J | 2850 | J | LF-LK-13-O | 5 / 5 | N/A | 2682 |
| Selenium | 0.78 | J | 1.1 | J | LF-LK-13-O | 5 / 5 | N/A | 0.91 |
| Silver | | | | | | 0 / 5 | 0.03 - 0.04 | 0.018 |
| Sodium | | | | | | 0 / 5 | 1700 - 2120 | 950 |
| Thallium | | | | | | 0 / 5 | 0.11 - 0.15 | 0.066 |
| Vanadium | | | | | | 0 / 3 | 0.048 - 0.055 | 0.026 |
| Zinc | 23.5 | J | 28.5 | J | LF-LK-11-O | 5 / 5 | N/A | 26 |
| PERCENT LIPIDS | 1.7 | | 2.4 | | LF-LK-11-O | 5 / 5 | N/A | 2.0 |
| % MOISTURE | 65.6 | | 80.8 | | LF-LK-14-O | 5 / 5 | N/A | 72 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-206**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - REACH 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 17 | J | 140 | | LF-RV-13-O | 6 / 6 | N/A | 67 |
| 4,4'-DDE | 110 | J | 540 | | LF-RV-15-O | 6 / 6 | N/A | 292 |
| 4,4'-DDT | 1.6 | J | 60 | | LF-RV-13-O | 6 / 6 | N/A | 27 |
| Aldrin | 0.7 | J | 3.7 | | LF-RV-15-O | 5 / 6 | 2.5 | 1.8 |
| alpha-BHC | | | | | | 0 / 6 | 1 - 2.5 | 1.0 |
| alpha-Chlordane | 8.6 | J | 58 | | LF-RV-13-O | 5 / 6 | 6.9 | 26 |
| Aroclor-1016 | | | | | | 0 / 6 | 9.9 - 25 | 10 |
| Aroclor-1221 | | | | | | 0 / 6 | 20 - 50 | 21 |
| Aroclor-1232 | | | | | | 0 / 6 | 9.9 - 25 | 10 |
| Aroclor-1242 | | | | | | 0 / 6 | 9.9 - 25 | 10 |
| Aroclor-1248 | | | | | | 0 / 6 | 9.9 - 25 | 10 |
| Aroclor-1254 | 91 | J | 770 | | LF-RV-13-O | 6 / 6 | N/A | 365 |
| Aroclor-1260 | 220 | J | 720 | | LF-RV-10-O | 6 / 6 | N/A | 438 |
| beta-BHC | 0.74 | J | 0.74 | J | LF-RV-05-O | 1 / 6 | 1.5 - 2.5 | 1.1 |
| delta-BHC | | | | | | 0 / 6 | 1 - 2.5 | 1.0 |
| Dieldrin | 3.6 | J | 25 | | LF-RV-13-O | 5 / 6 | 4.9 | 10 |
| Endosulfan I | | | | | | 0 / 6 | 1 - 5.6 | 1.5 |
| Endosulfan II | 4.8 | J | 7.7 | J | LF-RV-06-O | 2 / 6 | 11 - 32 | 8.6 |
| Endosulfan sulfate | 1.5 | J | 5.4 | | LF-RV-10-O | 4 / 6 | 4.9 | 3.1 |
| Endrin | 5.1 | J | 49 | | LF-RV-15-O | 4 / 6 | 10 - 16 | 19 |
| Endrin aldehyde | 5.8 | J | 24 | | LF-RV-13-O | 6 / 6 | N/A | 14 |
| Endrin ketone | | | | | | 0 / 6 | 2 - 4.9 | 2.0 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 1 - 2.5 | 1.0 |
| gamma-Chlordane | 2.6 | | 18 | | LF-RV-13-O | 6 / 6 | N/A | 8.6 |
| Heptachlor | | | | | | 0 / 6 | 1 - 2.5 | 1.0 |
| Heptachlor epoxide | 0.64 | J | 1.7 | | LF-RV-14-O | 3 / 6 | 2.5 | 1.2 |
| Methoxychlor | | | | | | 0 / 6 | 10 - 25 | 10 |
| Toxaphene | | | | | | 0 / 6 | 100 - 250 | 104 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1.3 | J | 3.7 | J | LF-RV-05-O | 6 / 6 | N/A | 2.1 |
| Antimony | | | | | | 0 / 6 | 0.091 - 0.11 | 0.053 |
| Arsenic | 0.11 | J | 0.11 | J | LF-RV-06-O | 1 / 6 | 0.086 - 0.15 | 0.063 |
| Barium | | | | | | 0 / 6 | 0.47 - 1.4 | 0.43 |
| Beryllium | | | | | | 0 / 6 | 0.011 - 0.014 | 0.0064 |
| Cadmium | 0.016 | J | 0.053 | J | LF-RV-05-O | 4 / 6 | 0.012 - 0.015 | 0.025 |
| Calcium | 21700 | J | 67100 | J | LF-RV-10-O | 5 / 6 | 13000 | 30100 |
| Chromium | 0.24 | J | 0.8 | J | LF-RV-05-O | 6 / 6 | N/A | 0.53 |
| Cobalt | 0.073 | J | 0.073 | J | LF-RV-05-O | 1 / 6 | 0.041 - 0.05 | 0.032 |
| Copper | 0.45 | J | 2.1 | J | LF-RV-05-O | 6 / 6 | N/A | 1.1 |
| Cyanide | | | | | | 0 / 6 | 0.41 - 0.61 | 0.24 |
| Iron | 17.6 | J | 145 | J | LF-RV-05-O | 6 / 6 | N/A | 43 |
| Lead | | | | | | 0 / 6 | 0.062 - 0.37 | 0.060 |
| Magnesium | 363 | J | 363 | J | LF-RV-06-O | 1 / 6 | 520 - 1130 | 354 |
| Manganese | | | | | | 0 / 6 | 2.6 - 7.6 | 2.6 |
| Mercury | 0.059 | J | 0.33 | J | LF-RV-10-O | 6 / 6 | N/A | 0.13 |
| Nickel | 0.83 | J | 0.83 | J | LF-RV-05-O | 1 / 6 | 0.041 - 0.05 | 0.16 |
| Potassium | 2400 | J | 2870 | J | LF-RV-15-O | 6 / 6 | N/A | 2600 |
| Selenium | 0.6 | J | 0.74 | J | LF-RV-06-O | 6 / 6 | N/A | 0.65 |
| Silver | 0.033 | J | 0.033 | J | LF-RV-15-O | 1 / 6 | 0.037 - 0.04 | 0.022 |
| Sodium | | | | | | 0 / 6 | 1500 - 3420 | 986 |
| Thallium | | | | | | 0 / 6 | 0.12 - 0.15 | 0.071 |
| Vanadium | | | | | | 0 / 2 | 0.051 - 0.054 | 0.026 |
| Zinc | 23.4 | J | 30.9 | J | LF-RV-05-O | 6 / 6 | N/A | 27 |
| PERCENT LIPIDS | 0.5 | | 3.4 | | LF-RV-13-O | 6 / 6 | N/A | 2.0 |
| % MOISTURE | 69.2 | | 72.2 | | LF-RV-05-O | 6 / 6 | N/A | 71 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-207**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 23 | | 150 | J | LF-RV-24-O | 6 / 6 | N/A | 105 |
| 4,4'-DDE | 33 | | 420 | J | LF-RV-21-O | 6 / 6 | N/A | 299 |
| 4,4'-DDT | 21 | J | 34 | J | LF-RV-21-O | 5 / 6 | 3.9 | 22 |
| Aldrin | 3.7 | J | 5.3 | J | LF-RV-23-O | 5 / 6 | 2 | 3.8 |
| alpha-BHC | | | | | | 0 / 6 | 2 - 2.6 | 1.2 |
| alpha-Chlordane | 19 | | 81 | J | LF-RV-24-O | 6 / 6 | N/A | 50 |
| Aroclor-1016 | | | | | | 0 / 6 | 20 - 25 | 12 |
| Aroclor-1221 | | | | | | 0 / 6 | 40 - 50 | 24 |
| Aroclor-1232 | | | | | | 0 / 6 | 20 - 25 | 12 |
| Aroclor-1242 | | | | | | 0 / 6 | 20 - 25 | 12 |
| Aroclor-1248 | 33 | | 33 | | LF-LK-25-O | 1 / 6 | 25 | 16 |
| Aroclor-1254 | 80 | | 770 | J | LF-RV-24-O | 6 / 6 | N/A | 492 |
| Aroclor-1260 | 140 | | 490 | J | LF-RV-21-O | 6 / 6 | N/A | 388 |
| beta-BHC | 1.4 | J | 2.3 | J | LF-LK-22-O | 5 / 6 | 2 | 1.7 |
| delta-BHC | | | | | | 0 / 6 | 2 - 2.6 | 1.2 |
| Dieldrin | 2 | J | 18 | J | LF-LK-22-O | 6 / 6 | N/A | 14 |
| Endosulfan I | 2 | J | 6.4 | J | LF-RV-24-O | 6 / 6 | N/A | 4.8 |
| Endosulfan II | 12 | J | 21 | J | LF-RV-24-O | 5 / 6 | 3.9 | 14 |
| Endosulfan sulfate | 4 | J | 8.9 | J | LF-LK-22-O | 4 / 6 | 3.9 - 5 | 4.6 |
| Endrin | 32 | J | 66 | J | LF-RV-24-O | 5 / 6 | 3.9 | 40 |
| Endrin aldehyde | 10 | J | 17 | J | LF-RV-21-O | 5 / 6 | 3.9 | 12 |
| Endrin ketone | | | | | | 0 / 6 | 3.9 - 5 | 2.4 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 2 - 2.6 | 1.2 |
| gamma-Chlordane | 14 | | 26 | J | LF-RV-24-O | 6 / 6 | N/A | 17 |
| Heptachlor | | | | | | 0 / 6 | 2 - 2.6 | 1.2 |
| Heptachlor epoxide | 2.5 | J | 2.5 | J | LF-LK-25-O | 1 / 6 | 2.5 - 2.6 | 1.5 |
| Methoxychlor | | | | | | 0 / 6 | 20 - 26 | 12 |
| Toxaphene | | | | | | 0 / 6 | 200 - 260 | 122 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 0.54 - 9.8 | 1.3 |
| Antimony | | | | | | 0 / 6 | 0.086 - 0.1 | 0.047 |
| Arsenic | 0.096 | | 0.096 | | LF-LK-25-O | 1 / 6 | 0.082 - 0.096 | 0.053 |
| Barium | | | | | | 0 / 6 | 0.32 - 2.3 | 0.42 |
| Beryllium | | | | | | 0 / 6 | 0.0089 - 0.012 | 0.0056 |
| Cadmium | 0.014 | J | 0.024 | J | LF-RV-20-O | 5 / 5 | N/A | 0.018 |
| Calcium | 19700 | | 35600 | | LF-RV-21-O | 5 / 6 | 16000 | 24500 |
| Chromium | 0.24 | J | 0.43 | J | LF-RV-21-O | 6 / 6 | N/A | 0.35 |
| Cobalt | | | | | | 0 / 6 | 0.039 - 0.046 | 0.022 |
| Copper | 0.4 | J | 0.71 | J | LF-LK-25-O | 6 / 6 | N/A | 0.53 |
| Cyanide | | | | | | 0 / 6 | 0.43 - 0.56 | 0.26 |
| Iron | 17.8 | | 181 | J | LF-LK-25-O | 6 / 6 | N/A | 48 |
| Lead | 0.066 | J | 0.18 | J | LF-RV-21-O | 5 / 6 | 0.52 | 0.13 |
| Magnesium | | | | | | 0 / 6 | 458 - 675 | 276 |
| Manganese | | | | | | 0 / 6 | 2.8 - 13.2 | 2.8 |
| Mercury | 0.0092 | | 0.13 | | LF-LK-22-O | 6 / 6 | N/A | 0.093 |
| Nickel | | | | | | 0 / 6 | 0.039 - 0.046 | 0.022 |
| Potassium | 2550 | | 2820 | | LF-RV-20-O | 6 / 6 | N/A | 2625 |
| Selenium | 0.52 | J | 0.96 | J | LF-RV-24-O | 6 / 6 | N/A | 0.71 |
| Silver | 0.04 | | 0.04 | | LF-RV-20-O | 1 / 6 | 0.031 - 0.037 | 0.021 |
| Sodium | | | | | | 0 / 6 | 1530 - 1790 | 821 |
| Thallium | | | | | | 0 / 6 | 0.12 - 0.14 | 0.065 |
| Vanadium | | | | | | 0 / 5 | 0.043 - 0.05 | 0.023 |
| Zinc | 17.3 | J | 25.3 | J | LF-RV-24-O | 6 / 6 | N/A | 21 |
| PERCENT LIPIDS | 2 | | 6.5 | | LF-LK-22-O | 6 / 6 | N/A | 4.4 |
| % MOISTURE | 62.5 | | 72.6 | | LF-LK-25-O | 6 / 6 | N/A | 67 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-208**
**LARGE FISH OFFAL TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 6.2 | J | 150 | J | LF-RV-24-O | 25 / 26 | 9.8 | 55 |
| 4,4'-DDE | 8.9 | J | 540 | | LF-RV-15-O | 26 / 26 | N/A | 173 |
| 4,4'-DDT | 1 | J | 60 | | LF-RV-13-O | 20 / 25 | 2.9 - 9.8 | 16 |
| Aldrin | 0.64 | J | 5.3 | J | LF-RV-23-O | 16 / 25 | 1 - 5.1 | 2.3 |
| alpha-BHC | | | | | | 0 / 25 | 0.51 - 5.1 | 1.3 |
| alpha-Chlordane | 3.9 | J | 81 | J | LF-RV-24-O | 25 / 26 | 6.9 | 27 |
| Aroclor-1016 | | | | | | 0 / 25 | 5 - 50 | 13 |
| Aroclor-1221 | | | | | | 0 / 25 | 10 - 99 | 25 |
| Aroclor-1232 | | | | | | 0 / 25 | 5 - 50 | 13 |
| Aroclor-1242 | | | | | | 0 / 25 | 5 - 50 | 13 |
| Aroclor-1248 | 33 | | 73 | J | LF-RV-03-O | 2 / 25 | 5 - 50 | 16 |
| Aroclor-1254 | 29 | J | 770 | J | LF-RV-13-O | 25 / 26 | 50 | 274 |
| Aroclor-1260 | 37 | J | 720 | | LF-RV-10-O | 26 / 26 | N/A | 297 |
| beta-BHC | 0.58 | J | 2.3 | J | LF-LK-22-O | 8 / 25 | 0.51 - 5.1 | 1.4 |
| delta-BHC | 0.56 | J | 1.1 | J | LF-LK-10-O | 3 / 25 | 1 - 5.1 | 1.3 |
| Dieldrin | 2 | J | 25 | | LF-RV-13-O | 22 / 26 | 4.9 - 9.8 | 9.9 |
| Endosulfan I | 1.8 | | 6.4 | J | LF-RV-24-O | 8 / 25 | 0.51 - 5.6 | 2.4 |
| Endosulfan II | 4.8 | J | 21 | J | LF-RV-24-O | 8 / 25 | 1 - 32 | 7.8 |
| Endosulfan sulfate | 1.4 | J | 8.9 | J | LF-LK-22-O | 11 / 25 | 0.99 - 9.8 | 3.4 |
| Endrin | 1.6 | J | 66 | J | LF-RV-24-O | 20 / 25 | 3.9 - 16 | 19 |
| Endrin aldehyde | 1.5 | J | 24 | | LF-RV-13-O | 21 / 25 | 3.9 - 9.8 | 9.4 |
| Endrin ketone | 0.27 | J | 6.4 | J | LF-RV-03-O | 3 / 25 | 2 - 9.8 | 2.6 |
| gamma-BHC (lindane) | | | | | | 0 / 25 | 0.51 - 5.1 | 1.3 |
| gamma-Chlordane | 2.6 | | 36 | J | LF-LK-08-O | 25 / 26 | 5.1 | 11 |
| Heptachlor | | | | | | 0 / 25 | 0.51 - 5.1 | 1.3 |
| Heptachlor epoxide | 0.43 | J | 11 | J | LF-RV-03-O | 13 / 26 | 2.5 - 5.1 | 2.0 |
| Methoxychlor | | | | | | 0 / 25 | 5.1 - 51 | 13 |
| Toxaphene | | | | | | 0 / 25 | 51 - 510 | 127 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1.3 | J | 130 | J | LF-LK-07-O | 15 / 26 | 0.54 - 9.8 | 15 |
| Antimony | 0.14 | | 0.2 | | LF-LK-09-O | 3 / 24 | 0.083 - 0.11 | 0.064 |
| Arsenic | 0.096 | | 2.5 | J | LF-LK-07-O | 5 / 26 | 0.079 - 0.61 | 0.28 |
| Barium | 1.1 | | 1.7 | | LF-RV-04-O | 4 / 26 | 0.32 - 38.6 | 1.6 |
| Beryllium | | | | | | 0 / 26 | 0.0089 - 0.014 | 0.0059 |
| Cadmium | 0.014 | J | 0.12 | | LF-LK-07-O | 23 / 25 | 0.012 - 0.015 | 0.035 |
| Calcium | 19700 | | 67100 | J | LF-RV-10-O | 19 / 26 | 4220 - 16000 | 23370 |
| Chromium | 0.24 | J | 2.6 | J | LF-LK-07-O | 26 / 26 | N/A | 0.64 |
| Cobalt | 0.048 | J | 0.23 | J | LF-LK-07-O | 9 / 26 | 0.038 - 0.05 | 0.053 |
| Copper | 0.4 | J | 4.5 | J | LF-RV-04-O | 26 / 26 | N/A | 1.4 |
| Cyanide | 0.47 | J | 0.47 | J | LF-LK-36-O | 1 / 26 | 0.41 - 0.61 | 0.26 |
| Iron | 17.6 | J | 458 | J | LF-LK-07-O | 26 / 26 | N/A | 92 |
| Lead | 0.066 | J | 3.2 | J | LF-LK-07-O | 9 / 26 | 0.056 - 0.52 | 0.37 |
| Magnesium | 363 | J | 363 | J | LF-RV-06-O | 1 / 26 | 238 - 1130 | 287 |
| Manganese | | | | | | 0 / 26 | 2.1 - 13.2 | 2.8 |
| Mercury | 0.0092 | | 0.33 | J | LF-RV-10-O | 22 / 26 | 0.033 - 0.34 | 0.085 |
| Nickel | 0.83 | J | 0.83 | J | LF-RV-05-O | 1 / 26 | 0.038 - 0.32 | 0.067 |
| Potassium | 2120 | J | 2870 | J | LF-RV-15-O | 26 / 26 | N/A | 2562 |
| Selenium | 0.44 | J | 1.1 | J | LF-LK-13-O | 26 / 26 | N/A | 0.70 |
| Silver | 0.033 | J | 0.22 | J | LF-LK-09-O | 4 / 26 | 0.03 - 0.044 | 0.031 |
| Sodium | | | | | | 0 / 26 | 1250 - 3420 | 880 |
| Thallium | | | | | | 0 / 26 | 0.11 - 0.15 | 0.069 |
| Vanadium | | | | | | 0 / 15 | 0.043 - 0.79 | 0.091 |
| Zinc | 17.3 | J | 37.6 | J | LF-LK-10-O | 26 / 26 | N/A | 27 |
| PERCENT LIPIDS | 0.5 | | 6.5 | | LF-LK-22-O | 26 / 26 | N/A | 2.4 |
| % MOISTURE | 62.5 | | 80.8 | | LF-LK-14-O | 26 / 26 | N/A | 71 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-209**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-06-O | LF-LK-07-O | LF-LK-08-O | LF-LK-09-O | LF-LK-10-O | LF-LK-11-O | LF-LK-12-O | LF-LK-13-O |
|---|---|---|---|---|---|---|---|---|
| Reach | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| Species | brown bullhead | brown bullhead | brown bullhead | brown bullhead | brown bullhead | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 15 J | 6.2 J | 49 J | 8.2 J | 15 J | 60 | 27 | 28 |
| 4,4'-DDE | 24 J | 10 J | 49 J | 8.9 J | 22 J | 120 | 85 | 120 |
| 4,4'-DDT | 9.8 U | 1.3 J | 5 J | 1 J | 2.9 U | 11 | 12 | 13 |
| Aldrin | 5.1 U | 0.64 J | 5.1 U | 1 U | 1.5 U | 3 | 1.7 | 1.5 |
| alpha-Chlordane | 16 J | 6.1 J | 55 J | 8.4 J | 14 J | 31 | 15 | 12 |
| Aroclor-1248 | 50 U | 5 UJ | 50 U | 9.9 U | 15 U | 10 U | 9.9 U | 9.9 U |
| Aroclor-1254 | 71 J | 29 J | 130 J | 34 J | 58 J | 290 | 190 | 210 |
| Aroclor-1260 | 110 J | 55 J | 160 J | 37 J | 78 J | 280 | 240 | 270 |
| beta-BHC | 5.1 U | 0.51 UJ | 5.1 U | 1 U | 1.5 U | 0.6 J | 0.58 J | 1 U |
| delta-BHC | 5.1 U | 0.56 J | 5.1 U | 0.89 J | 1.1 J | 1 U | 1 U | 1 U |
| Dieldrin | 9.8 U | 2.3 J | 13 J | 3.3 J | 4.9 J | 12 | 8.7 | 5.3 |
| Endosulfan I | 5.1 U | 0.51 UJ | 5.1 U | 1 U | 1.5 U | 1.8 | 1 U | 1 U |
| Endosulfan II | 9.8 U | 1 UJ | 9.8 U | 2 U | 2.9 U | 9.1 U | 6.7 U | 2 U |
| Endosulfan sulfate | 9.8 U | 0.99 UJ | 9.8 U | 2 U | 2.9 U | 1.9 J | 1.4 J | 2 U |
| Endrin | 4.8 J | 1.8 J | 7.9 J | 1.6 J | 3.4 J | 19 | 15 | 17 |
| Endrin aldehyde | 9.8 U | 4.9 J | 8.5 J | 1.5 J | 4.8 J | 7.7 | 7.2 | 7.7 |
| Endrin ketone | 9.8 U | 0.27 J | 9.8 U | 2 U | 2.9 U | 2 U | 1.1 J | 2 U |
| gamma-Chlordane | 9.1 J | 4.1 J | 36 J | 5.1 J | 8.6 J | 12 | 6 | 4.8 |
| Heptachlor epoxide | 5.1 U | 0.43 J | 5.1 U | 0.57 J | 1 J | 1.8 | 1.4 | 0.87 J |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 2.9 J | 130 J | 106 J | 21.7 J | 72.2 J | 2.5 UJ | 1.3 UJ | 1.2 UJ |
| Antimony | R | 0.14 | 0.15 | 0.2 | 0.11 U | 0.097 U | 0.085 U | 0.11 U |
| Arsenic | 0.25 UJ | 2.5 J | 1.4 J | 0.61 UJ | 1.8 J | 0.093 U | 0.081 U | 0.1 U |
| Barium | 3.2 U | 2.6 U | 10.8 U | 1.3 U | 38.6 U | 0.78 UJ | 0.66 UJ | 1 UJ |
| Cadmium | 0.044 J | 0.12 | 0.12 | 0.055 | 0.06 J | 0.02 J | 0.021 J | 0.026 J |
| Calcium | 14300 UJ | 6440 UJ | 11700 UJ | 4220 UJ | 14600 UJ | 27600 J | 28300 J | 34500 J |
| Chromium | 0.27 J | 2.6 J | 2.1 J | 0.49 J | 1.7 J | 0.35 J | 0.36 J | 0.42 J |
| Cobalt | 0.044 UJ | 0.23 J | 0.18 J | 0.1 J | 0.2 J | 0.044 UJ | 0.038 UJ | 0.049 UJ |
| Copper | 1 J | 3.6 | 3.4 | 1.2 | 3 J | 0.84 | 0.58 | 0.84 |
| Cyanide | 0.51 UJ | 0.55 UJ | 0.52 UJ | 0.59 UJ | 0.57 UJ | 0.41 UJ | 0.43 UJ | 0.47 UJ |
| Iron | 107 J | 458 J | 413 J | 267 J | 284 J | 31.6 J | 31.8 J | 30 J |
| Lead | 0.26 UJ | 3.2 J | 2.5 J | 0.57 J | 1.9 J | 0.066 UJ | 0.058 UJ | 0.074 UJ |
| Magnesium | 384 UJ | 311 UJ | 353 UJ | 238 UJ | 424 UJ | 582 UJ | 660 UJ | 735 UJ |
| Mercury | 0.045 J | 0.047 J | 0.029 J | 0.039 J | 0.028 J | 0.064 J | 0.064 J | 0.061 J |
| Nickel | 0.044 UJ | 0.32 UJ | 0.32 UJ | 0.072 UJ | 0.18 UJ | 0.044 UJ | 0.038 UJ | 0.049 UJ |
| Potassium | 2470 J | 2570 J | 2120 J | 2310 J | 2510 J | 2650 J | 2800 J | 2850 J |
| Selenium | 0.44 J | 0.69 J | 0.45 J | 0.57 J | 0.67 J | 0.91 J | 0.83 J | 1.1 J |
| Silver | 0.036 UJ | 0.039 UJ | 0.04 UJ | 0.22 J | 0.11 J | 0.035 U | 0.031 U | 0.039 U |
| Zinc | 22.7 J | 34.7 | 37.5 | 21.2 | 37.6 J | 28.5 J | 25.8 J | 27.9 J |
| PERCENT LIPIDS | 0.8 | 0.8 | 1.7 | 1 | 1.4 | 2.4 | 1.8 | 1.7 |
| % MOISTURE | 77 | 74.5 | 71.9 | 74.7 | 74.7 | 68.4 | 70.5 | 72.7 |

**TABLE 2-209**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-14-O | LF-LK-22-O | LF-LK-25-O | LF-LK-36-O | LF-RV-01-O | LF-RV-02-O | LF-RV-03-O | LF-RV-04-O |
|---|---|---|---|---|---|---|---|---|
| Reach | 4 | 6 | 6 | 4 | 3 | 3 | 3 | 3 |
| Species | largemouth bass | largemouth bass | brown bullhead | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 32 | 120 J | 23 | 39 | 9.8 U | 12 J | 74 | 25 J |
| 4,4'-DDE | 74 | 330 J | 33 | 200 | 43 | 40 J | 120 J | 50 J |
| 4,4'-DDT | 7 J | 23 J | 3.9 U | 21 | 9.8 U | 9.8 UJ | 12 J | R |
| Aldrin | 5 U | 3.7 J | 2 U | 2.8 | 5.1 U | 5.1 UJ | 1.2 J | R |
| alpha-Chlordane | 20 | 50 J | 19 | 15 | 3.9 J | 6.8 J | 31 J | 18 J |
| Aroclor-1248 | 50 U | 25 U | 33 | 25 U | 50 U | 50 UJ | 73 J | R |
| Aroclor-1254 | 200 | 450 J | 80 | 370 | 50 U | 53 J | 250 J | 74 J |
| Aroclor-1260 | 190 | 430 J | 140 | 490 | 190 | 160 J | 350 | 140 J |
| beta-BHC | 5 U | 2.3 J | 2 U | 2.5 U | 5.1 U | 5.1 UJ | 2.5 U | R |
| delta-BHC | 5 U | 2.5 U | 2 U | 2.5 U | 5.1 U | 5.1 UJ | 2.5 U | R |
| Dieldrin | 8.1 J | 18 J | 2 J | 8.5 | 9.8 U | 9.8 UJ | 23 | 10 J |
| Endosulfan I | 5 U | 5.2 J | 2 J | 2.5 U | 5.1 U | 5.1 UJ | 4.3 J | R |
| Endosulfan II | 9.8 U | 15 J | 3.9 U | 13 U | 9.8 U | 9.8 UJ | 14 J | R |
| Endosulfan sulfate | 9.8 U | 8.9 J | 3.9 U | 4.9 U | 9.8 U | 9.8 UJ | 3.9 J | R |
| Endrin | 13 | 38 J | 3.9 U | 32 | 9.8 U | 9.8 UJ | 5 J | R |
| Endrin aldehyde | 5.5 J | 14 J | 3.9 U | 13 | 9.8 U | 6 J | 4.9 U | R |
| Endrin ketone | 9.8 U | 4.9 U | 3.9 U | 4.9 U | 9.8 U | 9.8 UJ | 6.4 J | R |
| gamma-Chlordane | 7.5 | 16 J | 14 | 6.6 | 5.1 U | 3.8 J | 19 | 8.8 J |
| Heptachlor epoxide | 5 U | 2.5 U | 2.5 J | 1.4 J | 5.1 U | 5.1 UJ | 11 J | 5.2 J |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 3.4 J | 1.4 UJ | 9.8 UJ | 3.1 UJ | 8.4 J | 2.5 UJ | 6.8 J | 5.6 J |
| Antimony | 0.11 U | 0.092 U | 0.098 U | 0.083 U | 0.11 U | R | 0.1 U | 0.11 U |
| Arsenic | 0.1 U | 0.088 U | 0.096 | 0.079 U | 0.15 UJ | 0.099 U | 0.12 UJ | 0.11 UJ |
| Barium | 1.6 UJ | 0.44 U | 2.3 U | 0.7 UJ | 1.1 | 1.2 | 1.5 | 1.7 |
| Cadmium | 0.021 J | 0.02 J | 0.017 J | 0.018 J | 0.04 J | 0.032 J | 0.024 J | 0.026 J |
| Calcium | 20100 J | 25200 | 16000 UJ | 24600 J | 33000 | 25800 | 35000 | 25500 |
| Chromium | 0.31 J | 0.32 J | 0.38 J | 0.31 J | 0.65 J | 0.44 J | 0.74 J | 0.49 J |
| Cobalt | 0.05 UJ | 0.042 UJ | 0.045 UJ | 0.038 UJ | 0.049 J | 0.06 J | 0.048 J | 0.058 J |
| Copper | 1.9 | 0.42 J | 0.71 J | 1.2 J | 1.8 J | 2.2 J | 1.4 J | 4.5 J |
| Cyanide | 0.48 UJ | 0.52 U | 0.43 U | 0.47 J | 0.54 U | 0.56 U | 0.47 U | 0.56 U |
| Iron | 43 J | 17.8 | 181 J | 33.5 J | 39.9 | 36.3 | 38.3 | 42.5 |
| Lead | 0.075 UJ | 0.066 J | 0.52 UJ | 0.056 UJ | 0.074 UJ | 0.07 UJ | 0.071 UJ | 0.075 UJ |
| Magnesium | 483 UJ | 550 U | 458 UJ | 587 UJ | 692 U | 580 U | 737 U | 581 U |
| Mercury | 0.05 J | 0.13 | 0.0092 | 0.13 J | 0.34 UJ | 0.16 UJ | 0.038 UJ | 0.033 UJ |
| Nickel | 0.05 UJ | 0.042 UJ | 0.045 UJ | 0.038 UJ | 0.049 U | 0.047 U | 0.048 U | 0.05 U |
| Potassium | 2470 J | 2570 | 2560 J | 2640 J | 2450 | 2470 | 2400 | 2540 |
| Selenium | 0.93 J | 0.69 J | 0.52 J | 0.78 J | 0.55 J | 0.66 J | 0.72 J | 0.67 J |
| Silver | 0.04 U | 0.034 U | 0.036 UJ | 0.03 U | 0.039 UJ | 0.042 UJ | 0.044 UJ | 0.04 UJ |
| Zinc | 26.5 J | 20.3 J | 22.4 J | 23.5 J | 29.9 J | 27.9 J | 33.5 J | 28.1 J |
| PERCENT LIPIDS | 2.3 | 6.5 | 2 | 2 | 0.6 | 0.8 | 5.3 | 2.4 |
| % MOISTURE | 80.8 | 65.3 | 72.6 | 65.6 | 71.2 | 75.6 | 68 | 68.6 |

**TABLE 2-209**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-RV-05-O | LF-RV-06-O | LF-RV-10-O | LF-RV-13-O | LF-RV-14-O | LF-RV-15-O | LF-RV-20-O | LF-RV-21-O |
|---|---|---|---|---|---|---|---|---|
| Reach | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| Species | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 17 J | 43 J | 46 | 140 | 53 | 100 | 110 J | 130 J |
| 4,4'-DDE | 110 J | 160 J | 260 | 490 | 190 | 540 | 320 J | 420 J |
| 4,4'-DDT | 1.6 J | 2.8 J | 41 | 60 | 28 | 31 | 25 J | 34 J |
| Aldrin | 0.7 J | 1.8 J | 1.2 J | 2.5 U | 2.1 | 3.7 | 4 J | 4 J |
| alpha-Chlordane | 8.6 J | 18 J | 6.9 U | 58 | 26 | 43 | 47 J | 50 J |
| Aroclor-1248 | 9.9 U | 25 U | 25 U | 25 U | 15 U | 25 U | 25 U | 25 U |
| Aroclor-1254 | 91 J | 260 J | 160 | 770 | 250 | 660 | 620 J | 630 J |
| Aroclor-1260 | 220 J | 270 J | 720 | 650 | 320 | 450 | 440 J | 490 J |
| beta-BHC | 0.74 J | 2.5 U | 2.5 U | 2.5 U | 1.5 U | 2.5 U | 2.2 J | 1.4 J |
| delta-BHC | 1 U | 2.5 U | 2.5 U | 2.5 U | 1.5 U | 2.5 U | 2.6 U | 2.5 U |
| Dieldrin | 3.6 J | 7.2 J | 4.9 U | 25 | 11 | 13 | 15 J | 16 J |
| Endosulfan I | 1 U | 2.5 U | 2.5 U | 5.6 U | 2.2 U | 4.4 U | 4.9 J | 5.8 J |
| Endosulfan II | 4.8 J | 7.7 J | 18 U | 32 U | 11 U | 17 U | 18 J | 19 J |
| Endosulfan sulfate | 1.5 J | 4.9 U | 5.4 | 4.9 U | 1.6 J | 5.3 | 5 U | 4 J |
| Endrin | 5.1 J | 21 J | 16 U | 25 | 10 U | 49 | 50 J | 55 J |
| Endrin aldehyde | 5.8 J | 7.5 J | 19 | 24 | 11 | 15 | 14 J | 17 J |
| Endrin ketone | 2 U | 4.9 U | 4.9 U | 4.9 U | 2.9 U | 4.9 U | 5 U | 4.9 U |
| gamma-Chlordane | 3.2 J | 7 J | 2.6 | 18 | 8.6 | 12 | 15 J | 16 J |
| Heptachlor epoxide | 0.64 J | 1.4 J | 2.5 U | 2.5 U | 1.7 | 2.5 U | 2.6 U | 2.5 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 3.7 J | 2.2 J | 1.9 J | 1.7 J | 1.3 J | 1.6 J | 0.64 UJ | 2.4 UJ |
| Antimony | 0.11 U | 0.11 U | 0.11 U | 0.11 U | 0.1 U | 0.091 U | 0.095 U | 0.086 U |
| Arsenic | 0.15 UJ | 0.11 J | 0.1 U | 0.1 U | 0.098 U | 0.086 U | 0.091 U | 0.082 U |
| Barium | 1 U | 0.47 U | 1.4 UJ | 1 UJ | 0.68 UJ | 0.56 UJ | 0.48 U | 0.83 U |
| Cadmium | 0.053 J | 0.028 J | 0.04 J | 0.015 UJ | 0.016 J | 0.012 UJ | 0.024 J | 0.017 J |
| Calcium | 21700 J | 13000 UJ | 67100 J | 34000 J | 22400 J | 28900 J | 33100 | 35600 |
| Chromium | 0.8 J | 0.24 J | 0.78 J | 0.42 J | 0.59 J | 0.37 J | 0.4 J | 0.43 J |
| Cobalt | 0.073 J | 0.05 UJ | 0.048 UJ | 0.049 UJ | 0.047 UJ | 0.041 UJ | 0.043 UJ | 0.039 UJ |
| Copper | 2.1 J | 1.1 J | 1.3 J | 0.98 J | 0.45 J | 0.51 J | 0.47 J | 0.55 J |
| Cyanide | 0.42 UJ | 0.5 UJ | 0.41 U | 0.48 U | 0.5 U | 0.61 U | 0.56 U | 0.55 U |
| Iron | 145 J | 23.4 J | 29.4 J | 23.6 J | 20.2 | 17.6 J | 20.4 | 24.6 |
| Lead | 0.37 UJ | 0.075 UJ | 0.072 UJ | 0.074 UJ | 0.07 UJ | 0.062 UJ | 0.098 J | 0.18 J |
| Magnesium | 520 UJ | 363 J | 1130 UJ | 738 UJ | 525 UJ | 611 UJ | 675 U | 605 U |
| Mercury | 0.16 J | 0.066 J | 0.33 J | 0.085 J | 0.1 J | 0.059 J | 0.12 | 0.13 |
| Nickel | 0.83 J | 0.05 UJ | 0.048 UJ | 0.049 UJ | 0.047 UJ | 0.041 UJ | 0.043 UJ | 0.039 UJ |
| Potassium | 2500 J | 2610 J | 2420 J | 2800 J | 2400 J | 2870 J | 2820 | 2600 |
| Selenium | 0.63 J | 0.74 J | 0.7 J | 0.61 J | 0.6 J | 0.61 J | 0.75 J | 0.7 J |
| Silver | 0.04 UJ | 0.04 UJ | 0.039 UJ | 0.039 UJ | 0.037 UJ | 0.033 J | 0.04 | 0.031 U |
| Zinc | 30.9 J | 27.4 J | 27.5 J | 28.6 J | 23.4 J | 26.3 J | 22.2 J | 17.3 J |
| PERCENT LIPIDS | 1 | 1.9 | 0.5 | 3.4 | 1.9 | 3.1 | 4 | 4.6 |
| % MOISTURE | 72.2 | 71.8 | 69.2 | 69.9 | 71.3 | 72 | 62.5 | 68.4 |

**TABLE 2-209**
**LARGE FISH OFFAL TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-RV-23-O | LF-RV-24-O |
|---|---|---|
| Reach | 6 | 6 |
| Species | largemouth bass | largemouth bass |
| SVOCs (ug/Kg) | | |
| No Detections | | |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 99 J | 150 J |
| 4,4'-DDE | 310 J | 380 J |
| 4,4'-DDT | 21 J | 29 J |
| Aldrin | 5.3 J | 4.5 J |
| alpha-Chlordane | 54 J | 81 J |
| Aroclor-1248 | 25 U | 25 U |
| Aroclor-1254 | 400 J | 770 J |
| Aroclor-1260 | 350 J | 480 J |
| beta-BHC | 1.6 J | 1.5 J |
| delta-BHC | 2.5 U | 2.5 U |
| Dieldrin | 12 J | 18 J |
| Endosulfan I | 4.7 J | 6.4 J |
| Endosulfan II | 12 J | 21 J |
| Endosulfan sulfate | 5.9 J | 4.1 J |
| Endrin | 32 J | 66 J |
| Endrin aldehyde | 10 J | 16 J |
| Endrin ketone | 4.9 U | 4.9 U |
| gamma-Chlordane | 16 J | 26 J |
| Heptachlor epoxide | 2.5 U | 2.5 U |
| Metals (mg/Kg) | | |
| Aluminum | 1 UJ | 0.54 UJ |
| Antimony | 0.095 U | 0.1 U |
| Arsenic | 0.091 U | 0.096 U |
| Barium | 0.32 U | 0.68 U |
| Cadmium | 0.014 J | R |
| Calcium | 19700 | 25400 |
| Chromium | 0.24 J | 0.31 J |
| Cobalt | 0.043 UJ | 0.046 UJ |
| Copper | 0.4 J | 0.65 J |
| Cyanide | 0.55 U | 0.46 U |
| Iron | 20.1 | 21.5 |
| Lead | 0.07 J | 0.09 J |
| Magnesium | 474 U | 554 U |
| Mercury | 0.094 | 0.075 |
| Nickel | 0.043 UJ | 0.046 UJ |
| Potassium | 2650 | 2550 |
| Selenium | 0.64 J | 0.96 J |
| Silver | 0.035 U | 0.037 U |
| Zinc | 20 J | 25.3 J |
| PERCENT LIPIDS | 3.9 | 5.3 |
| % MOISTURE | 68.1 | 67.9 |

**TABLE 2-210**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 1,2-Dichlorobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 1,3-Dichlorobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 1,4-Dichlorobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,4-Dichlorophenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,4-Dimethylphenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,4-Dinitrophenol | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 2,4-Dinitrotoluene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2,6-Dinitrotoluene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2-Chloronaphthalene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2-Chlorophenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2-Methylnaphthalene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2-Methylphenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 2-Nitroaniline | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 2-Nitrophenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 3-Nitroaniline | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 4-Chloroaniline | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 4-Methylphenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| 4-Nitroaniline | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| 4-Nitrophenol | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| Acenaphthene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Acenaphthylene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Anthracene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Benzo(a)anthracene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Benzo(a)pyrene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Benzo(b)fluoranthene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Benzo(g,h,i)perylene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Benzo(k)fluoranthene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Butylbenzylphthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Carbazole | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Chrysene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Dibenz(a,h)anthracene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Dibenzofuran | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Diethylphthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Dimethylphthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Di-n-butylphthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Di-n-octylphthalate | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Fluoranthene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Fluorene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Hexachlorobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Hexachlorobutadiene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Hexachlorocyclopentadiene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Hexachloroethane | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Isophorone | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Naphthalene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Nitrobenzene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| N-nitrosodiphenylamine | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Pentachlorophenol | | | | | | 0 / 8 | 5300 - 16000 | 5238 |
| Phenanthrene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Phenol | | | | | | 0 / 8 | 2200 - 6600 | 2169 |
| Pyrene | | | | | | 0 / 8 | 2200 - 6600 | 2169 |

**TABLE 2-210**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4.3 | | 150 | J | LF-LB-25 | 13 / 13 | N/A | 32 |
| 4,4'-DDE | 16 | | 280 | J | LF-LB-25 | 13 / 13 | N/A | 86 |
| 4,4'-DDT | 2.6 | J | 15 | J | LF-LB-26 | 7 / 13 | 2 - 10 | 5.9 |
| Aldrin | | | | | | 0 / 13 | 1 - 5.1 | 1.5 |
| alpha-BHC | 1 | J | 1 | J | LF-LB-13 | 1 / 13 | 1 - 5.1 | 1.6 |
| alpha-Chlordane | 0.63 | J | 29 | J | LF-LB-25 | 12 / 13 | 5.1 | 7.5 |
| Aroclor-1016 | | | | | | 0 / 13 | 9.9 - 50 | 15 |
| Aroclor-1221 | | | | | | 0 / 13 | 20 - 100 | 30 |
| Aroclor-1232 | | | | | | 0 / 13 | 9.9 - 50 | 15 |
| Aroclor-1242 | | | | | | 0 / 13 | 9.9 - 50 | 15 |
| Aroclor-1248 | | | | | | 0 / 13 | 9.9 - 50 | 15 |
| Aroclor-1254 | 72 | J | 250 | J | LF-LB-25 | 5 / 13 | 9.9 - 50 | 55 |
| Aroclor-1260 | 25 | | 520 | J | LF-LB-25 | 13 / 13 | N/A | 140 |
| beta-BHC | | | | | | 0 / 13 | 1 - 5.1 | 1.5 |
| delta-BHC | | | | | | 0 / 13 | 1 - 5.1 | 1.5 |
| Dieldrin | 2.8 | J | 2.8 | J | LF-LB-12 | 1 / 13 | 2 - 10 | 3.0 |
| Endosulfan I | 2.8 | J | 5.5 | J | LF-LB-25 | 2 / 13 | 1 - 5.1 | 1.9 |
| Endosulfan II | 4 | J | 13 | J | LF-LB-25 | 7 / 13 | 2 - 10 | 5.1 |
| Endosulfan sulfate | 1.2 | J | 1.2 | J | LF-LB-13 | 1 / 13 | 2 - 10 | 3.0 |
| Endrin | | | | | | 0 / 13 | 2 - 10 | 3.0 |
| Endrin aldehyde | 2.6 | J | 18 | J | LF-LB-25 | 2 / 13 | 2 - 10 | 4.1 |
| Endrin ketone | 1.2 | J | 6.4 | J | LF-LB-25 | 3 / 13 | 2 - 10 | 3.1 |
| gamma-BHC (lindane) | | | | | | 0 / 13 | 1 - 5.1 | 1.5 |
| gamma-Chlordane | 0.62 | J | 16 | J | LF-LB-25 | 8 / 13 | 1 - 5.1 | 4.8 |
| Heptachlor | | | | | | 0 / 13 | 1 - 5.1 | 1.5 |
| Heptachlor epoxide | 0.81 | J | 8.6 | J | LF-LB-25 | 10 / 13 | 1 - 5.1 | 2.6 |
| Methoxychlor | | | | | | 0 / 13 | 10 - 51 | 15 |
| Toxaphene | | | | | | 0 / 13 | 100 - 510 | 152 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6.8 | J | 21.8 | J | LF-LB-24 | 4 / 13 | 1.7 - 3.4 | 5.1 |
| Antimony | 0.18 | | 0.18 | | LF-LB-26 | 1 / 12 | 0.078 - 0.11 | 0.062 |
| Arsenic | | | | | | 0 / 13 | 0.074 - 0.11 | 0.048 |
| Barium | 0.48 | | 1.1 | | LF-LB-23 | 4 / 13 | 0.22 - 1.4 | 0.4 |
| Beryllium | | | | | | 0 / 13 | 0.0074 - 0.013 | 0.0052 |
| Cadmium | 0.014 | J | 0.56 | | LF-LB-25 | 9 / 13 | 0.014 - 0.015 | 0.065 |
| Calcium | | | | | | 0 / 13 | 1270 - 13100 | 2605 |
| Chromium | 0.086 | J | 0.3 | J | LF-LB-12 | 5 / 13 | 0.085 - 0.26 | 0.12 |
| Cobalt | 0.053 | J | 0.087 | J | LF-LB-24 | 4 / 13 | 0.035 - 0.05 | 0.039 |
| Copper | 0.36 | | 0.92 | | LF-LB-12 | 7 / 13 | 0.35 - 0.56 | 0.49 |
| Cyanide | | | | | | 0 / 13 | 0.4 - 0.57 | 0.24 |
| Iron | 16.4 | J | 63 | J | LF-LB-12 | 13 / 13 | N/A | 35 |
| Lead | 0.19 | J | 0.42 | J | LF-LB-24 | 4 / 13 | 0.053 - 0.32 | 0.15 |
| Magnesium | | | | | | 0 / 13 | 198 - 445 | 141 |
| Manganese | | | | | | 0 / 13 | 1.5 - 14.5 | 2.6 |
| Mercury | 0.11 | | 0.59 | J | LF-LB-19 | 5 / 13 | 0.014 - 0.19 | 0.15 |
| Nickel | | | | | | 0 / 13 | 0.035 - 0.19 | 0.030 |
| Potassium | 2600 | J | 3450 | J | LF-LB-22 | 13 / 13 | N/A | 3007 |
| Selenium | 0.55 | J | 1 | J | LF-LB-22 | 13 / 13 | N/A | 0.74 |
| Silver | | | | | | 0 / 13 | 0.028 - 0.04 | 0.018 |
| Sodium | | | | | | 0 / 13 | 742 - 1070 | 446 |
| Thallium | | | | | | 0 / 13 | 0.11 - 0.15 | 0.069 |
| Vanadium | | | | | | 0 / 13 | 0.056 - 0.62 | 0.092 |
| Zinc | 17.5 | | 36.3 | | LF-LB-12 | 13 / 13 | N/A | 24 |
| PERCENT LIPIDS | 1.9 | | 17.8 | | LF-LB-17 | 13 / 13 | N/A | 7.0 |
| % MOISTURE | 56.2 | | 76.9 | | LF-LB-23 | 13 / 13 | N/A | 70 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-211**
**LARGE FISH WHOLE BODY DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LB-11 | LF-LB-12 | LF-LB-13 | LF-LB-17 | LF-LB-18 | LF-LB-19 | LF-LB-20 | LF-LB-21 |
|---|---|---|---|---|---|---|---|---|
| Reach | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Species | eel | eel | eel | eel | eel | eel | eel | eel |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 5.3 | 12 | 29 | 13 | 4.3 | 9.4 | 15 | 9.3 J |
| 4,4'-DDE | 28 | 37 | 140 | 43 | 16 | 130 J | 160 J | 49 |
| 4,4'-DDT | 2.6 J | 3.1 J | 7.7 J | 6.5 U | 2 U | 4 J | 7.5 J | 9.9 U |
| alpha-BHC | 1.5 U | 2.6 U | 1 J | 3.4 U | 1 U | 1 U | 1 U | 5.1 U |
| alpha-Chlordane | 1.4 J | 3.1 | 2.4 J | 4.6 | 0.63 J | 1.5 J | 2 J | 5.1 U |
| Aroclor-1254 | 15 U | 25 U | 9.9 U | 33 U | 10 U | 10 U | 9.9 U | 50 U |
| Aroclor-1260 | 51 | 62 | 180 | 58 J | 25 | 190 | 220 | 84 |
| Dieldrin | 3 U | 2.8 J | 2 U | 6.5 U | 2 U | 2 U | 2 U | 9.9 U |
| Endosulfan I | 1.5 U | 2.6 U | 1 U | 3.4 U | 1 U | 1 U | 1 U | 5.1 U |
| Endosulfan II | 3 U | 4.2 J | 5.9 J | 4 J | 2 U | 4.6 J | 5.5 J | 9.9 U |
| Endosulfan sulfate | 3 U | 5 U | 1.2 J | 6.5 U | 2 U | 2 U | 2 U | 9.9 U |
| Endrin aldehyde | 2.6 J | 5 U | 2 U | 6.5 U | 2 U | 2 U | 2 U | 9.9 U |
| Endrin ketone | 3 U | 5 U | 1.2 J | 6.5 U | 2 U | 2 U | 2 U | 9.9 U |
| gamma-Chlordane | 1.5 U | 2.6 U | 0.71 J | 1.8 J | 1 U | 1 U | 0.62 J | 5.1 U |
| Heptachlor epoxide | 0.81 J | 2 J | 1.5 J | 2 J | 1 U | 1 J | 1.1 J | 5.1 U |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 3.2 UJ | 3.4 UJ | 2.6 UJ | 1.9 UJ | 2.3 UJ | 9.2 J | 1.8 UJ | 6.8 J |
| Antimony | 0.11 U | 0.11 U | 0.11 U | 0.089 U | 0.11 U | 0.099 U | 0.078 U | 0.1 U |
| Barium | 0.43 U | 0.39 U | 0.84 U | 0.27 U | 0.65 U | 0.77 U | 0.51 U | 0.22 U |
| Cadmium | 0.056 | 0.047 | 0.062 | 0.016 | 0.015 U | 0.014 U | 0.016 | 0.03 |
| Chromium | 0.086 J | 0.3 J | 0.14 J | 0.086 UJ | 0.14 UJ | 0.085 UJ | 0.11 UJ | 0.09 UJ |
| Cobalt | 0.05 UJ | 0.05 UJ | 0.049 UJ | 0.04 UJ | 0.049 UJ | 0.045 UJ | 0.035 UJ | 0.048 UJ |
| Copper | 0.72 | 0.92 | 0.36 | 0.54 U | 0.43 U | 0.54 U | 0.35 U | 0.56 U |
| Iron | 40.4 J | 63 J | 36.6 J | 28.5 J | 22.3 J | 59.7 J | 16.4 J | 27 J |
| Lead | 0.17 UJ | 0.32 UJ | 0.28 UJ | 0.068 UJ | 0.095 UJ | 0.2 UJ | 0.053 UJ | 0.13 UJ |
| Mercury | 0.13 | 0.11 | 0.26 | 0.15 UJ | 0.12 UJ | 0.59 J | 0.55 J | 0.19 UJ |
| Potassium | 3140 J | 2600 J | 2850 J | 2650 J | 3340 J | 3190 J | 3080 J | 2970 J |
| Selenium | 0.81 J | 0.78 J | 0.9 J | 0.8 J | 0.77 J | 0.79 J | 0.67 J | 0.72 J |
| Zinc | 25.8 | 36.3 | 23.6 | 27.6 | 24.5 | 25.9 | 22.4 | 27.2 |
| PERCENT LIPIDS | 3.7 | 12 | 9 | 17.8 | 3.8 | 6.3 | 5.6 | 9.5 |
| % MOISTURE | 75 | 56.2 | 67.4 | 57.9 | 75.1 | 67.6 | 72.4 | 69.8 |

**TABLE 2-211**
**LARGE FISH WHOLE BODY DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter<br>Reach<br>Species | LF-LB-22<br>Horn Pond<br>white sucker | LF-LB-23<br>Horn Pond<br>white sucker | LF-LB-24<br>Horn Pond<br>white sucker | LF-LB-25<br>Horn Pond<br>white sucker | LF-LB-26<br>Horn Pond<br>white sucker |
|---|---|---|---|---|---|
| SVOCs (ug/Kg) | | | | | |
| No Detections | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | |
| 4,4'-DDD | 37 | 40 | 30 | 150 J | 64 |
| 4,4'-DDE | 56 | 36 | 32 | 280 J | 110 J |
| 4,4'-DDT | 10 U | 9.8 U | 9.9 U | 13 J | 15 J |
| alpha-BHC | 5.1 U | 5 U | 5.1 U | 5 U | 2.6 U |
| alpha-Chlordane | 9.7 J | 11 | 10 | 29 J | 20 J |
| Aroclor-1254 | 100 J | 89 J | 72 J | 250 J | 120 J |
| Aroclor-1260 | 98 | 76 | 55 | 520 J | 200 |
| Dieldrin | 10 U | 9.8 U | 9.9 U | 9.8 U | 5 U |
| Endosulfan I | 5.1 U | 5 U | 5.1 U | 5.5 J | 2.8 J |
| Endosulfan II | 10 U | 9.8 U | 9.9 U | 13 J | 6.4 J |
| Endosulfan sulfate | 10 U | 9.8 U | 9.9 U | 9.8 U | 5 U |
| Endrin aldehyde | 10 U | 9.8 U | 9.9 U | 18 J | 5 U |
| Endrin ketone | 10 U | 9.8 U | 9.9 U | 6.4 J | 3 J |
| gamma-Chlordane | 7.4 | 9.7 | 8 | 16 J | 13 |
| Heptachlor epoxide | 5.1 U | 2.8 J | 2.7 J | 8.6 J | 5.5 J |
| Metals (mg/Kg) | | | | | |
| Aluminum | 1.7 UJ | 17 J | 21.8 J | 2.4 UJ | 3.4 UJ |
| Antimony | 0.1 U | R | 0.1 U | 0.11 U | 0.18 |
| Barium | 1.4 U | 1.1 | 0.64 | 0.73 | 0.48 |
| Cadmium | 0.014 UJ | 0.014 J | 0.014 U | 0.56 | 0.017 |
| Chromium | 0.26 UJ | 0.3 J | 0.22 J | 0.16 UJ | 0.12 UJ |
| Cobalt | 0.046 UJ | 0.08 J | 0.087 J | 0.082 J | 0.053 J |
| Copper | 0.5 UJ | 0.84 J | 0.69 | 0.75 | 0.62 |
| Iron | 16.7 J | 40.1 | 44.5 | 34.2 | 21 |
| Lead | 0.068 UJ | 0.4 J | 0.42 J | 0.19 J | 0.21 J |
| Mercury | 0.016 UJ | 0.014 UJ | 0.021 UJ | 0.064 UJ | 0.079 UJ |
| Potassium | 3450 J | 3160 | 3130 | 2830 | 2700 |
| Selenium | 1 J | 0.72 J | 0.58 J | 0.55 J | 0.55 J |
| Zinc | 19.6 J | 21.6 J | 17.5 | 18.7 | 19.2 |
| PERCENT LIPIDS | 1.9 | 2.4 | 3.8 | 9.1 | 6.2 |
| % MOISTURE | 75.9 | 76.9 | 75.9 | 68.6 | 73.3 |

# TABLE 2-212
## LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REACH 2
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 28 | J | 28 | J | LF-RV-16 | 1 / 1 | N/A | 28 |
| 4,4'-DDE | 44 | J | 44 | J | LF-RV-16 | 1 / 1 | N/A | 44 |
| 4,4'-DDT | 6.9 | J | 6.9 | J | LF-RV-16 | 1 / 1 | N/A | 6.9 |
| Aldrin | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| alpha-Chlordane | 18 | J | 18 | J | LF-RV-16 | 1 / 1 | N/A | 18 |
| Aroclor-1016 | | | | | | 0 / 1 | 25 | 13 |
| Aroclor-1221 | | | | | | 0 / 1 | 49 | 25 |
| Aroclor-1232 | | | | | | 0 / 1 | 25 | 13 |
| Aroclor-1242 | | | | | | 0 / 1 | 25 | 13 |
| Aroclor-1248 | | | | | | 0 / 1 | 25 | 13 |
| Aroclor-1254 | 96 | J | 96 | J | LF-RV-16 | 1 / 1 | N/A | 96 |
| Aroclor-1260 | 120 | J | 120 | J | LF-RV-16 | 1 / 1 | N/A | 120 |
| beta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| delta-BHC | | | | | | 0 / 1 | 2.5 | 1.3 |
| Dieldrin | 15 | J | 15 | J | LF-RV-16 | 1 / 1 | N/A | 15 |
| Endosulfan I | | | | | | 0 / 1 | 2.5 | 1.3 |
| Endosulfan II | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endosulfan sulfate | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin aldehyde | | | | | | 0 / 1 | 4.9 | 2.5 |
| Endrin ketone | | | | | | 0 / 1 | 4.9 | 2.5 |
| gamma-BHC (lindane) | | | | | | 0 / 1 | 2.5 | 1.3 |
| gamma-Chlordane | 11 | J | 11 | J | LF-RV-16 | 1 / 1 | N/A | 11 |
| Heptachlor | | | | | | 0 / 1 | 2.5 | 1.3 |
| Heptachlor epoxide | 1.4 | J | 1.4 | J | LF-RV-16 | 1 / 1 | N/A | 1.4 |
| Methoxychlor | | | | | | 0 / 1 | 25 | 13 |
| Toxaphene | | | | | | 0 / 1 | 250 | 125 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | | | | | | 0 / 1 | 4.1 | 2.1 |
| Antimony | | | | | | 0 / 1 | 0.11 | 0.055 |
| Arsenic | | | | | | 0 / 1 | 0.1 | 0.050 |
| Barium | | | | | | 0 / 1 | 0.92 | 0.46 |
| Beryllium | | | | | | 0 / 1 | 0.013 | 0.0065 |
| Cadmium | 0.048 | J | 0.048 | J | LF-RV-16 | 1 / 1 | N/A | 0.048 |
| Calcium | | | | | | 0 / 1 | 16800 | 8400 |
| Chromium | 0.28 | J | 0.28 | J | LF-RV-16 | 1 / 1 | N/A | 0.28 |
| Cobalt | | | | | | 0 / 1 | 0.049 | 0.025 |
| Copper | 0.79 | J | 0.79 | J | LF-RV-16 | 1 / 1 | N/A | 0.79 |
| Cyanide | | | | | | 0 / 1 | 0.68 | 0.34 |
| Iron | 26.5 | | 26.5 | | LF-RV-16 | 1 / 1 | N/A | 27 |
| Lead | 0.34 | J | 0.34 | J | LF-RV-16 | 1 / 1 | N/A | 0.34 |
| Magnesium | | | | | | 0 / 1 | 485 | 243 |
| Manganese | | | | | | 0 / 1 | 11.7 | 5.9 |
| Mercury | 0.063 | | 0.063 | | LF-RV-16 | 1 / 1 | N/A | 0.063 |
| Nickel | | | | | | 0 / 1 | 0.049 | 0.025 |
| Potassium | 3150 | | 3150 | | LF-RV-16 | 1 / 1 | N/A | 3150 |
| Selenium | 0.93 | J | 0.93 | J | LF-RV-16 | 1 / 1 | N/A | 0.93 |
| Silver | | | | | | 0 / 1 | 0.039 | 0.020 |
| Sodium | | | | | | 0 / 1 | 1040 | 520 |
| Thallium | | | | | | 0 / 1 | 0.15 | 0.075 |
| Zinc | 43.6 | J | 43.6 | J | LF-RV-16 | 1 / 1 | N/A | 44 |
| Zinc | 25.9 | J | 43.6 | J | LF-RV-16 | 7 / 7 | N/A | |
| PERCENT LIPIDS | 3.9 | | 3.9 | | LF-RV-16 | 1 / 1 | N/A | 3.9 |
| % MOISTURE | 74.3 | | 74.3 | | LF-RV-16 | 1 / 1 | N/A | 74 |

N/A = Not Applicable or Not Available
J = Estimated Value

# TABLE 2-213
## LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REACH 4
## WELLS G&H SUPERFUND SITE (OU3)

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 20 | | 50 | | LF-LK-17 | 5 / 5 | N/A | 31 |
| 4,4'-DDE | 24 | | 110 | | LF-LK-17 | 5 / 5 | N/A | 60 |
| 4,4'-DDT | 2.3 | J | 11 | | LF-LK-17 | 4 / 5 | 9.8 | 7.4 |
| Aldrin | 1.5 | J | 3 | | LF-LK-17 | 3 / 5 | 5 - 5.1 | 2.5 |
| alpha-BHC | | | | | | 0 / 5 | 1 - 5.1 | 1.9 |
| alpha-Chlordane | 16 | | 39 | | LF-LK-17 | 5 / 5 | N/A | 25 |
| Aroclor-1016 | | | | | | 0 / 5 | 10 - 50 | 18 |
| Aroclor-1221 | | | | | | 0 / 5 | 20 - 99 | 37 |
| Aroclor-1232 | | | | | | 0 / 5 | 10 - 50 | 18 |
| Aroclor-1242 | | | | | | 0 / 5 | 10 - 50 | 18 |
| Aroclor-1248 | | | | | | 0 / 5 | 10 - 50 | 18 |
| Aroclor-1254 | 88 | | 220 | | LF-LK-17 | 5 / 5 | N/A | 166 |
| Aroclor-1260 | 56 | | 260 | | LF-LK-16 | 5 / 5 | N/A | 170 |
| beta-BHC | 0.54 | J | 0.54 | J | LF-LK-17 | 1 / 5 | 2.5 - 5.1 | 1.9 |
| delta-BHC | | | | | | 0 / 5 | 1 - 5.1 | 1.9 |
| Dieldrin | 6.6 | | 12 | | LF-LK-17 | 5 / 5 | N/A | 8.7 |
| Endosulfan I | 2 | | 2 | | LF-LK-17 | 1 / 5 | 2.5 - 5.1 | 2.2 |
| Endosulfan II | | | | | | 0 / 5 | 4.9 - 9.8 | 4.0 |
| Endosulfan sulfate | 1.7 | J | 1.7 | J | LF-LK-17 | 1 / 5 | 4.9 - 9.8 | 3.8 |
| Endrin | 4.8 | J | 14 | | LF-LK-17 | 5 / 5 | N/A | 10 |
| Endrin aldehyde | 5.6 | J | 6.6 | | LF-LK-17 | 3 / 5 | 4.9 - 9.8 | 5.1 |
| Endrin ketone | 1.2 | J | 1.2 | J | LF-LK-17 | 1 / 5 | 4.9 - 9.8 | 3.7 |
| gamma-BHC (lindane) | | | | | | 0 / 5 | 1 - 5.1 | 1.9 |
| gamma-Chlordane | 9.2 | | 21 | | LF-LK-17 | 5 / 5 | N/A | 14 |
| Heptachlor | | | | | | 0 / 5 | 1 - 5.1 | 1.9 |
| Heptachlor epoxide | 2.1 | | 2.1 | | LF-LK-17 | 1 / 5 | 2.5 - 5.1 | 2.2 |
| Methoxychlor | | | | | | 0 / 5 | 10 - 51 | 19 |
| Toxaphene | | | | | | 0 / 5 | 100 - 510 | 186 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3.4 | J | 13.1 | J | LF-LK-15 | 5 / 5 | N/A | 7.6 |
| Antimony | | | | | | 0 / 5 | 0.077 - 0.097 | 0.045 |
| Arsenic | | | | | | 0 / 5 | 0.074 - 0.15 | 0.052 |
| Barium | | | | | | 0 / 5 | 0.49 - 1.1 | 0.39 |
| Beryllium | | | | | | 0 / 5 | 0.0095 - 0.012 | 0.0056 |
| Cadmium | 0.011 | J | 0.022 | | LF-LK-16 | 4 / 5 | 0.013 | 0.015 |
| Calcium | | | | | | 0 / 5 | 6090 - 10500 | 3992 |
| Chromium | 0.17 | J | 0.39 | J | LF-LK-15 | 5 / 5 | N/A | 0.26 |
| Cobalt | 0.043 | J | 0.043 | J | LF-LK-16 | 1 / 5 | 0.035 - 0.044 | 0.025 |
| Copper | 0.56 | | 1 | | LF-LK-15 | 5 / 5 | N/A | 0.80 |
| Cyanide | | | | | | 0 / 5 | 0.48 - 0.59 | 0.27 |
| Iron | 43 | J | 62.6 | J | LF-LK-16 | 5 / 5 | N/A | 52 |
| Lead | 0.12 | J | 0.3 | J | LF-LK-16 | 5 / 5 | N/A | 0.19 |
| Magnesium | | | | | | 0 / 5 | 301 - 390 | 174 |
| Manganese | | | | | | 0 / 5 | 3.2 - 7.1 | 2.3 |
| Mercury | 0.025 | J | 0.12 | J | LF-LK-16 | 4 / 5 | 0.01 | 0.041 |
| Nickel | | | | | | 0 / 5 | 0.035 - 0.044 | 0.020 |
| Potassium | 2820 | J | 3180 | J | LF-LK-17 | 5 / 5 | N/A | 3060 |
| Selenium | 0.65 | J | 0.76 | J | LF-LK-18 | 5 / 5 | N/A | 0.70 |
| Silver | | | | | | 0 / 5 | 0.028 - 0.035 | 0.016 |
| Sodium | | | | | | 0 / 5 | 816 - 1090 | 471 |
| Thallium | | | | | | 0 / 5 | 0.11 - 0.13 | 0.061 |
| Vanadium | | | | | | 0 / 4 | 0.045 - 0.1 | 0.036 |
| Zinc | 18.6 | | 23.1 | | LF-LK-15 | 5 / 5 | N/A | 21 |
| PERCENT LIPIDS | 2.5 | | 4.4 | | LF-LK-17 | 5 / 5 | N/A | 3.2 |
| % MOISTURE | 71 | | 76.8 | | LF-LK-16 | 5 / 5 | N/A | 74 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-214**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REACH 5**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 19 | | 36 | | LF-RV-11 | 4 / 4 | N/A | 28 |
| 4,4'-DDE | 20 | | 41 | | LF-RV-11 | 4 / 4 | N/A | 34 |
| 4,4'-DDT | 3.3 | J | 7.3 | | LF-RV-12 | 4 / 4 | N/A | 5.7 |
| Aldrin | 1.5 | J | 3.1 | | LF-RV-11 | 3 / 4 | 5 | 2.5 |
| alpha-BHC | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| alpha-Chlordane | 19 | J | 38 | | LF-RV-11 | 4 / 4 | N/A | 28 |
| Aroclor-1016 | | | | | | 0 / 4 | 25 - 49 | 16 |
| Aroclor-1221 | | | | | | 0 / 4 | 50 - 99 | 31 |
| Aroclor-1232 | | | | | | 0 / 4 | 25 - 49 | 16 |
| Aroclor-1242 | | | | | | 0 / 4 | 25 - 49 | 16 |
| Aroclor-1248 | | | | | | 0 / 4 | 25 - 49 | 16 |
| Aroclor-1254 | 75 | | 140 | | LF-RV-11 | 4 / 4 | N/A | 107 |
| Aroclor-1260 | 33 | | 68 | J | LF-RV-08 | 4 / 4 | N/A | 56 |
| beta-BHC | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| delta-BHC | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| Dieldrin | 5.9 | J | 12 | | LF-RV-11 | 4 / 4 | N/A | 8.3 |
| Endosulfan I | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| Endosulfan II | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| Endosulfan sulfate | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| Endrin | 3.5 | J | 5.6 | J | LF-RV-08 | 2 / 4 | 5 - 6.9 | 3.8 |
| Endrin aldehyde | 2.9 | J | 3 | J | LF-RV-11 | 2 / 4 | 4.9 - 9.8 | 3.3 |
| Endrin ketone | | | | | | 0 / 4 | 4.9 - 9.8 | 3.1 |
| gamma-BHC (lindane) | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| gamma-Chlordane | 12 | | 23 | | LF-RV-11 | 4 / 4 | N/A | 18 |
| Heptachlor | | | | | | 0 / 4 | 2.5 - 5 | 1.6 |
| Heptachlor epoxide | 1.6 | J | 1.9 | J | LF-RV-11 | 2 / 4 | 2.5 - 5 | 1.8 |
| Methoxychlor | | | | | | 0 / 4 | 25 - 50 | 16 |
| Toxaphene | | | | | | 0 / 4 | 250 - 500 | 159 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4.6 | J | 10.1 | J | LF-RV-08 | 4 / 4 | N/A | 6.2 |
| Antimony | | | | | | 0 / 4 | 0.089 - 0.1 | 0.048 |
| Arsenic | | | | | | 0 / 4 | 0.11 - 0.23 | 0.084 |
| Barium | | | | | | 0 / 4 | 0.77 - 0.91 | 0.42 |
| Beryllium | | | | | | 0 / 4 | 0.011 - 0.012 | 0.0058 |
| Cadmium | 0.018 | | 0.025 | J | LF-RV-09 | 4 / 4 | N/A | 0.020 |
| Calcium | | | | | | 0 / 4 | 9590 - 14900 | 6449 |
| Chromium | 0.23 | J | 0.33 | J | LF-RV-08 | 4 / 4 | N/A | 0.27 |
| Cobalt | 0.043 | J | 0.064 | J | LF-RV-11 | 4 / 4 | N/A | 0.052 |
| Copper | 1 | J | 1.1 | J | LF-RV-08 | 4 / 4 | N/A | 1.1 |
| Cyanide | | | | | | 0 / 4 | 0.42 - 0.49 | 0.22 |
| Iron | 30.9 | J | 39.3 | J | LF-RV-08 | 3 / 4 | 25.6 | 29 |
| Lead | | | | | | 0 / 4 | 0.063 - 0.13 | 0.041 |
| Magnesium | | | | | | 0 / 4 | 363 - 470 | 216 |
| Manganese | | | | | | 0 / 4 | 13.9 - 24.9 | 8.9 |
| Mercury | 0.023 | J | 0.033 | J | LF-RV-12 | 4 / 4 | N/A | 0.026 |
| Nickel | | | | | | 0 / 4 | 0.042 - 0.046 | 0.022 |
| Potassium | 3090 | J | 3640 | J | LF-RV-09 | 4 / 4 | N/A | 3313 |
| Selenium | 0.55 | J | 0.82 | J | LF-RV-09 | 4 / 4 | N/A | 0.65 |
| Silver | | | | | | 0 / 4 | 0.033 - 0.037 | 0.017 |
| Sodium | | | | | | 0 / 4 | 963 - 1040 | 495 |
| Thallium | | | | | | 0 / 4 | 0.12 - 0.14 | 0.066 |
| Vanadium | | | | | | 0 / 2 | 0.05 - 0.23 | 0.070 |
| Zinc | 21.9 | J | 26 | J | LF-RV-12 | 4 / 4 | N/A | 24 |
| PERCENT LIPIDS | 2 | | 4.4 | | LF-RV-11 | 4 / 4 | N/A | 3.1 |
| % MOISTURE | 74.9 | | 76.9 | | LF-RV-08 | 4 / 4 | N/A | 76 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-215**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,2-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,3-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,4-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dichlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dimethylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dinitrophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2,4-Dinitrotoluene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,6-Dinitrotoluene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Chloronaphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Chlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Methylnaphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2-Nitrophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 3-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chloroaniline | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4-Nitrophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| Acenaphthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Acenaphthylene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(a)anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(a)pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(b)fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(g,h,i)perylene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(k)fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Butylbenzylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Carbazole | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Chrysene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dibenz(a,h)anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dibenzofuran | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Diethylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dimethylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Di-n-butylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Di-n-octylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Fluorene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorobutadiene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorocyclopentadiene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachloroethane | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Isophorone | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Naphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Nitrobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| N-nitrosodiphenylamine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Pentachlorophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| Phenanthrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Phenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |

**TABLE 2-215**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - REACH 6**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 50 | | 360 | | LF-LK-31 | 5 / 5 | N/A | 167 |
| 4,4'-DDE | 130 | | 820 | | LF-LK-31 | 5 / 5 | N/A | 350 |
| 4,4'-DDT | 5 | J | 68 | J | LF-LK-31 | 5 / 5 | N/A | 26 |
| Aldrin | 0.68 | J | 1.5 | J | LF-LK-35 | 2 / 5 | 1 - 7.5 | 1.4 |
| alpha-BHC | | | | | | 0 / 5 | 1 - 7.5 | 1.3 |
| alpha-Chlordane | 18 | J | 110 | J | LF-LK-31 | 5 / 5 | N/A | 53 |
| Aroclor-1016 | | | | | | 0 / 5 | 9.9 - 74 | 13 |
| Aroclor-1221 | | | | | | 0 / 5 | 20 - 74 | 18 |
| Aroclor-1232 | | | | | | 0 / 5 | 9.9 - 74 | 13 |
| Aroclor-1242 | | | | | | 0 / 5 | 9.9 - 74 | 13 |
| Aroclor-1248 | | | | | | 0 / 5 | 9.9 - 74 | 13 |
| Aroclor-1254 | 69 | J | 260 | | LF-LK-34 | 4 / 5 | 74 | 151 |
| Aroclor-1260 | 210 | | 1100 | | LF-LK-31 | 5 / 5 | N/A | 530 |
| beta-BHC | 0.6 | J | 1 | J | LF-LK-34 | 2 / 5 | 1 - 7.5 | 1.4 |
| delta-BHC | 0.47 | J | 0.47 | J | LF-LK-33 | 1 / 5 | 1 - 7.5 | 1.3 |
| Dieldrin | 17 | J | 59 | J | LF-LK-31 | 4 / 5 | 2 | 26 |
| Endosulfan I | | | | | | 0 / 5 | 1 - 7.5 | 1.3 |
| Endosulfan II | 7.1 | J | 17 | J | LF-LK-35 | 4 / 5 | 15 | 11 |
| Endosulfan sulfate | 1.3 | J | 8.8 | J | LF-LK-31 | 4 / 5 | 2 | 4.1 |
| Endrin | 1.2 | J | 32 | J | LF-LK-31 | 3 / 5 | 2 - 4.9 | 7.9 |
| Endrin aldehyde | 8 | J | 23 | J | LF-LK-31 | 2 / 5 | 2 - 4.9 | 7.1 |
| Endrin ketone | 1.5 | J | 6.6 | J | LF-LK-34 | 4 / 5 | 15 | 4.7 |
| gamma-BHC (lindane) | | | | | | 0 / 5 | 1 - 7.5 | 1.3 |
| gamma-Chlordane | 7.9 | | 26 | J | LF-LK-31 | 5 / 5 | N/A | 17 |
| Heptachlor | | | | | | 0 / 5 | 1 - 7.5 | 1.3 |
| Heptachlor epoxide | 4.4 | J | 10 | J | LF-LK-31 | 5 / 5 | N/A | 7.9 |
| Methoxychlor | | | | | | 0 / 5 | 10 - 75 | 13 |
| Toxaphene | | | | | | 0 / 5 | 100 - 750 | 130 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3.9 | J | 3.9 | J | LF-LK-32 | 1 / 5 | 1 - 3 | 1.6 |
| Antimony | | | | | | 0 / 5 | 0.084 - 0.12 | 0.051 |
| Arsenic | | | | | | 0 / 5 | 0.08 - 0.1 | 0.047 |
| Barium | | | | | | 0 / 5 | 0.16 - 0.98 | 0.21 |
| Beryllium | | | | | | 0 / 5 | 0.0034 - 0.013 | 0.0050 |
| Cadmium | 0.015 | | 0.054 | | LF-LK-33 | 3 / 5 | 0.014 - 0.015 | 0.021 |
| Calcium | | | | | | 0 / 5 | 1570 - 10600 | 2238 |
| Chromium | 0.1 | J | 0.1 | J | LF-LK-31 | 1 / 5 | 0.073 - 0.22 | 0.083 |
| Cobalt | | | | | | 0 / 5 | 0.038 - 0.05 | 0.022 |
| Copper | 0.5 | | 0.62 | | LF-LK-35 | 3 / 5 | 0.3 - 0.43 | 0.42 |
| Cyanide | | | | | | 0 / 5 | 0.42 - 0.6 | 0.25 |
| Iron | 20.4 | J | 27.9 | J | LF-LK-35 | 5 / 5 | N/A | 24 |
| Lead | 0.1 | J | 1 | J | LF-LK-34 | 2 / 5 | 0.063 - 0.29 | 0.26 |
| Magnesium | | | | | | 0 / 5 | 197 - 350 | 128 |
| Manganese | | | | | | 0 / 5 | 1.6 - 7 | 2.2 |
| Mercury | 0.13 | J | 0.13 | J | LF-LK-31 | 1 / 5 | 0.0099 - 0.093 | 0.050 |
| Nickel | | | | | | 0 / 5 | 0.045 - 0.078 | 0.029 |
| Potassium | 1320 | J | 3140 | J | LF-LK-35 | 5 / 5 | N/A | 2078 |
| Selenium | 0.69 | J | 0.93 | J | LF-LK-32 | 5 / 5 | N/A | 0.82 |
| Silver | | | | | | 0 / 5 | 0.031 - 0.073 | 0.022 |
| Sodium | | | | | | 0 / 5 | 444 - 997 | 317 |
| Thallium | | | | | | 0 / 5 | 0.11 - 0.17 | 0.071 |
| Vanadium | | | | | | 0 / 5 | 0.05 - 0.088 | 0.034 |
| Zinc | 21.7 | | 34.4 | | LF-LK-31 | 5 / 5 | N/A | 28 |
| PERCENT LIPIDS | 2.8 | | 13.8 | | LF-LK-31 | 5 / 5 | N/A | 8.1 |
| % MOISTURE | 59.5 | | 74.9 | | LF-LK-35 | 5 / 5 | N/A | 70 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-216**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,2-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,3-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 1,4-Dichlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dichlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dimethylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,4-Dinitrophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2,4-Dinitrotoluene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2,6-Dinitrotoluene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Chloronaphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Chlorophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Methylnaphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 2-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 2-Nitrophenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 3-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chloroaniline | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Methylphenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| 4-Nitroaniline | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| 4-Nitrophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| Acenaphthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Acenaphthylene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(a)anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(a)pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(b)fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(g,h,i)perylene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Benzo(k)fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Butylbenzylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Carbazole | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Chrysene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dibenz(a,h)anthracene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dibenzofuran | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Diethylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Dimethylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Di-n-butylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Di-n-octylphthalate | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Fluoranthene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Fluorene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorobutadiene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachlorocyclopentadiene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Hexachloroethane | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Isophorone | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Naphthalene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Nitrobenzene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| N-nitrosodiphenylamine | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Pentachlorophenol | | | | | | 0 / 5 | 5300 - 16000 | 4510 |
| Phenanthrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Phenol | | | | | | 0 / 5 | 2200 - 6600 | 1870 |
| Pyrene | | | | | | 0 / 5 | 2200 - 6600 | 1870 |

**TABLE 2-216**
**LARGE FISH WHOLE BODY TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 19 | | 360 | | LF-LK-31 | 15 / 15 | N/A | 75 |
| 4,4'-DDE | 20 | | 820 | | LF-LK-31 | 15 / 15 | N/A | 148 |
| 4,4'-DDT | 2.3 | J | 68 | J | LF-LK-31 | 14 / 15 | 9.8 | 13 |
| Aldrin | 0.68 | J | 3.1 | | LF-RV-11 | 8 / 15 | 1 - 7.5 | 2.0 |
| alpha-BHC | | | | | | 0 / 15 | 1 - 7.5 | 1.6 |
| alpha-Chlordane | 16 | | 110 | J | LF-LK-31 | 15 / 15 | N/A | 35 |
| Aroclor-1016 | | | | | | 0 / 15 | 9.9 - 74 | 15 |
| Aroclor-1221 | | | | | | 0 / 15 | 20 - 99 | 28 |
| Aroclor-1232 | | | | | | 0 / 15 | 9.9 - 74 | 15 |
| Aroclor-1242 | | | | | | 0 / 15 | 9.9 - 74 | 15 |
| Aroclor-1248 | | | | | | 0 / 15 | 9.9 - 74 | 15 |
| Aroclor-1254 | 69 | J | 260 | | LF-LK-34 | 14 / 15 | 74 | 140 |
| Aroclor-1260 | 33 | | 1100 | | LF-LK-31 | 15 / 15 | N/A | 256 |
| beta-BHC | 0.54 | J | 1 | J | LF-LK-34 | 3 / 15 | 1 - 7.5 | 1.6 |
| delta-BHC | 0.47 | J | 0.47 | J | LF-LK-33 | 1 / 15 | 1 - 7.5 | 1.6 |
| Dieldrin | 5.9 | J | 59 | J | LF-LK-31 | 14 / 15 | 2 | 15 |
| Endosulfan I | 2 | | 2 | | LF-LK-17 | 1 / 15 | 1 - 7.5 | 1.7 |
| Endosulfan II | 7.1 | J | 17 | J | LF-LK-35 | 4 / 15 | 4.9 - 15 | 5.9 |
| Endosulfan sulfate | 1.3 | J | 8.8 | J | LF-LK-31 | 5 / 15 | 2 - 9.8 | 3.6 |
| Endrin | 1.2 | J | 32 | J | LF-LK-31 | 10 / 15 | 2 - 6.9 | 7.3 |
| Endrin aldehyde | 2.9 | J | 23 | J | LF-LK-31 | 7 / 15 | 2 - 9.8 | 5.1 |
| Endrin ketone | 1.2 | J | 6.6 | J | LF-LK-34 | 5 / 15 | 4.9 - 15 | 3.8 |
| gamma-BHC (lindane) | | | | | | 0 / 15 | 1 - 7.5 | 1.6 |
| gamma-Chlordane | 7.9 | | 26 | J | LF-LK-31 | 15 / 15 | N/A | 16 |
| Heptachlor | | | | | | 0 / 15 | 1 - 7.5 | 1.6 |
| Heptachlor epoxide | 1.4 | J | 10 | J | LF-LK-31 | 9 / 15 | 2.5 - 5.1 | 3.9 |
| Methoxychlor | | | | | | 0 / 15 | 10 - 75 | 16 |
| Toxaphene | | | | | | 0 / 15 | 100 - 750 | 156 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3.4 | J | 13.1 | J | LF-LK-15 | 10 / 15 | 1 - 4.1 | 4.8 |
| Antimony | | | | | | 0 / 15 | 0.077 - 0.12 | 0.049 |
| Arsenic | | | | | | 0 / 15 | 0.074 - 0.23 | 0.059 |
| Barium | | | | | | 0 / 15 | 0.16 - 1.1 | 0.34 |
| Beryllium | | | | | | 0 / 15 | 0.0034 - 0.013 | 0.0055 |
| Cadmium | 0.011 | J | 0.054 | | LF-LK-33 | 12 / 15 | 0.013 - 0.015 | 0.021 |
| Calcium | | | | | | 0 / 15 | 1570 - 16800 | 4356 |
| Chromium | 0.1 | J | 0.39 | J | LF-LK-15 | 11 / 15 | 0.073 - 0.22 | 0.20 |
| Cobalt | 0.043 | J | 0.064 | J | LF-RV-11 | 5 / 15 | 0.035 - 0.05 | 0.031 |
| Copper | 0.5 | | 1.1 | J | LF-RV-08 | 13 / 15 | 0.3 - 0.43 | 0.74 |
| Cyanide | | | | | | 0 / 15 | 0.42 - 0.68 | 0.26 |
| Iron | 20.4 | J | 62.6 | J | LF-LK-16 | 14 / 15 | 25.6 | 35 |
| Lead | 0.1 | J | 1 | J | LF-LK-34 | 8 / 15 | 0.063 - 0.29 | 0.18 |
| Magnesium | | | | | | 0 / 15 | 197 - 485 | 174 |
| Manganese | | | | | | 0 / 15 | 1.6 - 24.9 | 4.3 |
| Mercury | 0.023 | J | 0.13 | J | LF-LK-31 | 10 / 15 | 0.0099 - 0.093 | 0.042 |
| Nickel | | | | | | 0 / 15 | 0.035 - 0.078 | 0.024 |
| Potassium | 1320 | J | 3640 | J | LF-RV-09 | 15 / 15 | N/A | 2806 |
| Selenium | 0.55 | J | 0.93 | J | LF-LK-32 | 15 / 15 | N/A | 0.74 |
| Silver | | | | | | 0 / 15 | 0.028 - 0.073 | 0.019 |
| Sodium | | | | | | 0 / 15 | 444 - 1090 | 429 |
| Thallium | | | | | | 0 / 15 | 0.11 - 0.17 | 0.067 |
| Vanadium | | | | | | 0 / 11 | 0.045 - 0.23 | 0.041 |
| Zinc | 18.6 | | 43.6 | J | LF-RV-16 | 15 / 15 | N/A | 26 |
| PERCENT LIPIDS | 2 | | 13.8 | | LF-LK-31 | 15 / 15 | N/A | 4.8 |
| % MOISTURE | 59.5 | | 76.9 | | LF-RV-08 | 15 / 15 | N/A | 73 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-217**
**LARGE FISH WHOLE BODY DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-15 | LF-LK-16 | LF-LK-17 | LF-LK-18 | LF-LK-19 | LF-LK-31 | LF-LK-32 | LF-LK-33 |
|---|---|---|---|---|---|---|---|---|
| Reach | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 |
| Species | white sucker | white sucker | white sucker | white sucker | white sucker | eel | eel | eel |
| SVOCs (ug/Kg) | | | | | | | | |
| No Detections | | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | | |
| 4,4'-DDD | 31 | 27 | 50 | 20 | 29 | 360 | 50 | 64 |
| 4,4'-DDE | 38 | 61 | 110 | 24 | 65 | 820 | 160 | 130 |
| 4,4'-DDT | 9.8 U | 9.1 J | 11 | 2.3 J | 9.6 J | 68 J | 12 J | 11 J |
| Aldrin | 2.7 J | 5.1 U | 3 | 1.5 J | 5 U | 7.5 U | 1 U | 1 U |
| alpha-Chlordane | 27 | 23 | 39 | 16 | 20 | 110 J | 18 J | 25 J |
| Aroclor-1254 | 140 | 180 | 220 | 88 | 200 | 74 U | 140 J | 69 J |
| Aroclor-1260 | 82 | 260 | 230 | 56 | 220 | 1100 | 270 | 210 |
| beta-BHC | 5 U | 5.1 U | 0.54 J | 2.5 U | 5 U | 7.5 U | 1 U | 0.6 J |
| delta-BHC | 5 U | 5.1 U | 1 U | 2.5 U | 5 U | 7.5 U | 1 U | 0.47 J |
| Dieldrin | 9.7 J | 7.7 J | 12 | 6.6 | 7.7 J | 59 J | 2 U | 17 J |
| Endosulfan I | 5 U | 5.1 U | 2 | 2.5 U | 5 U | 7.5 U | 1 U | 1 U |
| Endosulfan II | 9.8 U | 9.8 U | 5.3 U | 4.9 U | 9.8 U | 15 U | 12 J | 7.1 J |
| Endosulfan sulfate | 9.8 U | 9.8 U | 1.7 J | 4.9 U | 9.8 U | 8.8 J | 1.3 J | 2 U |
| Endrin | 6.9 J | 13 | 14 | 4.8 J | 13 J | 32 J | 1.2 J | 2 U |
| Endrin aldehyde | 9.8 U | 5.8 J | 6.6 | 4.9 U | 5.6 J | 23 J | 2 U | 8 J |
| Endrin ketone | 9.8 U | 9.8 U | 1.2 J | 4.9 U | 9.8 U | 15 U | 2.4 J | 1.5 J |
| gamma-Chlordane | 15 | 13 | 21 | 9.2 | 13 | 26 J | 7.9 | 7.9 |
| Heptachlor epoxide | 5 U | 5.1 U | 2.1 | 2.5 U | 5 U | 10 J | 4.4 J | 5.1 J |
| Metals (mg/Kg) | | | | | | | | |
| Aluminum | 13.1 J | 6.8 J | 7 J | 7.6 J | 3.4 J | 1 UJ | 3.9 J | 3 UJ |
| Cadmium | 0.018 | 0.022 | 0.011 J | 0.013 U | 0.019 | 0.022 | 0.015 | 0.054 |
| Chromium | 0.39 J | 0.2 J | 0.3 J | 0.23 J | 0.17 J | 0.1 J | 0.19 UJ | 0.073 UJ |
| Cobalt | 0.043 UJ | 0.043 J | 0.035 UJ | 0.044 UJ | 0.041 UJ | 0.039 UJ | 0.038 UJ | 0.046 UJ |
| Copper | 1 | 0.66 | 0.96 | 0.8 | 0.56 | 0.5 | 0.6 | 0.43 U |
| Iron | 61.3 J | 62.6 J | 46.1 J | 43 J | 45.5 J | 25.3 J | 24.8 J | 20.7 J |
| Lead | 0.25 J | 0.3 J | 0.14 J | 0.12 J | 0.14 J | 0.1 J | 0.063 UJ | 0.29 UJ |
| Mercury | 0.025 J | 0.12 J | 0.029 J | 0.028 J | 0.01 UJ | 0.13 J | 0.063 UJ | 0.072 UJ |
| Potassium | 3130 J | 2820 J | 3180 J | 3170 J | 3000 J | 2050 J | 1870 J | 2010 J |
| Selenium | 0.65 J | 0.65 J | 0.74 J | 0.76 J | 0.69 J | 0.69 J | 0.93 J | 0.83 J |
| Zinc | 23.1 | 22.5 | 22.8 J | 19.7 | 18.6 | 34.4 | 24.8 | 21.7 |
| PERCENT LIPIDS | 3 | 2.8 | 4.4 | 2.5 | 3.1 | 13.8 | 2.8 | 4.4 |
| % MOISTURE | 71.8 | 76.8 | 74.9 | 73.6 | 71 | 59.5 | 74.6 | 69.3 |

**TABLE 2-217**
**LARGE FISH WHOLE BODY DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | LF-LK-34 | LF-LK-35 | LF-RV-08 | LF-RV-09 | LF-RV-11 | LF-RV-12 | LF-RV-16 |
|---|---|---|---|---|---|---|---|
| Reach | 6 | 6 | 5 | 5 | 5 | 5 | 2 |
| Species | eel | eel | white sucker | white sucker | white sucker | white sucker | white sucker |
| SVOCs (ug/Kg) | | | | | | | |
| No Detections | | | | | | | |
| PCB/Pesticides (ug/Kg) | | | | | | | |
| 4,4'-DDD | 170 J | 190 J | 25 J | 19 | 36 | 32 | 28 J |
| 4,4'-DDE | 190 J | 450 J | 35 J | 20 | 41 | 39 | 44 J |
| 4,4'-DDT | 5 J | 33 J | 5.2 J | 3.3 J | 6.9 | 7.3 | 6.9 J |
| Aldrin | 0.68 J | 1.5 J | 5 U | 1.5 J | 3.1 | 2.8 | 2.5 U |
| alpha-Chlordane | 44 J | 69 J | 19 J | 20 | 38 | 35 | 18 J |
| Aroclor-1254 | 260 | 250 J | 92 J | 75 | 140 | 120 | 96 J |
| Aroclor-1260 | 450 J | 620 J | 68 J | 33 | 64 | 59 | 120 J |
| beta-BHC | 1 J | 2.5 U | 5 U | 2.5 U | 2.6 U | 2.6 U | 2.5 U |
| delta-BHC | 1 U | 2.5 U | 5 U | 2.5 U | 2.6 U | 2.6 U | 2.5 U |
| Dieldrin | 21 J | 34 J | 5.9 J | 6.1 | 12 | 9.1 | 15 J |
| Endosulfan I | 1 U | 2.5 U | 5 U | 2.5 U | 2.6 U | 2.6 U | 2.5 U |
| Endosulfan II | 11 J | 17 J | 9.8 U | 4.9 U | 5 U | 5 U | 4.9 U |
| Endosulfan sulfate | 3.5 J | 5.7 J | 9.8 U | 4.9 U | 5 U | 5 U | 4.9 U |
| Endrin | 2.9 J | 4.9 U | 5.6 J | 3.5 J | 5 U | 6.9 U | 4.9 U |
| Endrin aldehyde | 2 U | 4.9 U | 9.8 U | 4.9 U | 3 J | 2.9 J | 4.9 U |
| Endrin ketone | 6.6 J | 5.7 J | 9.8 U | 4.9 U | 5 U | 5 U | 4.9 U |
| gamma-Chlordane | 23 J | 18 J | 16 J | 12 | 23 | 20 | 11 J |
| Heptachlor epoxide | 10 J | 10 J | 5 U | 2.5 U | 1.9 J | 1.6 J | 1.4 J |
| Metals (mg/Kg) | | | | | | | |
| Aluminum | 2.2 UJ | 1.6 UJ | 10.1 J | 4.6 J | 5.1 J | 5.1 J | 4.1 UJ |
| Cadmium | 0.015 U | 0.014 U | 0.019 J | 0.025 J | 0.018 | 0.019 J | 0.048 J |
| Chromium | 0.22 UJ | 0.15 UJ | 0.33 J | 0.27 J | 0.25 J | 0.23 J | 0.28 J |
| Cobalt | 0.05 UJ | 0.045 UJ | 0.043 J | 0.05 J | 0.064 J | 0.052 J | 0.049 UJ |
| Copper | 0.3 U | 0.62 | 1.1 J | 1.1 J | 1.1 | 1 J | 0.79 J |
| Iron | 20.4 J | 27.9 J | 39.3 J | 30.9 J | 34 J | 25.6 UJ | 26.5 |
| Lead | 1 J | 0.068 U | 0.13 UJ | 0.063 UJ | 0.068 U | 0.068 UJ | 0.34 J |
| Mercury | 0.0099 UJ | 0.093 UJ | 0.023 J | 0.024 J | 0.025 J | 0.033 J | 0.063 |
| Potassium | 1320 J | 3140 J | 3090 J | 3640 J | 3150 J | 3370 J | 3150 |
| Selenium | 0.8 J | 0.84 J | 0.6 J | 0.82 J | 0.63 J | 0.55 J | 0.93 J |
| Zinc | 29.9 | 29 | 23.2 J | 24.6 J | 21.9 J | 26 J | 43.6 J |
| PERCENT LIPIDS | 10.1 | 9.2 | 2 | 2.5 | 4.4 | 3.4 | 3.9 |
| % MOISTURE | 70 | 74.9 | 76.9 | 74.9 | 75.3 | 75.8 | 74.3 |

**TABLE 2-218**
**PLANT TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 2 | 330 | 165 |
| 1,2-Dichlorobenzene | | | | | | 0 / 2 | 330 | 165 |
| 1,3-Dichlorobenzene | | | | | | 0 / 2 | 330 | 165 |
| 1,4-Dichlorobenzene | | | | | | 0 / 2 | 330 | 165 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 2 | 330 | 165 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 2 | 790 | 395 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 2 | 330 | 165 |
| 2,4-Dichlorophenol | | | | | | 0 / 2 | 330 | 165 |
| 2,4-Dimethylphenol | | | | | | 0 / 2 | 330 | 165 |
| 2,4-Dinitrophenol | | | | | | 0 / 2 | 790 | 395 |
| 2,4-Dinitrotoluene | | | | | | 0 / 2 | 330 | 165 |
| 2,6-Dinitrotoluene | | | | | | 0 / 2 | 330 | 165 |
| 2-Chloronaphthalene | | | | | | 0 / 2 | 330 | 165 |
| 2-Chlorophenol | | | | | | 0 / 2 | 330 | 165 |
| 2-Methylnaphthalene | | | | | | 0 / 2 | 330 | 165 |
| 2-Methylphenol | | | | | | 0 / 2 | 330 | 165 |
| 2-Nitroaniline | | | | | | 0 / 2 | 790 | 395 |
| 2-Nitrophenol | | | | | | 0 / 2 | 330 | 165 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 2 | 330 | 165 |
| 3-Nitroaniline | | | | | | 0 / 2 | 790 | 395 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 2 | 790 | 395 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 2 | 330 | 165 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 2 | 330 | 165 |
| 4-Chloroaniline | | | | | | 0 / 2 | 330 | 165 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 2 | 330 | 165 |
| 4-Methylphenol | | | | | | 0 / 2 | 330 | 165 |
| 4-Nitroaniline | | | | | | 0 / 2 | 790 | 395 |
| 4-Nitrophenol | | | | | | 0 / 2 | 790 | 395 |
| Acenaphthene | | | | | | 0 / 2 | 330 | 165 |
| Acenaphthylene | | | | | | 0 / 2 | 330 | 165 |
| Anthracene | | | | | | 0 / 2 | 330 | 165 |
| Benzo(a)anthracene | | | | | | 0 / 2 | 330 | 165 |
| Benzo(a)pyrene | | | | | | 0 / 2 | 330 | 165 |
| Benzo(b)fluoranthene | | | | | | 0 / 2 | 330 | 165 |
| Benzo(g,h,i)perylene | | | | | | 0 / 2 | 330 | 165 |
| Benzo(k)fluoranthene | | | | | | 0 / 2 | 330 | 165 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 2 | 330 | 165 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 2 | 330 | 165 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 2 | 330 | 165 |
| Butylbenzylphthalate | | | | | | 0 / 2 | 330 | 165 |
| Carbazole | | | | | | 0 / 2 | 330 | 165 |
| Chrysene | | | | | | 0 / 2 | 330 | 165 |
| Di-n-butylphthalate | | | | | | 0 / 2 | 330 | 165 |
| Di-n-octylphthalate | | | | | | 0 / 2 | 330 | 165 |
| Dibenz(a,h)anthracene | | | | | | 0 / 2 | 330 | 165 |
| Dibenzofuran | | | | | | 0 / 2 | 330 | 165 |
| Diethylphthalate | | | | | | 0 / 2 | 330 | 165 |
| Dimethylphthalate | | | | | | 0 / 2 | 330 | 165 |
| Fluoranthene | | | | | | 0 / 2 | 330 | 165 |
| Fluorene | | | | | | 0 / 2 | 330 | 165 |
| Hexachlorobenzene | | | | | | 0 / 2 | 330 | 165 |
| Hexachlorobutadiene | | | | | | 0 / 2 | 330 | 165 |
| Hexachlorocyclopentadiene | | | | | | 0 / 2 | 330 | 165 |
| Hexachloroethane | | | | | | 0 / 2 | 330 | 165 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 2 | 330 | 165 |
| Isophorone | | | | | | 0 / 2 | 330 | 165 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 2 | 330 | 165 |
| N-nitrosodiphenylamine | | | | | | 0 / 2 | 330 | 165 |
| Naphthalene | | | | | | 0 / 2 | 330 | 165 |
| Nitrobenzene | | | | | | 0 / 2 | 330 | 165 |
| Pentachlorophenol | | | | | | 0 / 2 | 790 | 395 |
| Phenanthrene | | | | | | 0 / 2 | 330 | 165 |
| Phenol | | | | | | 0 / 2 | 330 | 165 |
| Pyrene | | | | | | 0 / 2 | 330 | 165 |

**TABLE 2-218**
**PLANT TISSUE DATA SUMMARY - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 4.7 | | 5.2 | | PL-23-01 | 2 / 2 | N/A | 5.0 |
| 4,4'-DDE | 0.85 | J | 0.87 | J | PL-23-01 | 2 / 2 | N/A | 0.86 |
| 4,4'-DDT | 0.78 | J | 0.78 | J | PL-23-01 | 1 / 2 | 0.98 | 0.64 |
| Aldrin | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| alpha-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| alpha-Chlordane | 0.43 | J | 0.45 | J | PL-23-02 | 2 / 2 | N/A | 0.44 |
| Aroclor-1016 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 2 | 9.9 - 10 | 5.0 |
| Aroclor-1232 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1254 | | | | | | 0 / 2 | 5 | 2.5 |
| Aroclor-1260 | | | | | | 0 / 2 | 5 | 2.5 |
| beta-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| delta-BHC | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Dieldrin | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endosulfan I | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Endosulfan II | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endosulfan sulfate | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin aldehyde | | | | | | 0 / 2 | 0.98 | 0.49 |
| Endrin ketone | | | | | | 0 / 2 | 0.98 | 0.49 |
| gamma-BHC (lindane) | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| gamma-Chlordane | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Heptachlor | 0.28 | J | 0.28 | J | PL-23-01 | 1 / 2 | 0.5 | 0.27 |
| Heptachlor epoxide | | | | | | 0 / 2 | 0.5 - 0.51 | 0.25 |
| Methoxychlor | | | | | | 0 / 2 | 5 - 5.1 | 2.5 |
| Toxaphene | | | | | | 0 / 2 | 50 - 51 | 25 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 69.3 | J | 83.9 | J | PL-23-01 | 2 / 2 | N/A | 77 |
| Antimony | | | | | | 0 / 2 | 0.23 - 0.24 | 0.12 |
| Arsenic | 1.4 | | 1.5 | | PL-23-01 | 2 / 2 | N/A | 1.5 |
| Barium | 4.7 | | 5.2 | | PL-23-01 | 2 / 2 | N/A | 5.0 |
| Beryllium | | | | | | 0 / 2 | 0.02 | 0.010 |
| Cadmium | 0.11 | | 0.12 | | PL-23-01 | 2 / 2 | N/A | 0.12 |
| Calcium | 1040 | | 1090 | | PL-23-02 | 2 / 2 | N/A | 1065 |
| Chromium | 0.406 | J | 0.56 | J | PL-23-01 | 2 / 2 | N/A | 0.48 |
| Cobalt | 0.457 | J | 0.53 | J | PL-23-01 | 2 / 2 | N/A | 0.49 |
| Copper | 0.97 | J | 0.978 | J | PL-23-02 | 2 / 2 | N/A | 1.0 |
| Cyanide | | | | | | 0 / 2 | 0.45 - 0.533 | 0.25 |
| Iron | 938 | | 1010 | | PL-23-02 | 2 / 2 | N/A | 974 |
| Lead | 3 | J | 3.3 | J | PL-23-01 | 2 / 2 | N/A | 3.2 |
| Magnesium | 171 | | 175 | | PL-23-01 | 2 / 2 | N/A | 173 |
| Manganese | 143 | | 158 | | PL-23-01 | 2 / 2 | N/A | 151 |
| Mercury | | | | | | 0 / 2 | 0.01 | 0.0050 |
| Nickel | 0.17 | | 0.17 | | PL-23-01 | 1 / 2 | 0.16 | 0.13 |
| Potassium | 940 | | 1150 | | PL-23-02 | 2 / 2 | N/A | 1045 |
| Selenium | | | | | | 0 / 2 | 0.42 | 0.21 |
| Silver | | | | | | 0 / 2 | 0.14 - 0.15 | 0.073 |
| Sodium | 825 | | 843 | | PL-23-02 | 2 / 2 | N/A | 834 |
| Thallium | | | | | | 0 / 2 | 0.33 - 0.35 | 0.17 |
| Vanadium | 0.61 | | 0.78 | | PL-23-01 | 2 / 2 | N/A | 0.70 |
| Zinc | 19.7 | J | 22.3 | J | PL-23-02 | 2 / 2 | N/A | 21 |
| %MOISTURE | 86.7 | | 87.3 | | PL-23-02 | 2 / 2 | N/A | 87 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-219**
**PLANT TISSUE DATA HITS TABLE - REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| | PL-23-01 | PL-23-02 |
|---|---|---|
| SVOCs (ug/Kg) | | |
| No Detections | | |
| | | |
| PCB/Pesticides (ug/Kg) | | |
| 4,4'-DDD | 5.2 | 4.7 |
| 4,4'-DDE | 0.87 J | 0.85 J |
| 4,4'-DDT | 0.78 J | 0.98 U |
| alpha-Chlordane | 0.43 J | 0.45 J |
| Heptachlor | 0.28 J | 0.5 UJ |
| | | |
| Metals (mg/Kg) | | |
| Aluminum | 83.9 J | 69.3 J |
| Arsenic | 1.5 | 1.4 |
| Barium | 5.2 | 4.7 |
| Cadmium | 0.12 | 0.11 |
| Calcium | 1040 | 1090 |
| Chromium | 0.56 J | 0.406 J |
| Cobalt | 0.53 J | 0.457 J |
| Copper | 0.97 J | 0.978 J |
| Iron | 938 | 1010 |
| Lead | 3.3 J | 3 J |
| Magnesium | 175 | 171 |
| Manganese | 158 | 143 |
| Nickel | 0.17 | 0.16 U |
| Potassium | 940 | 1150 |
| Sodium | 825 | 843 |
| Vanadium | 0.78 | 0.61 |
| Zinc | 19.7 J | 22.3 J |
| | | |
| % MOISTURE | 86.7 | 87.3 |

**TABLE 2-220**
**PLANT TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/Kg | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 6 | 330 | 165 |
| 1,2-Dichlorobenzene | | | | | | 0 / 6 | 330 | 165 |
| 1,3-Dichlorobenzene | | | | | | 0 / 6 | 330 | 165 |
| 1,4-Dichlorobenzene | | | | | | 0 / 6 | 330 | 165 |
| 2,2'-oxybis(1-Chloropropane) | | | | | | 0 / 6 | 330 | 165 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 6 | 790 | 395 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 6 | 330 | 165 |
| 2,4-Dichlorophenol | | | | | | 0 / 6 | 330 | 165 |
| 2,4-Dimethylphenol | | | | | | 0 / 6 | 330 | 165 |
| 2,4-Dinitrophenol | | | | | | 0 / 6 | 790 | 395 |
| 2,4-Dinitrotoluene | | | | | | 0 / 6 | 330 | 165 |
| 2,6-Dinitrotoluene | | | | | | 0 / 6 | 330 | 165 |
| 2-Chloronaphthalene | | | | | | 0 / 6 | 330 | 165 |
| 2-Chlorophenol | | | | | | 0 / 6 | 330 | 165 |
| 2-Methylnaphthalene | | | | | | 0 / 6 | 330 | 165 |
| 2-Methylphenol | | | | | | 0 / 6 | 330 | 165 |
| 2-Nitroaniline | | | | | | 0 / 6 | 790 | 395 |
| 2-Nitrophenol | | | | | | 0 / 6 | 330 | 165 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 6 | 330 | 165 |
| 3-Nitroaniline | | | | | | 0 / 6 | 790 | 395 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 6 | 790 | 395 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 6 | 330 | 165 |
| 4-Chloro-3-Methylphenol | | | | | | 0 / 6 | 330 | 165 |
| 4-Chloroaniline | | | | | | 0 / 6 | 330 | 165 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 6 | 330 | 165 |
| 4-Methylphenol | | | | | | 0 / 6 | 330 | 165 |
| 4-Nitroaniline | | | | | | 0 / 6 | 790 | 395 |
| 4-Nitrophenol | | | | | | 0 / 6 | 790 | 395 |
| Acenaphthene | | | | | | 0 / 6 | 330 | 165 |
| Acenaphthylene | | | | | | 0 / 6 | 330 | 165 |
| Anthracene | | | | | | 0 / 6 | 330 | 165 |
| Benzo(a)anthracene | | | | | | 0 / 6 | 330 | 165 |
| Benzo(a)pyrene | 77 | J | 77 | J | PL-20-01 | 1 / 6 | 330 | 150 |
| Benzo(b)fluoranthene | 55 | J | 100 | J | PL-20-01 | 4 / 6 | 330 | 103 |
| Benzo(g,h,i)perylene | | | | | | 0 / 6 | 330 | 165 |
| Benzo(k)fluoranthene | 52 | J | 120 | J | PL-20-01 | 3 / 6 | 330 | 123 |
| bis (2-Chloroethoxy) methane | | | | | | 0 / 6 | 330 | 165 |
| bis (2-Chloroethyl) Ether | | | | | | 0 / 6 | 330 | 165 |
| bis (2-Ethylhexyl) phthalate | | | | | | 0 / 6 | 330 | 165 |
| Butylbenzylphthalate | | | | | | 0 / 6 | 330 | 165 |
| Carbazole | | | | | | 0 / 6 | 330 | 165 |
| Chrysene | 54 | J | 98 | J | PL-20-01 | 3 / 6 | 330 | 119 |
| Di-n-butylphthalate | | | | | | 0 / 6 | 330 | 165 |
| Di-n-octylphthalate | | | | | | 0 / 6 | 330 | 165 |
| Dibenz(a,h)anthracene | | | | | | 0 / 6 | 330 | 165 |
| Dibenzofuran | | | | | | 0 / 6 | 330 | 165 |
| Diethylphthalate | | | | | | 0 / 6 | 330 | 165 |
| Dimethylphthalate | | | | | | 0 / 6 | 330 | 165 |
| Fluoranthene | 31 | J | 120 | J | PL-20-01 | 6 / 6 | N/A | 54 |
| Fluorene | | | | | | 0 / 6 | 330 | 165 |
| Hexachlorobenzene | | | | | | 0 / 6 | 330 | 165 |
| Hexachlorobutadiene | | | | | | 0 / 6 | 330 | 165 |
| Hexachlorocyclopentadiene | | | | | | 0 / 6 | 330 | 165 |
| Hexachloroethane | | | | | | 0 / 6 | 330 | 165 |
| Indeno(1,2,3-cd)pyrene | 63 | J | 63 | J | PL-20-01 | 1 / 6 | 330 | 148 |
| Isophorone | | | | | | 0 / 6 | 330 | 165 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 6 | 330 | 165 |
| N-nitrosodiphenylamine | | | | | | 0 / 6 | 330 | 165 |
| Naphthalene | | | | | | 0 / 6 | 330 | 165 |
| Nitrobenzene | | | | | | 0 / 6 | 330 | 165 |
| Pentachlorophenol | | | | | | 0 / 6 | 790 | 395 |
| Phenanthrene | 25 | J | 38 | J | PL-20-01 | 2 / 6 | 330 | 121 |
| Phenol | | | | | | 0 / 6 | 330 | 165 |
| Pyrene | 33 | J | 110 | J | PL-20-01 | 5 / 6 | 330 | 87 |

**TABLE 2-220**
**PLANT TISSUE DATA SUMMARY - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/Kg | | | | | | | | |
| 4,4'-DDD | 0.58 | J | 1.1 | J | PL-18-01 | 3 / 6 | 0.98 | 0.63 |
| 4,4'-DDE | 0.36 | J | 1.2 | | PL-18-01 | 6 / 6 | N/A | 0.70 |
| 4,4'-DDT | 0.56 | J | 0.56 | J | PL-18-01 | 1 / 6 | 0.98 - 0.99 | 0.50 |
| Aldrin | | | | | | 0 / 6 | 0.5 - 0.51 | 0.25 |
| alpha-BHC | 0.27 | J | 0.27 | J | PL-20-01 | 1 / 6 | 0.5 - 0.51 | 0.26 |
| alpha-Chlordane | 0.84 | J | 2.3 | J | PL-21-01 | 6 / 6 | N/A | 1.4 |
| Aroclor-1016 | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Aroclor-1221 | | | | | | 0 / 6 | 9.9 - 10 | 5.0 |
| Aroclor-1232 | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Aroclor-1242 | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Aroclor-1248 | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Aroclor-1254 | | | | | | 0 / 6 | 4.9 - 5 | 2.5 |
| Aroclor-1260 | 5.6 | J | 8.9 | | PL-21-01 | 6 / 6 | N/A | 7.0 |
| beta-BHC | | | | | | 0 / 6 | 0.5 - 0.51 | 0.25 |
| delta-BHC | | | | | | 0 / 6 | 0.5 - 0.51 | 0.25 |
| Dieldrin | | | | | | 0 / 6 | 0.98 - 0.99 | 0.49 |
| Endosulfan I | 0.43 | J | 0.43 | J | PL-20-01 | 1 / 6 | 0.5 - 0.51 | 0.28 |
| Endosulfan II | 1.1 | J | 1.1 | J | PL-21-01 | 1 / 6 | 0.98 - 0.99 | 0.59 |
| Endosulfan sulfate | | | | | | 0 / 6 | 0.98 - 0.99 | 0.49 |
| Endrin | | | | | | 0 / 6 | 0.98 - 0.99 | 0.49 |
| Endrin aldehyde | 0.63 | J | 2.9 | J | PL-21-02 | 4 / 6 | 0.98 - 0.99 | 1.0 |
| Endrin ketone | | | | | | 0 / 6 | 0.98 - 0.99 | 0.49 |
| gamma-BHC (lindane) | | | | | | 0 / 6 | 0.5 - 0.51 | 0.25 |
| gamma-Chlordane | 0.32 | J | 0.56 | | PL-20-01 | 6 / 6 | N/A | 0.47 |
| Heptachlor | 0.33 | J | 0.37 | J | PL-20-01 | 2 / 6 | 0.5 - 0.51 | 0.29 |
| Heptachlor epoxide | 0.44 | J | 0.44 | J | PL-20-01 | 1 / 6 | 0.5 - 0.51 | 0.28 |
| Methoxychlor | | | | | | 0 / 6 | 5 - 5.1 | 2.5 |
| Toxaphene | | | | | | 0 / 6 | 50 - 51 | 25 |
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 154 | J | 348 | J | PL-18-01 | 6 / 6 | N/A | 256 |
| Antimony | | | | | | 0 / 6 | 0.17 - 0.24 | 0.10 |
| Arsenic | 2.9 | | 15.9 | | PL-20-02 | 6 / 6 | N/A | 10 |
| Barium | 2.51 | | 4.1 | | PL-18-01 | 6 / 6 | N/A | 3.4 |
| Beryllium | | | | | | 0 / 6 | 0.02 - 0.04 | 0.015 |
| Cadmium | 0.42 | | 0.78 | | PL-18-01 | 6 / 6 | N/A | 0.52 |
| Calcium | 1160 | | 1420 | | PL-18-01 | 6 / 6 | N/A | 1255 |
| Chromium | 15 | J | 71.2 | J | PL-18-01 | 6 / 6 | N/A | 31 |
| Cobalt | 0.61 | J | 2.2 | J | PL-18-01 | 6 / 6 | N/A | 0.96 |
| Copper | 6.4 | J | 27.1 | J | PL-18-01 | 6 / 6 | N/A | 16 |
| Cyanide | | | | | | 0 / 6 | 0.41 - 0.58 | 0.25 |
| Iron | 828 | | 2270 | | PL-18-01 | 6 / 6 | N/A | 1448 |
| Lead | 9.4 | J | 13.9 | J | PL-20-01 | 6 / 6 | N/A | 12 |
| Magnesium | 177 | | 238 | | PL-20-01 | 6 / 6 | N/A | 212 |
| Manganese | 29 | | 109 | | PL-20-02 | 6 / 6 | N/A | 62 |
| Mercury | 0.04 | J | 0.29 | J | PL-21-01 | 6 / 6 | N/A | 0.11 |
| Nickel | 0.48 | | 1.5 | J | PL-18-01 | 6 / 6 | N/A | 0.71 |
| Potassium | 500 | | 1620 | | PL-20-02 | 6 / 6 | N/A | 969 |
| Selenium | 0.55 | J | 0.55 | J | PL-21-01 | 1 / 6 | 0.251 - 0.54 | 0.27 |
| Silver | | | | | | 0 / 6 | 0.106 - 0.15 | 0.064 |
| Sodium | 568 | | 1420 | | PL-21-01 | 6 / 6 | N/A | 957 |
| Thallium | | | | | | 0 / 6 | 0.25 - 0.35 | 0.15 |
| Vanadium | 0.9 | | 2.1 | | PL-18-01 | 6 / 6 | N/A | 1.4 |
| Zinc | 76 | J | 149 | J | PL-18-01 | 6 / 6 | N/A | 107 |
| %MOISTURE | 84.2 | | 89.1 | | PL-20-02 | 6 / 6 | N/A | 87 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-221**
**PLANT TISSUE DATA HITS TABLE - NON-REFERENCE LOCATIONS**
**WELLS G&H SUPERFUND SITE (OU3)**

| | PL-18-01 | PL-18-02 | PL-20-01 | PL-20-02 | PL-21-01 | PL-21-02 |
|---|---|---|---|---|---|---|
| SVOCs (ug/Kg) | | | | | | |
| Benzo(a)pyrene | 330 U | 330 U | 77 J | 330 UJ | 330 U | 330 U |
| Benzo(b)fluoranthene | 55 J | 79 J | 100 J | 55 J | 330 U | 330 U |
| Benzo(k)fluoranthene | 52 J | 68 J | 120 J | 330 UJ | 330 U | 330 U |
| Chrysene | 330 U | 54 J | 98 J | 66 J | 330 U | 330 U |
| Fluoranthene | 36 J | 43 J | 120 J | 64 J | 31 J | 31 J |
| Indeno(1,2,3-cd)pyrene | 330 U | 330 U | 63 J | 330 UJ | 330 U | 330 U |
| Phenanthrene | 330 U | 330 U | 38 J | 25 J | 330 U | 330 U |
| Pyrene | 88 J | 330 U | 110 J | 94 J | 34 J | 33 J |
| PCB/Pesticides (ug/Kg) | | | | | | |
| 4,4'-DDD | 1.1 J | 0.58 J | 0.64 J | 0.98 U | 0.98 U | 0.98 U |
| 4,4'-DDE | 1.2 | 0.36 J | 0.63 J | 0.57 J | 0.62 J | 0.81 J |
| 4,4'-DDT | 0.56 J | 0.99 U | 0.98 U | 0.98 U | 0.98 U | 0.98 U |
| alpha-BHC | 0.51 U | 0.51 U | 0.27 J | 0.5 U | 0.5 U | 0.5 U |
| alpha-Chlordane | 0.91 | 1 J | 0.99 J | 0.84 J | 2.3 J | 2.3 J |
| Aroclor-1260 | 7.1 | 5.6 J | 5.8 J | 5.6 J | 8.9 | 8.9 |
| Endosulfan I | 0.51 U | 0.51 U | 0.43 J | 0.5 U | 0.5 U | 0.5 U |
| Endosulfan II | 0.99 U | 0.99 U | 0.98 U | 0.98 U | 1.1 J | 0.98 U |
| Endrin aldehyde | 0.99 U | 0.67 J | 0.98 J | 0.98 U | 0.63 J | 2.9 J |
| gamma-Chlordane | 0.51 | 0.43 J | 0.56 | 0.32 J | 0.53 | 0.46 J |
| Heptachlor | 0.51 U | 0.51 U | 0.37 J | 0.5 U | 0.33 J | 0.5 U |
| Heptachlor epoxide | 0.51 U | 0.51 U | 0.44 J | 0.5 U | 0.5 U | 0.5 U |
| Metals (mg/Kg) | | | | | | |
| Aluminum | 348 J | 235 J | 348 J | 283 J | 166 J | 154 J |
| Arsenic | 14.7 | 10.2 | 13.4 | 15.9 | 4.2 | 2.9 |
| Barium | 4.1 | 3.4 | 2.51 | 3.6 | 3.5 | 3.3 |
| Cadmium | 0.78 | 0.42 | 0.53 | 0.45 | 0.47 | 0.44 |
| Calcium | 1420 | 1220 | 1290 | 1260 | 1160 | 1180 |
| Chromium | 71.2 J | 34.2 J | 28.7 J | 18 J | 21.1 J | 15 J |
| Cobalt | 2.2 J | 0.68 J | 0.87 J | 0.76 J | 0.61 J | 0.65 J |
| Copper | 27.1 J | 16.1 J | 21.6 J | 17.4 J | 7.8 J | 6.4 J |
| Iron | 2270 | 1880 | 1120 | 1640 | 828 | 948 |
| Lead | 13.6 J | 9.4 J | 13.9 J | 9.8 J | 10.9 J | 11.4 J |
| Magnesium | 218 | 197 | 238 | 226 | 216 J | 177 |
| Manganese | 49.8 | 59.6 | 93.4 | 109 | 30 | 29 |
| Mercury | 0.04 J | 0.04 J | 0.07 J | 0.06 J | 0.29 J | 0.16 J |
| Nickel | 1.5 J | 0.65 | 0.6 | 0.501 | 0.53 | 0.48 |
| Potassium | 899 | 718 | 1390 | 1620 | 687 | 500 |
| Selenium | 0.52 UJ | 0.5 UJ | 0.54 UJ | 0.251 UJ | 0.55 J | 0.3 UJ |
| Sodium | 812 | 568 | 918 | 642 | 1420 | 1380 |
| Vanadium | 2.1 | 1.7 | 1.6 | 1.3 | 1 | 0.9 |
| Zinc | 149 J | 76 J | 103 J | 81.9 J | 117 J | 113 J |
| % MOISTURE | 88 | 86.5 | 88.2 | 89.1 | 87.5 | 84.2 |

**TABLE 2-222**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| VOCs - ug/L | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1,2-Trichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,1-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| 1,2-Dichloropropane | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Butanone | | | | | | 0 / 1 | 2 | 1.0 |
| 2-Hexanone | | | | | | 0 / 1 | 2 | 1.0 |
| 4-Methyl-2-Pentanone | | | | | | 0 / 1 | 2 | 1.0 |
| Acetone | | | | | | 0 / 1 | 5 | 2.5 |
| Benzene | | | | | | 0 / 1 | 2 | 1.0 |
| Bromodichloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Bromoform | | | | | | 0 / 1 | 2 | 1.0 |
| Bromomethane | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon Disulfide | | | | | | 0 / 1 | 2 | 1.0 |
| Carbon Tetrachloride | | | | | | 0 / 1 | 2 | 1.0 |
| Chlorobenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroethane | | | | | | 0 / 1 | 2 | 1.0 |
| Chloroform | | | | | | 0 / 1 | 2 | 1.0 |
| Chloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| cis-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Dibromochloromethane | | | | | | 0 / 1 | 2 | 1.0 |
| Ethylbenzene | | | | | | 0 / 1 | 2 | 1.0 |
| Methylene Chloride | | | | | | 0 / 1 | 5 | 2.5 |
| Styrene | | | | | | 0 / 1 | 2 | 1.0 |
| Tetrachloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Toluene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,2-Dichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| trans-1,3-Dichloropropene | | | | | | 0 / 1 | 2 | 1.0 |
| Trichloroethene | | | | | | 0 / 1 | 2 | 1.0 |
| Vinyl Chloride | | | | | | 0 / 1 | 2 | 1.0 |
| Xylene, m/p- | | | | | | 0 / 1 | 4 | 2.0 |
| Xylene, o- | | | | | | 0 / 1 | 2 | 1.0 |

**TABLE 2-222**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| SVOCs - ug/L | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,2-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,3-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 1,4-Dichlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4,5-Trichlorophenol | | | | | | 0 / 1 | 12 | 6.0 |
| 2,4,6-Trichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dichlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dimethylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2,4-Dinitrophenol | | | | | | 0 / 1 | 12 | 6.0 |
| 2,4-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2,6-Dinitrotoluene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chloronaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Chlorophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylnaphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 2-Nitroaniline | | | | | | 0 / 1 | 12 | 6.0 |
| 2-Nitrophenol | | | | | | 0 / 1 | 5 | 2.5 |
| 3,3'-Dichlorobenzidine | | | | | | 0 / 1 | 5 | 2.5 |
| 3-Nitroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4,6-Dinitro-2-methylphenol | | | | | | 0 / 1 | 12 | 6.0 |
| 4-Bromophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloro-3-methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chloroaniline | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Chlorophenyl-phenylether | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Methylphenol | | | | | | 0 / 1 | 5 | 2.5 |
| 4-Nitroaniline | | | | | | 0 / 1 | 12 | 6.0 |
| 4-Nitrophenol | | | | | | 0 / 1 | 12 | 6.0 |
| Acenaphthene | | | | | | 0 / 1 | 5 | 2.5 |
| Acenaphthylene | | | | | | 0 / 1 | 5 | 2.5 |
| Anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(a)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(b)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(g,h,i)perylene | | | | | | 0 / 1 | 5 | 2.5 |
| Benzo(k)fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Bis(2-Chloroethoxy)methane | | | | | | 0 / 1 | 5 | 2.5 |
| Bis(2-Chloroethyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis-(2-chloroisopropyl)ether | | | | | | 0 / 1 | 5 | 2.5 |
| bis(2-Ethylhexyl)phthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Butylbenzylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Carbazole | | | | | | 0 / 1 | 5 | 2.5 |
| Chrysene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenz(a,h)anthracene | | | | | | 0 / 1 | 5 | 2.5 |
| Dibenzofuran | | | | | | 0 / 1 | 5 | 2.5 |
| Diethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Dimethylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-Butylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Di-n-octylphthalate | | | | | | 0 / 1 | 5 | 2.5 |
| Fluoranthene | | | | | | 0 / 1 | 5 | 2.5 |
| Fluorene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorobutadiene | | | | | | 0 / 1 | 5 | 2.5 |
| Hexachlorocyclopentadiene | | | | | | 0 / 1 | 12 | 6.0 |
| Hexachloroethane | | | | | | 0 / 1 | 5 | 2.5 |
| Indeno(1,2,3-cd)pyrene | | | | | | 0 / 1 | 5 | 2.5 |
| Isophorone | | | | | | 0 / 1 | 5 | 2.5 |
| Naphthalene | | | | | | 0 / 1 | 5 | 2.5 |
| Nitrobenzene | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitroso-di-n-propylamine | | | | | | 0 / 1 | 5 | 2.5 |
| N-Nitrosodiphenylamine | | | | | | 0 / 1 | 5 | 2.5 |
| Pentachlorophenol | | | | | | 0 / 1 | 12 | 6.0 |
| Phenanthrene | | | | | | 0 / 1 | 5 | 2.5 |
| Phenol | | | | | | 0 / 1 | 5 | 2.5 |
| Pyrene | | | | | | 0 / 1 | 5 | 2.5 |

**TABLE 2-222**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| PCBs/Pesticides - ug/L | | | | | | | | |
| 4,4'-DDD | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| 4,4'-DDE | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| 4,4'-DDT | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Aldrin | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| alpha-BHC | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| alpha-Chlordane | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Aroclor-1016 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1221 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1232 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1242 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1248 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1254 | | | | | | 0 / 1 | 0.044 | 0.022 |
| Aroclor-1260 | | | | | | 0 / 1 | 0.044 | 0.022 |
| beta-BHC | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| delta-BHC | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Dieldrin | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endosulfan I | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endosulfan II | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endosulfan Sulfate | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endrin | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endrin Aldehyde | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Endrin Ketone | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| gamma-BHC | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| gamma-Chlordane | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Heptachlor | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Heptachlor Epoxide | | | | | | 0 / 1 | 0.0089 | 0.0045 |
| Methoxychlor | | | | | | 0 / 1 | 0.044 | 0.022 |
| Toxaphene | | | | | | 0 / 1 | 0.089 | 0.045 |
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 62.2 | J | 99.7 | | IPSW-05-071401 | 4 / 17 | 54.4 - 203 | 70 |
| Antimony | | | | | | 0 / 17 | 1.2 - 18.3 | 1.7 |
| Arsenic | 9.1 | | 28 | | IPSW-05-071602 | 18 / 18 | N/A | 20 |
| Barium | 29.9 | | 46.7 | | IPSW-05-071602 | 17 / 17 | N/A | 38 |
| Beryllium | | | | | | 0 / 17 | 0.2 - 0.83 | 0.17 |
| Cadmium | | | | | | 0 / 17 | 0.2 - 0.94 | 0.20 |
| Calcium | 39600 | | 58400 | | IPSW-05-111901 | 17 / 17 | N/A | 47929 |
| Chromium | 2.4 | | 14.2 | | IPSW-05-071602 | 15 / 17 | 5.7 - 8.8 | 7.4 |
| Cobalt | 0.94 | J | 2.2 | | IPSW-05-102502 | 8 / 17 | 0.7 - 3.3 | 1.2 |
| Copper | 2.8 | J | 8.7 | J | IPSW-05-062002 | 11 / 17 | 4.5 - 10.7 | 5.0 |
| Iron | 1460 | | 3460 | | IPSW-05-062002 | 17 / 17 | N/A | 2463 |
| Lead | 1.4 | J | 6.2 | | IPSW-05-071602 | 12 / 17 | 2.3 - 6.2 | 3.2 |
| Magnesium | 6550 | | 9240 | | IPSW-05-111901 | 17 / 17 | N/A | 7883 |
| Manganese | 325 | | 764 | | IPSW-05-071602 | 17 / 17 | N/A | 561 |
| Mercury | 0.1 | J | 0.1 | J | IPSW-05-071401 | 1 / 17 | 0.04 - 0.16 | 0.054 |
| Nickel | 1.2 | J | 2.7 | J | SW-MC-13-0 | 12 / 17 | 1.3 - 3.5 | 1.7 |
| Potassium | 4860 | J | 7810 | | IPSW-05-021502 | 16 / 16 | N/A | 6370 |
| Selenium | | | | | | 0 / 17 | 1.1 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 17 | 0.5 - 1 | 0.36 |
| Sodium | 55800 | | 128000 | J | IPSW-05-021502 | 16 / 16 | N/A | 77613 |
| Thallium | | | | | | 0 / 17 | 1.2 - 6 | 1.8 |
| Vanadium | 0.7 | J | 5.4 | J | SW-MC-13-0 | 6 / 17 | 0.6 - 1.7 | 0.96 |
| Zinc | 23.6 | J | 153 | | IPSW-05-121701 | 17 / 17 | N/A | 63 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 17 | 30.8 - 77.7 | 26 |
| Antimony | | | | | | 0 / 17 | 1.2 - 100 | 4.1 |
| Arsenic | 3.8 | | 11.4 | J | IPSW-05-071401FT | 13 / 17 | 5.2 - 13 | 5.6 |
| Barium | 27.7 | | 44.4 | | IPSW-05-091002FT | 17 / 17 | N/A | 35 |
| Beryllium | | | | | | 0 / 17 | 0.2 - 4 | 0.28 |
| Cadmium | | | | | | 0 / 17 | 0.2 - 1 | 0.21 |
| Calcium | 38000 | | 58100 | | IPSW-05-111901FT | 17 / 17 | N/A | 47800 |
| Chromium | 0.93 | J | 2.2 | | IPSW-05-091801FT | 10 / 17 | 0.6 - 10 | 1.6 |
| Cobalt | 0.8 | J | 2.1 | | IPSW-05-102502FT | 8 / 17 | 0.7 - 3 | 1.0 |
| Copper | 2.4 | J | 4 | | IPSW-05-102201FT | 4 / 17 | 0.6 - 6 | 1.7 |

**TABLE 2-222**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Iron | 134 | | 1480 | | IPSW-05-071401FT | 14 / 17 | 8.7 - 23.8 | 507 |
| Lead | 1.6 | J | 1.6 | J | IPSW-05-041702FT | 1 / 17 | 0.7 - 2.7 | 0.82 |
| Magnesium | 6250 | | 9280 | | IPSW-05-111901FT | 17 / 17 | N/A | 7866 |
| Manganese | 308 | | 770 | | SW-MC-13-0 | 17 / 17 | N/A | 553 |
| Mercury | | | | | | 0 / 17 | 0.1 - 0.2 | 0.055 |
| Nickel | 1.3 | J | 2.3 | J | IPSW-05-102201FT | 11 / 17 | 0.9 - 3.5 | 1.5 |
| Potassium | 4840 | J | 7690 | J | IPSW-05-021502FT | 16 / 16 | N/A | 6369 |
| Selenium | 2.7 | J | 2.7 | J | IPSW-05-062002FT | 1 / 17 | 1.9 - 4.8 | 1.7 |
| Silver | | | | | | 0 / 17 | 0.5 - 2 | 0.39 |
| Sodium | 55000 | | 123000 | J | IPSW-05-021502FT | 16 / 16 | N/A | 77131 |
| Thallium | | | | | | 0 / 17 | 2 - 6 | 1.8 |
| Vanadium | | | | | | 0 / 17 | 0.4 - 10 | 0.63 |
| Zinc | 3.9 | J | 121 | | IPSW-05-121701FT | 16 / 17 | 25.1 | 41 |
| Hardness (mg/L) | 166 | | 166 | | SW-MC-13-0 | 1 / 1 | N/A | 166 |
| Total Organic Carbon (mg/L) | 7.94 | | 7.94 | | SW-MC-13-0 | 1 / 1 | N/A | 7.9 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-223**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 06 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 65.8 | J | 363 | | IPSW-06-102201 | 2 / 16 | 19.6 - 362 | 65 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 3.8 | | 18.9 | | IPSW-06-102201 | 16 / 16 | N/A | 11 |
| Barium | 31.7 | | 43 | J | IPSW-06-010402 | 16 / 16 | N/A | 38 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.76 | 0.16 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.8 | 0.19 |
| Calcium | 38900 | | 52100 | | IPSW-06-111901 | 16 / 16 | N/A | 45988 |
| Chromium | 0.51 | J | 17.3 | | IPSW-06-111901 | 12 / 16 | 2.7 - 5.4 | 4.2 |
| Cobalt | 1 | J | 1.7 | J | IPSW-06-102201 | 6 / 16 | 0.7 - 2.5 | 0.84 |
| Copper | 1.9 | J | 14.7 | | IPSW-06-102201 | 8 / 16 | 3.5 - 9.6 | 4.6 |
| Iron | 359 | J | 2600 | | IPSW-06-102201 | 16 / 16 | N/A | 1463 |
| Lead | 1.8 | J | 17.4 | J | IPSW-06-111901 | 5 / 16 | 1.4 - 4.5 | 3.2 |
| Magnesium | 6650 | | 9240 | | IPSW-06-010402 | 16 / 16 | N/A | 7840 |
| Manganese | 271 | | 757 | | IPSW-06-071602 | 16 / 16 | N/A | 476 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.22 | 0.055 |
| Nickel | 0.8 | J | 2.2 | J | IPSW-06-111901 | 13 / 16 | 1.5 - 2.5 | 1.4 |
| Potassium | 4660 | J | 7350 | | IPSW-06-021502 | 16 / 16 | N/A | 5871 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 57600 | | 139000 | J | IPSW-06-021502 | 16 / 16 | N/A | 81819 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.9 |
| Vanadium | 0.67 | J | 1.7 | J | IPSW-06-111901 | 5 / 16 | 0.4 - 1.7 | 0.63 |
| Zinc | 26.3 | J | 105 | | IPSW-06-121701 | 16 / 16 | N/A | 58 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 22 - 86.4 | 25 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 2.1 | J | 7.1 | J | IPSW-06-071401FT | 8 / 16 | 1.3 - 8 | 2.7 |
| Barium | 29 | J | 42.2 | J | IPSW-06-010402FT | 16 / 16 | N/A | 36 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.75 | 0.16 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 1 | 0.19 |
| Calcium | 37000 | | 52200 | | IPSW-06-071602FT | 16 / 16 | N/A | 45988 |
| Chromium | 1 | J | 2 | | IPSW-06-071401FT | 10 / 16 | 0.6 - 3.3 | 1.2 |
| Cobalt | 0.75 | J | 1.3 | J | IPSW-06-021502FT | 6 / 16 | 0.7 - 2.5 | 0.77 |
| Copper | 0.68 | J | 3.5 | J | IPSW-06-050802FT | 7 / 16 | 2 - 5.6 | 2.1 |
| Iron | 110 | | 961 | | IPSW-06-071401FT | 11 / 16 | 8.7 - 254 | 293 |
| Lead | | | | | | 0 / 16 | 0.7 - 2.6 | 0.77 |
| Magnesium | 6210 | | 8980 | | IPSW-06-071602FT | 16 / 16 | N/A | 7859 |
| Manganese | 277 | | 749 | | IPSW-06-071602FT | 16 / 16 | N/A | 454 |
| Mercury | 0.13 | J | 0.17 | J | IPSW-06-080602FT | 3 / 16 | 0.1 - 0.14 | 0.072 |
| Nickel | 1 | J | 2.2 | J | IPSW-06-071401FT | 10 / 16 | 0.9 - 3.4 | 1.4 |
| Potassium | 4430 | J | 7660 | | IPSW-06-021502FT | 16 / 16 | N/A | 5929 |
| Selenium | 1.9 | J | 1.9 | J | IPSW-06-031202FT | 1 / 16 | 2.1 - 4.8 | 1.7 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 58800 | | 144000 | J | IPSW-06-021502FT | 16 / 16 | N/A | 81856 |
| Thallium | 3.6 | | 3.6 | | IPSW-06-102502FT | 1 / 16 | 2.2 - 6 | 2.0 |
| Vanadium | 0.64 | J | 0.64 | J | IPSW-06-071401FT | 1 / 16 | 0.4 - 1.7 | 0.38 |
| Zinc | 19.7 | J | 102 | | IPSW-06-121701FT | 16 / 16 | N/A | 45 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-224**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 07 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 87.9 | | 111 | | IPSW-07-050802 | 2 / 16 | 43.6 - 216 | 61 |
| Antimony | | | | | | 0 / 16 | 1.5 - 4 | 1.2 |
| Arsenic | 4.1 | | 8.3 | | IPSW-07-080602 | 12 / 16 | 7.9 - 10.9 | 5.7 |
| Barium | 31.5 | | 42.8 | | IPSW-07-041702 | 16 / 16 | N/A | 39 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.77 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.69 | 0.18 |
| Calcium | 34500 | | 49900 | | IPSW-07-111901 | 16 / 16 | N/A | 43700 |
| Chromium | 1.9 | | 5.7 | | IPSW-07-091002 | 11 / 16 | 2.2 - 4.3 | 3.1 |
| Cobalt | 0.85 | J | 1.9 | | IPSW-07-021502 | 3 / 16 | 0.7 - 2 | 0.64 |
| Copper | 3.5 | J | 7.6 | J | IPSW-07-062002 | 9 / 16 | 4.3 - 8.7 | 4.5 |
| Iron | 779 | J | 1800 | | IPSW-07-062002 | 16 / 16 | N/A | 1127 |
| Lead | 1.6 | J | 5.6 | | IPSW-07-062002 | 8 / 16 | 2.2 - 5.8 | 2.7 |
| Magnesium | 5790 | | 8510 | | IPSW-07-010402 | 16 / 16 | N/A | 7284 |
| Manganese | 227 | J | 591 | | IPSW-07-071602 | 16 / 16 | N/A | 348 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.14 | 0.053 |
| Nickel | 1.1 | J | 2.4 | J | IPSW-07-102201 | 12 / 16 | 1.4 - 2.8 | 1.4 |
| Potassium | 4180 | J | 6950 | | IPSW-07-021502 | 16 / 16 | N/A | 5738 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 56000 | | 138000 | J | IPSW-07-021502 | 16 / 16 | N/A | 83238 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | 0.71 | J | 1.2 | | IPSW-07-050802 | 3 / 16 | 0.6 - 1.7 | 0.61 |
| Zinc | 26 | | 83.9 | | IPSW-07-121701 | 16 / 16 | N/A | 51 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 19.6 - 74.4 | 25 |
| Antimony | | | | | | 0 / 16 | 1.5 - 4 | 1.2 |
| Arsenic | 1.5 | J | 4.5 | J | IPSW-07-071401FT | 6 / 16 | 1.3 - 4.7 | 2.0 |
| Barium | 31.5 | J | 41.8 | J | IPSW-07-010402FT | 16 / 16 | N/A | 37 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.75 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.8 | 0.19 |
| Calcium | 36100 | | 49600 | | IPSW-07-010402FT | 16 / 16 | N/A | 43256 |
| Chromium | 0.66 | J | 2 | | IPSW-07-091801FT | 9 / 16 | 0.6 - 2.5 | 0.90 |
| Cobalt | 0.7 | J | 0.82 | J | IPSW-07-021502FT | 2 / 16 | 0.44 - 2 | 0.49 |
| Copper | 0.93 | J | 4.9 | | IPSW-07-102201FT | 8 / 16 | 2.6 - 6.4 | 2.5 |
| Iron | 143 | | 699 | | IPSW-07-071401FT | 11 / 16 | 15.6 - 163 | 247 |
| Lead | | | | | | 0 / 16 | 0.7 - 2.5 | 0.77 |
| Magnesium | 6030 | | 8720 | | IPSW-07-010402FT | 16 / 16 | N/A | 7222 |
| Manganese | 188 | | 531 | | IPSW-07-071602FT | 16 / 16 | N/A | 313 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.15 | 0.053 |
| Nickel | 1.2 | J | 2.2 | J | IPSW-07-102201FT | 12 / 16 | 1 - 3 | 1.4 |
| Potassium | 4420 | J | 7150 | | IPSW-07-021502FT | 16 / 16 | N/A | 5709 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 58400 | | 142000 | J | IPSW-07-021502FT | 16 / 16 | N/A | 82675 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.9 |
| Vanadium | 0.57 | J | 0.57 | J | IPSW-07-050802FT | 1 / 16 | 0.4 - 1.7 | 0.39 |
| Zinc | 14.7 | J | 76.8 | | IPSW-07-121701FT | 16 / 16 | N/A | 43 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-225**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 08 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 119.5 | | 259.175 | J | IPSW-08-111901 | 3 / 16 | 43.6 - 129 | 65 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 2.45 | J | 6.55 | J | IPSW-08-121701 | 11 / 16 | 3 - 8.3 | 4.1 |
| Barium | 38.65 | | 62.9 | | IPSW-08-091002 | 16 / 16 | N/A | 49 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.73 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.67 | 0.18 |
| Calcium | 31300 | | 48700 | | IPSW-08-111901 | 16 / 16 | N/A | 40191 |
| Chromium | 1.4 | J | 4.6 | J | IPSW-08-111901 | 12 / 16 | 1.9 - 4.6 | 2.0 |
| Cobalt | 0.545 | J | 1.775 | J | IPSW-08-021502 | 3 / 16 | 0.4 - 2 | 0.54 |
| Copper | 2.25 | J | 21.1 | J | IPSW-08-062002 | 8 / 16 | 2.3 - 10.2 | 4.7 |
| Iron | 595.5 | | 1567 | J | IPSW-08-111901 | 16 / 16 | N/A | 980 |
| Lead | 1.8 | J | 10.3 | J | IPSW-08-111901 | 8 / 16 | 1.5 - 8 | 2.9 |
| Magnesium | 5350 | | 8395 | | IPSW-08-111901 | 16 / 16 | N/A | 6794 |
| Manganese | 147 | | 425 | | IPSW-08-071602 | 16 / 16 | N/A | 257 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.17 | 0.053 |
| Nickel | 0.59 | J | 1.7 | J | IPSW-08-041702 | 10 / 16 | 1 - 2.6 | 1.1 |
| Potassium | 3960 | J | 7195 | | IPSW-08-021502 | 16 / 16 | N/A | 5308 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 58950 | | 141000 | J | IPSW-08-021502 | 16 / 16 | N/A | 80103 |
| Thallium | 5.2 | | 5.2 | | IPSW-08-010402 | 1 / 16 | 2.2 - 6 | 2.0 |
| Vanadium | 0.52 | J | 1.3 | | IPSW-08-050802 | 6 / 16 | 0.65 - 1.7 | 0.66 |
| Zinc | 8 | J | 64.2 | J | IPSW-08-021502 | 16 / 16 | N/A | 35 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 19.6 - 74.2 | 24 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 1.6 | J | 3.25 | | IPSW-08-041702FT | 6 / 16 | 1.3 - 5 | 1.7 |
| Barium | 36.75 | | 63.05 | | IPSW-08-091002FT | 16 / 16 | N/A | 47 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.74 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.77 | 0.18 |
| Calcium | 30100 | | 47950 | | IPSW-08-111901FT | 16 / 16 | N/A | 39753 |
| Chromium | 0.46 | J | 1.65 | J | IPSW-08-102201FT | 6 / 16 | 0.5 - 2.1 | 0.66 |
| Cobalt | 0.645 | J | 1.475 | J | IPSW-08-021502FT | 3 / 16 | 0.4 - 2 | 0.53 |
| Copper | 2.25 | J | 12.4 | | IPSW-08-062002FT | 7 / 16 | 0.6 - 7.1 | 3.0 |
| Iron | 186.5 | | 568 | | IPSW-08-071401FT | 12 / 16 | 8.7 - 104 | 219 |
| Lead | | | | | | 0 / 16 | 0.7 - 2.2 | 0.76 |
| Magnesium | 5050 | | 8260 | | IPSW-08-111901FT | 16 / 16 | N/A | 6730 |
| Manganese | 113.5 | J | 407 | | IPSW-08-071602FT | 16 / 16 | N/A | 230 |
| Mercury | 0.1 | J | 0.1 | J | IPSW-08-102201FT | 1 / 16 | 0.1 - 0.15 | 0.056 |
| Nickel | 0.545 | J | 2 | J | IPSW-08-102201FT | 9 / 16 | 0.9 - 2.6 | 1.1 |
| Potassium | 3810 | J | 7160 | | IPSW-08-021502FT | 16 / 16 | N/A | 5256 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 59550 | | 140000 | J | IPSW-08-021502FT | 16 / 16 | N/A | 79463 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | 0.46 | J | 0.46 | J | IPSW-08-091801FT | 1 / 16 | 0.4 - 1.7 | 0.37 |
| Zinc | 4.95 | J | 58.35 | J | IPSW-08-021502FT | 15 / 16 | 13 | 27 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-226**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 09 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 19.6 - 107 | 27 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 1.5 | J | 3.8 | | IPSW-09-080602 | 5 / 16 | 1.7 - 6.3 | 1.8 |
| Barium | 31.6 | J | 42.3 | J | IPSW-09-010402 | 16 / 16 | N/A | 35 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.86 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.69 | 0.18 |
| Calcium | 23000 | | 35400 | | IPSW-09-041702 | 16 / 16 | N/A | 29463 |
| Chromium | 0.5 | J | 1.1 | J | IPSW-09-091801 | 4 / 16 | 0.6 - 2 | 0.54 |
| Cobalt | 1.2 | J | 1.2 | J | IPSW-09-071401 | 1 / 16 | 0.4 - 2 | 0.46 |
| Copper | 1.8 | J | 6.2 | J | IPSW-09-062002 | 6 / 16 | 2 - 7.6 | 2.6 |
| Iron | 75.5 | J | 315 | | IPSW-09-071401 | 11 / 16 | 48.1 - 234 | 132 |
| Lead | | | | | | 0 / 16 | 0.7 - 3.2 | 0.82 |
| Magnesium | 3890 | | 5820 | | IPSW-09-041702 | 16 / 16 | N/A | 5016 |
| Manganese | 15.7 | | 162 | | IPSW-09-031202 | 16 / 16 | N/A | 58 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.15 | 0.053 |
| Nickel | 0.72 | J | 1.6 | J | IPSW-09-102201 | 4 / 16 | 0.7 - 2.4 | 0.80 |
| Potassium | 3250 | J | 5990 | | IPSW-09-021502 | 16 / 16 | N/A | 4313 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 49900 | | 122000 | | IPSW-09-031202 | 16 / 16 | N/A | 75788 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | 1.6 | | 1.6 | | IPSW-09-071401 | 1 / 16 | 0.4 - 1.7 | 0.49 |
| Zinc | 2.5 | J | 33.3 | J | IPSW-09-031202 | 11 / 16 | 0.7 - 8.6 | 11 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 19.6 - 82.2 | 25 |
| Antimony | 1.8 | J | 1.8 | J | IPSW-09-071602FT | 1 / 16 | 1.5 - 4 | 1.3 |
| Arsenic | 1.8 | J | 4.9 | | IPSW-09-080602FT | 4 / 16 | 1.7 - 5.2 | 1.7 |
| Barium | 28.5 | | 39.7 | | IPSW-09-121701FT | 15 / 16 | 35.6 | 33 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.75 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.47 | 0.17 |
| Calcium | 23000 | | 35200 | | IPSW-09-041702FT | 16 / 16 | N/A | 29031 |
| Chromium | 0.98 | J | 1.2 | J | IPSW-09-071401FT | 2 / 16 | 0.5 - 1.5 | 0.49 |
| Cobalt | 1.3 | J | 1.6 | | IPSW-09-021502FT | 2 / 16 | 0.4 - 2 | 0.54 |
| Copper | 2 | J | 5.9 | | IPSW-09-062002FT | 7 / 16 | 2 - 5.2 | 2.5 |
| Iron | | | | | | 0 / 16 | 9.5 - 205 | 17 |
| Lead | | | | | | 0 / 16 | 0.7 - 2.2 | 0.76 |
| Magnesium | 3810 | | 5790 | | IPSW-09-041702FT | 16 / 16 | N/A | 4945 |
| Manganese | 1.3 | | 78.8 | | IPSW-09-031202FT | 10 / 16 | 1.2 - 4.7 | 19 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.43 | 0.062 |
| Nickel | 0.94 | J | 2.7 | J | IPSW-09-071401FT | 3 / 16 | 0.7 - 1.9 | 0.83 |
| Potassium | 3290 | J | 6300 | | IPSW-09-021502FT | 16 / 16 | N/A | 4251 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 49800 | | 122000 | J | IPSW-09-021502FT | 16 / 16 | N/A | 74931 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | 0.48 | J | 2 | | IPSW-09-071401FT | 2 / 16 | 0.4 - 1.7 | 0.50 |
| Zinc | 1.6 | J | 29.8 | J | IPSW-09-021502FT | 11 / 16 | 0.7 - 10.3 | 8.5 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-227**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 10 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 60.6 | J | 60.6 | J | IPSW-10-071401 | 1 / 16 | 37.2 - 200 | 43 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 2.4 | J | 3.2 | | IPSW-10-041702 | 2 / 16 | 1.2 - 5.8 | 1.4 |
| Barium | 34.5 | | 52.7 | J | IPSW-10-010402 | 16 / 16 | N/A | 42 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.63 | 0.17 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.92 | 0.19 |
| Calcium | 24200 | | 35500 | | IPSW-10-041702 | 16 / 16 | N/A | 30581 |
| Chromium | 0.66 | J | 1.6 | | IPSW-10-041702 | 9 / 16 | 0.6 - 3.2 | 1.0 |
| Cobalt | 0.74 | J | 0.74 | J | IPSW-10-021502 | 1 / 16 | 0.4 - 2 | 0.44 |
| Copper | 1.7 | J | 3.4 | J | IPSW-10-062002 | 6 / 16 | 1.8 - 6.5 | 2.2 |
| Iron | 107 | J | 521 | J | IPSW-10-041702 | 11 / 16 | 60 - 228 | 183 |
| Lead | | | | | | 0 / 16 | 0.7 - 3.9 | 0.95 |
| Magnesium | 4610 | | 7590 | | IPSW-10-010402 | 16 / 16 | N/A | 6177 |
| Manganese | 12.9 | | 244 | J | IPSW-10-010402 | 16 / 16 | N/A | 95 |
| Mercury | 0.36 | | 0.36 | | IPSW-10-102502 | 1 / 16 | 0.1 - 0.15 | 0.072 |
| Nickel | 0.85 | J | 1.8 | | IPSW-10-041702 | 4 / 16 | 0.9 - 2.4 | 0.82 |
| Potassium | 3540 | J | 6130 | | IPSW-10-021502 | 16 / 16 | N/A | 4581 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 54400 | | 125000 | | IPSW-10-031202 | 16 / 16 | N/A | 82150 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | | | | | | 0 / 16 | 0.4 - 1.7 | 0.42 |
| Zinc | 0.73 | J | 172 | | IPSW-10-031202 | 12 / 16 | 0.7 - 8.3 | 17 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 16 | 19.6 - 91.2 | 26 |
| Antimony | | | | | | 0 / 16 | 1.2 - 4 | 1.2 |
| Arsenic | 1.5 | J | 3.9 | J | IPSW-10-121701FT | 3 / 16 | 1.2 - 4.2 | 1.4 |
| Barium | 30.6 | | 43.6 | J | IPSW-10-010402FT | 16 / 16 | N/A | 38 |
| Beryllium | | | | | | 0 / 16 | 0.2 - 0.61 | 0.16 |
| Cadmium | | | | | | 0 / 16 | 0.2 - 0.68 | 0.18 |
| Calcium | 24100 | | 33400 | | IPSW-10-050802FT | 16 / 16 | N/A | 29431 |
| Chromium | 0.5 | J | 1.4 | J | IPSW-10-071401FT | 6 / 16 | 0.5 - 2 | 0.66 |
| Cobalt | | | | | | 0 / 16 | 0.4 - 2 | 0.40 |
| Copper | 1.1 | J | 8.6 | | IPSW-10-102201FT | 6 / 16 | 1.5 - 5 | 2.4 |
| Iron | 20.1 | J | 20.1 | J | IPSW-10-082301FT | 1 / 16 | 8.7 - 143 | 16 |
| Lead | | | | | | 0 / 16 | 0.7 - 2.2 | 0.77 |
| Magnesium | 4490 | | 7130 | | IPSW-10-121701FT | 16 / 16 | N/A | 5926 |
| Manganese | 1.5 | | 164 | | IPSW-10-021502FT | 14 / 16 | 1.1 - 2.3 | 40 |
| Mercury | | | | | | 0 / 16 | 0.1 - 0.16 | 0.053 |
| Nickel | 0.93 | J | 1.7 | J | IPSW-10-071401FT | 3 / 16 | 0.7 - 2.2 | 0.75 |
| Potassium | 3280 | J | 6020 | | IPSW-10-021502FT | 16 / 16 | N/A | 4373 |
| Selenium | | | | | | 0 / 16 | 1.9 - 4.8 | 1.6 |
| Silver | | | | | | 0 / 16 | 0.5 - 1 | 0.35 |
| Sodium | 51000 | | 118000 | J | IPSW-10-021502FT | 16 / 16 | N/A | 79044 |
| Thallium | | | | | | 0 / 16 | 2.2 - 6 | 1.8 |
| Vanadium | | | | | | 0 / 16 | 0.4 - 1.7 | 0.39 |
| Zinc | 1.2 | J | 71.4 | | IPSW-10-091801FT | 7 / 16 | 0.7 - 10.5 | 7.9 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-228**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-05-010402 | IPSW-05-021502 | IPSW-05-031202 | IPSW-05-041702 | IPSW-05-050802 | IPSW-05-062002 | IPSW-05-071401 | IPSW-05-071602 | IPSW-05-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Aluminum | 98.2 J | 197 U | 57.3 UJ | 125 U | 91 U | 166 U | 99.7 | 199 U | 174 U |
| Arsenic | 19.5 | 14.2 | 9.1 | 15.8 | 13 | 23.9 | 21.8 | 28 | 24.1 |
| Barium | 43.4 J | 39.2 | 33.9 | 36.6 | 29.9 | 42 | 41 | 46.7 | 37.4 |
| Calcium | 51100 | 46800 | 42000 | 41600 | 43500 | 40600 | 39600 | 54500 | 47000 |
| Chromium | 8.8 UJ | 4.9 | 2.4 | 6.6 | 4.9 | 11.2 | 5.7 U | 14.2 | 8.5 |
| Cobalt | 3.3 U | 2.1 | 2 U | 0.94 J | 1.5 U | 1.6 | 1.6 | 1.4 U | 1.1 U |
| Copper | 10.7 U | 6.9 J | 5.8 U | 6.2 | 6.2 J | 8.7 J | 5.6 U | 9 U | 3.9 J |
| Iron | 2710 | 2040 | 1460 | 1940 J | 2170 | 3460 | 2880 | 3020 | 1950 |
| Lead | 6.2 UJ | 3.8 | 1.8 J | 3.8 J | 2.3 U | 4.7 | 2.6 J | 6.2 | 4.4 |
| Magnesium | 8820 | 7480 | 7000 | 6650 | 7070 | 6550 | 6650 | 8990 | 7740 |
| Manganese | 641 J | 488 | 325 | 386 | 464 | 643 | 519 | 764 | 539 |
| Mercury | 0.1 U | 0.1 U | 0.1 UJ | 0.1 U | 0.15 UJ | 0.1 UJ | 0.1 J | 0.1 U | 0.1 U |
| Nickel | 3.5 U | 1.3 U | 1.6 J | 1.7 J | 1.9 U | 2.2 | 1.4 U | 1.5 | 1.2 J |
| Potassium | 7180 J | 7810 | 5640 J | 6360 | 6270 | 6270 J | 4860 J | 6840 J | 5500 J |
| Sodium | 79400 | 128000 J | 96800 | 76500 | 77300 | 70400 | 61200 | 82400 | 65600 |
| Vanadium | 1.7 UJ | 0.98 J | 1.7 U | 0.86 U | 0.7 J | 1.1 U | 1.1 J | 1.2 U | 1.5 U |
| Zinc | 103 | 100 J | 76.5 | 59.9 J | 54.9 J | 67.8 J | 37.6 | 45.2 J | 23.6 J |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Arsenic | 7.7 | 4.7 J | 4.6 | 6.4 U | 6.1 | 7.2 U | 11.4 J | 3.8 | 4.4 |
| Barium | 42.8 J | 35.8 | 31.4 | 27.7 | 29.7 | 41.3 | 37.6 | 44.3 | 34.5 |
| Calcium | 52600 | 45500 | 40000 | 41500 | 46200 | 40800 | 38000 | 54800 | 45800 |
| Chromium | 3.6 UJ | 0.6 U | 1.1 J | 0.93 J | 1.1 U | 1.9 | 2 | 2 | 1.3 |
| Cobalt | 2.6 U | 1.4 J | 2 U | 0.86 J | 1 UJ | 1.5 | 0.8 J | 1.2 U | 0.71 UJ |
| Copper | 6 U | 4.3 U | 3.1 UJ | 2.2 UJ | 2.9 J | 2.4 | 2.4 J | 2.3 U | 0.6 UJ |
| Iron | 830 | 489 | 659 | 511 | 865 | 927 | 1480 | 23.8 U | 8.9 UJ |
| Lead | 2.7 UJ | 1.8 U | 1.6 U | 1.6 J | 1.1 U | 1.1 U | 1.8 UJ | 0.7 U | 0.7 U |
| Magnesium | 9030 | 7300 | 6670 | 6620 | 7500 | 6620 | 6250 | 9030 | 7520 |
| Manganese | 651 J | 466 | 308 | 373 | 486 | 644 | 491 | 750 | 518 |
| Nickel | 3.5 U | 1.3 U | 1.6 J | 1.9 | 1.6 UJ | 0.9 U | 2.1 J | 1.3 J | 1.4 |
| Potassium | 7390 J | 7690 | 5350 | 6310 | 6670 | 6330 J | 4840 J | 6850 J | 5330 |
| Selenium | 4.8 U | 4.6 U | 1.9 UJ | 2.1 U | 2.1 U | 2.7 J | 2.8 UJ | 2.9 UJ | 2.9 UJ |
| Sodium | 81100 | 123000 J | 91800 | 76100 | 82300 | 70000 | 59800 | 82900 | 64400 |
| Zinc | 92.2 | 80 J | 74.8 | 34 J | 41.4 | 31.4 J | 25.4 | 11 J | 3.9 J |

**TABLE 2-228**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 05 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-05-082301 | IPSW-05-091002 | IPSW-05-091801 | IPSW-05-102201 | IPSW-05-102502 | IPSW-05-111901 | IPSW-05-121701 | SW-MC-13-0 |
|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | |
| Aluminum | 66 J | 119 U | 54.4 UJ | 77.7 UJ | 94.3 UJ | 203 U | 172 U | 62.2 J |
| Arsenic | 26.1 | 23.8 | 19.1 | 19.7 | 14.3 | 23.8 | 24.8 | 26.7 J |
| Barium | 34.6 J | 45.7 | 36.7 | 32 | 33.7 | 33.9 J | 38.3 | 43.4 |
| Calcium | 44000 | 55200 | 54500 | 51500 | 41900 | 58400 | 50200 | 52400 |
| Chromium | 6.7 | 8.9 | 6 | 5.2 | 6.2 | 12.3 | 9.4 | 10.6 J |
| Cobalt | 0.7 UJ | 1.6 U | 1.2 J | 1.2 J | 2.2 | 1.2 J | 1 UJ | 3 U |
| Copper | 7.1 U | 6.1 | 4.5 U | 5 | 5.1 | 6.7 | 5.6 | 2.8 J |
| Iron | 2460 J | 2440 | 2270 | 2230 | 2150 | 3050 J | 2930 J | 2710 |
| Lead | 4 | 2.9 U | 2.8 UJ | 3.3 | 2.4 U | 5.8 J | 4.9 | 1.4 J |
| Magnesium | 7440 | 8910 | 9180 | 8220 | 6870 | 9240 | 8600 | 8600 |
| Manganese | 462 | 662 | 590 | 543 | 590 | 575 J | 604 | 749 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.16 UJ | 0.1 U | 0.04 U |
| Nickel | 1.5 J | 2.6 U | 2.1 | 2 J | 2.1 | 2.2 J | 2.4 J | 2.7 J |
| Potassium | 5810 J | 5730 J | 7080 J | 6640 J | 5210 J | 6970 J | 7750 J | NA |
| Sodium | 66800 | 71800 | 73300 | 65200 J | 55800 | 68300 | 103000 | NA |
| Vanadium | 0.6 UJ | 1.2 U | 0.78 J | 0.9 U | 0.95 UJ | 1 J | 0.9 UJ | 5.4 J |
| Zinc | 29 | 41.4 J | 39.1 | 74 | 65.9 | 67.4 | 153 | 38.5 J |
| Dissolved Metals (ug/L) | | | | | | | | |
| Arsenic | 13 U | 5.2 U | 4.3 | 7.2 | 4.1 J | 5.7 J | 10.2 | 5 |
| Barium | 30.9 J | 44.4 | 35.1 J | 31 | 32.3 | 30.7 J | 35.3 | 38 |
| Calcium | 42100 | 54800 | 54400 | 52700 | 41500 | 58100 | 49800 | 54000 |
| Chromium | 1.7 J | 1.4 U | 2.2 | 2.1 | 1.3 J | 1.6 UJ | 2.1 U | 10 U |
| Cobalt | 0.7 UJ | 1.1 U | 1 J | 1.6 J | 2.1 | 1.4 J | 1 UJ | 3 U |
| Copper | 2.9 UJ | 1.7 U | 4.4 U | 4 | 1.5 U | 2 U | 2 U | 2 U |
| Iron | 522 | 8.7 U | 254 | 373 | 657 | 134 | 660 | 230 |
| Lead | 1.8 U | 0.7 U | 1.8 U | 2.2 U | 1.2 U | 2.2 U | 2.2 U | 1 U |
| Magnesium | 7060 | 8810 | 9200 | 8710 | 6810 | 9280 | 8510 | 8800 |
| Manganese | 430 | 652 | 585 | 549 | 580 | 559 J | 594 | 770 |
| Nickel | 1.8 J | 2 U | 2.1 | 2.3 J | 1.6 J | 2.1 J | 2.1 J | 2 U |
| Potassium | 5650 J | 5650 | 7150 J | 6860 J | 5190 J | 6950 J | 7690 J | NA |
| Selenium | 2.8 U | 2.9 UJ | 2.8 U | 4.8 U | 3 U | 4.8 U | 4.8 U | 2 U |
| Sodium | 64200 | 71200 | 74900 | 68200 J | 55000 | 68200 | 101000 | NA |
| Zinc | 5.7 J | 25.1 UJ | 20.5 J | 44.9 | 53.3 | 30.9 | 121 | 21 |

**TABLE 2-229**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 06 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-06-010402 | IPSW-06-021502 | IPSW-06-031202 | IPSW-06-041702 | IPSW-06-050802 | IPSW-06-062002 | IPSW-06-071401 | IPSW-06-071602 | IPSW-06-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Aluminum | 55 U | 97.7 UJ | 44 U | 19.6 U | 64.4 U | 83.8 U | 65.8 J | 92.6 UJ | 116 U |
| Arsenic | 10 | 9.2 | 5.5 | 3.8 | 6.6 | 14.8 | 14.7 | 13.3 | 11.2 |
| Barium | 43 J | 41.7 | 34.6 | 42.2 | 35.4 | 39.5 | 40.4 | 42.8 | 35.2 |
| Calcium | 51800 | 47400 | 38900 | 46400 | 45500 | 40300 | 39200 | 52000 | 44000 |
| Chromium | 5.4 UJ | 2.6 | 2 | 0.51 J | 2.7 U | 4.7 | 4.7 U | 4.9 | 3 |
| Cobalt | 2.5 U | 1.3 J | 2 U | 0.7 U | 0.82 UJ | 1 J | 1.1 J | 1.2 U | 0.79 UJ |
| Copper | 9.6 U | 5 J | 5.6 U | 3.5 U | 5 J | 5.6 J | 5.2 U | 4.8 U | 1.9 J |
| Iron | 1520 | 1310 | 982 | 359 J | 1350 | 2180 | 2050 | 1510 | 1010 |
| Lead | 4.5 UJ | 1.8 J | 1.6 U | 1.4 UJ | 1.9 UJ | 3.4 | 3 | 2.6 U | 1.6 U |
| Magnesium | 9240 | 7830 | 6660 | 7530 | 7500 | 6650 | 6690 | 8990 | 7580 |
| Manganese | 628 J | 420 | 271 | 307 | 370 | 556 | 494 | 757 | 553 |
| Nickel | 2.5 UJ | 1.4 J | 1.2 J | 1.8 | 1.5 UJ | 1.4 J | 1.6 J | 0.8 J | 1.2 J |
| Potassium | 6710 J | 7350 | 5110 J | 6240 | 6160 | 5770 J | 4660 J | 6110 J | 5030 J |
| Sodium | 89500 | 139000 J | 101000 | 100000 | 93100 | 80100 | 67500 | 84200 | 63100 |
| Vanadium | 1.2 UJ | 0.8 U | 1.7 U | 0.4 U | 0.73 J | 0.87 U | 0.77 J | 0.64 UJ | 0.86 U |
| Zinc | 85.9 | 82.1 J | 60.8 | 37 J | 49.6 J | 69.1 J | 35.8 | 33.3 J | 26.3 J |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Arsenic | 3 U | 2.9 J | 2.1 J | 4 U | 4 | 2.6 UJ | 7.1 J | 1.3 U | 2.8 |
| Barium | 42.2 J | 40 | 35 | 35.4 | 34.6 | 40.3 | 36.3 | 41.5 | 33.4 |
| Calcium | 49200 | 48000 | 41400 | 42500 | 45700 | 41800 | 37000 | 52200 | 43000 |
| Chromium | 3.3 UJ | 0.6 U | 1.4 J | 1 | 1.4 U | 1.7 | 2 | 1.2 J | 1 J |
| Cobalt | 2.5 U | 1.3 J | 2 U | 1.2 J | 0.7 U | 1.2 J | 0.75 J | 1.3 U | 0.82 U |
| Copper | 5.6 U | 4.3 U | 3.7 U | 3.1 UJ | 3.5 J | 2.4 | 2.7 J | 3.6 U | 0.68 J |
| Iron | 254 U | 277 | 431 | 320 | 500 | 588 | 961 | 27.6 U | 9.8 UJ |
| Magnesium | 8840 | 7880 | 7100 | 6930 | 7530 | 6880 | 6210 | 8980 | 7410 |
| Manganese | 539 J | 431 | 277 | 315 | 355 | 563 | 442 | 749 | 532 |
| Mercury | 0.1 U | 0.1 U | 0.1 UJ | 0.1 U | 0.14 UJ | 0.1 UJ | 0.13 J | 0.1 U | 0.17 J |
| Nickel | 3.4 U | 1.3 U | 1.9 J | 1.9 | 1.8 | 0.9 U | 2.2 J | 1 J | 1.2 J |
| Potassium | 6540 J | 7660 | 5260 | 6090 | 6190 | 6020 J | 4430 J | 6090 J | 4890 |
| Selenium | 4.8 U | 4.6 U | 1.9 J | 2.1 U | 2.1 U | 2.1 U | 2.8 UJ | 2.9 UJ | 2.9 UJ |
| Sodium | 85400 | 144000 J | 102000 | 90000 | 93500 | 82400 | 64400 | 85700 | 61700 |
| Thallium | 5.2 U | 6 U | 3 UJ | 2.2 U | 2.2 U | 2.2 U | 4.1 UJ | 2.6 U | 2.6 U |
| Vanadium | 1.2 UJ | 0.8 U | 1.7 U | 0.4 U | 0.4 U | 0.4 U | 0.64 J | 0.4 U | 0.58 UJ |
| Zinc | 73.8 | 73.2 J | 58.4 J | 43.5 J | 42.7 | 34.9 J | 25 | 22 J | 19.7 J |

**TABLE 2-229**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 06 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-06-082301 | IPSW-06-091002 | IPSW-06-091801 | IPSW-06-102201 | IPSW-06-102502 | IPSW-06-111901 | IPSW-06-121701 |
|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | |
| Aluminum | 43.6 U | 75.8 UJ | 43.6 U | 363 | 56.7 U | 362 U | 65.8 UJ |
| Arsenic | 15 | 8.4 | 10.1 | 18.9 | 7.6 | 18 | 11.2 |
| Barium | 35.5 J | 40.8 | 34.3 | 37.3 | 31.7 | 33.6 J | 35.6 |
| Calcium | 45400 | 50300 | 48600 | 48300 | 39200 | 52100 | 46400 |
| Chromium | 3 | 3.5 | 3.2 | 13.4 | 1.9 | 17.3 | 3 U |
| Cobalt | 0.7 UJ | 0.75 UJ | 0.7 U | 1.7 J | 1.4 | 1.3 J | 1 UJ |
| Copper | 4.7 U | 4.7 U | 4.6 U | 14.7 | 3.1 | 13.8 | 3.6 J |
| Iron | 1400 J | 1110 | 1080 | 2600 | 1090 | 2560 J | 1300 J |
| Lead | 1.8 U | 2.4 U | 1.8 U | 14.7 | 1.4 UJ | 17.4 J | 2.2 U |
| Magnesium | 7780 | 8740 | 8530 | 8130 | 6730 | 8980 | 7880 |
| Manganese | 388 | 617 | 367 | 539 | 424 | 479 J | 442 |
| Nickel | 1.4 J | 1.6 U | 1.8 | 1.8 J | 1.6 J | 2.2 J | 2 J |
| Potassium | 5650 J | 5060 J | 6240 J | 6330 J | 4700 J | 6200 J | 6620 J |
| Sodium | 75600 | 68800 | 70400 | 66800 J | 57600 | 68800 | 83600 |
| Vanadium | 0.6 UJ | 0.69 UJ | 0.67 J | 1.6 J | 0.7 U | 1.7 J | 0.9 UJ |
| Zinc | 27.3 | 47.3 J | 34.7 | 102 | 51.9 | 87.4 | 105 |
| Dissolved Metals (ug/L) | | | | | | | |
| Arsenic | 8 U | 1.6 UJ | 2.9 | 3 U | 3.3 J | 3 U | 4.3 J |
| Barium | 34.7 J | 40.6 | 33.9 J | 32.8 | 32.8 | 29 J | 35.8 |
| Calcium | 45200 | 51900 | 50100 | 48000 | 40600 | 51500 | 47700 |
| Chromium | 1.4 J | 1.1 UJ | 2 | 1.9 | 1.6 | 1.7 UJ | 1.4 U |
| Cobalt | 0.7 UJ | 0.86 U | 0.8 J | 1 U | 1.2 J | 1 U | 1 UJ |
| Copper | 3.2 U | 3.1 U | 4.8 U | 3.5 J | 1.8 J | 2.4 J | 2 U |
| Iron | 355 | 8.7 U | 140 U | 355 | 375 | 110 | 190 J |
| Magnesium | 7770 | 8980 | 8800 | 8320 | 6980 | 8900 | 8230 |
| Manganese | 377 | 627 | 363 | 439 | 436 | 376 J | 450 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.13 UJ | 0.16 J |
| Nickel | 1.4 U | 1.8 U | 1.6 | 2 J | 1.8 J | 1.5 U | 1.8 J |
| Potassium | 5640 J | 5210 | 6450 J | 6380 J | 4910 J | 6260 J | 6850 J |
| Selenium | 2.8 U | 2.9 UJ | 2.8 U | 4.8 U | 3 U | 4.8 U | 4.8 U |
| Sodium | 75500 | 71000 | 72300 | 67900 J | 58800 | 68900 | 86200 |
| Thallium | 4.1 U | 2.6 U | 4.1 U | 5.2 U | 3.6 | 5.2 U | 5.2 U |
| Vanadium | 0.6 UJ | 0.4 U | 0.6 U | 0.9 U | 0.7 U | 0.9 U | 0.9 UJ |
| Zinc | 20.4 J | 38.9 J | 41.8 | 36.3 | 52.7 | 36.1 | 102 |

**TABLE 2-230**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 07 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-07-010402 | IPSW-07-021502 | IPSW-07-031202 | IPSW-07-041702 | IPSW-07-050802 | IPSW-07-062002 | IPSW-07-071401 | IPSW-07-071602 | IPSW-07-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Aluminum | 55 U | 214 U | 45.9 UJ | 102 U | 111 | 151 U | 87.9 | 78.5 UJ | 216 U |
| Arsenic | 5.7 J | 6.6 | 4.1 | 7.5 | 6.1 | 10.5 U | 9.4 UJ | 6.5 | 8.3 |
| Barium | 41 J | 41.9 | 38.3 | 42.8 | 39.3 | 42.6 | 40.7 | 42.7 | 37.6 |
| Calcium | 48500 | 45000 | 40500 | 46800 | 44700 | 42000 | 37200 | 48400 | 40100 |
| Chromium | 4.3 UJ | 4.1 | 1.9 | 2.9 | 3 U | 5.2 | 3.5 U | 3.1 | 4.3 |
| Cobalt | 1.8 UJ | 1.9 | 2 U | 0.85 J | 0.88 UJ | 0.86 J | 0.7 U | 0.97 U | 0.87 U |
| Copper | 8.7 U | 4.3 U | 6.8 U | 7.4 | 6 J | 7.6 J | 5.1 U | 6 U | 4.3 J |
| Iron | 1080 | 1200 | 887 | 1210 J | 1240 | 1800 | 1460 | 1130 | 1180 |
| Lead | 4 UJ | 5.1 | 1.6 J | 4.8 U | 3.4 U | 5.6 | 3.2 | 2.9 U | 4.8 |
| Magnesium | 8510 | 7420 | 6920 | 7630 | 7280 | 6820 | 6270 | 8100 | 6650 |
| Manganese | 415 J | 351 | 238 | 319 | 341 | 458 | 320 | 591 | 467 |
| Nickel | 2.8 UJ | 1.4 J | 1.4 J | 1.4 J | 1.9 U | 1.2 J | 1.4 U | 1.1 J | 1.8 |
| Potassium | 6180 J | 6950 | 5190 J | 6290 | 5930 | 6150 J | 4520 J | 5580 J | 4880 J |
| Sodium | 89400 | 138000 J | 105000 | 101000 | 96600 | 89600 | 68900 | 89300 | 63600 |
| Vanadium | 1.1 UJ | 0.8 U | 1.7 U | 1.1 U | 1.2 | 1.5 U | 0.71 J | 1.1 U | 1.3 U |
| Zinc | 67.8 | 80.6 J | 56.5 J | 51.1 J | 47.2 J | 55.4 J | 32.8 | 35.2 J | 33.2 J |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Arsenic | 3 U | 2.4 J | 1.7 U | 3.7 | 2.3 J | 3.4 UJ | 4.5 J | 1.3 U | 3.3 |
| Barium | 41.8 J | 40.2 | 35.3 | 41.7 | 36.5 | 37.2 | 37.6 | 39.9 | 34.8 |
| Calcium | 49600 | 45800 | 38400 | 46900 | 43300 | 38300 | 36400 | 46300 | 40600 |
| Chromium | 2.5 UJ | 0.6 U | 0.9 U | 0.66 J | 1.3 U | 0.94 J | 1.3 J | 1 J | 0.73 J |
| Cobalt | 1.9 UJ | 0.82 J | 2 U | 0.7 U | 0.77 UJ | 0.7 U | 0.7 U | 0.57 UJ | 0.44 UJ |
| Copper | 6.4 U | 4.3 U | 5.9 U | 3.8 UJ | 3 J | 3 | 2.6 J | 2.9 U | 0.93 J |
| Iron | 163 U | 249 | 331 | 371 | 394 | 396 | 699 | 22.9 U | 18 U |
| Magnesium | 8720 | 7560 | 6550 | 7620 | 7040 | 6320 | 6070 | 7770 | 6710 |
| Manganese | 420 J | 350 | 224 | 311 | 320 | 383 | 299 | 531 | 322 |
| Nickel | 3 U | 1.4 J | 1 U | 1.3 J | 1.9 U | 1.3 J | 1.8 J | 1.2 J | 1.3 J |
| Potassium | 6350 J | 7150 | 4920 | 6330 | 5730 | 5640 J | 4580 J | 5390 J | 4930 |
| Sodium | 90500 | 142000 J | 101000 | 102000 | 93600 | 81300 | 69000 | 84400 | 64400 |
| Vanadium | 0.97 UJ | 0.8 U | 1.7 U | 0.42 UJ | 0.57 J | 0.4 U | 0.6 U | 0.45 UJ | 0.64 UJ |
| Zinc | 59.8 | 64.4 J | 47.3 J | 37.4 J | 32.6 | 33.8 J | 22.9 | 58.9 J | 14.7 J |

**TABLE 2-230**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 07 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-07-082301 | IPSW-07-091002 | IPSW-07-091801 | IPSW-07-102201 | IPSW-07-102502 | IPSW-07-111901 | IPSW-07-121701 |
|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | |
| Aluminum | 43.6 U | 169 U | 72.2 UJ | 130 U | 126 U | 64.3 UJ | 91.2 UJ |
| Arsenic | 10.9 U | 7.9 U | 6.3 | 5.6 J | 4.8 J | 4.7 J | 5.3 J |
| Barium | 37.3 J | 40.5 | 39.2 | 38.5 | 31.5 | 32.8 J | 35.3 |
| Calcium | 40700 | 47300 | 44200 | 47700 | 34500 | 49900 | 41700 |
| Chromium | 2.6 | 5.7 | 5 | 3.6 | 3.1 | 2.2 U | 2.5 U |
| Cobalt | 0.7 UJ | 0.9 U | 0.7 U | 1 U | 0.7 U | 1 U | 1 UJ |
| Copper | 4.8 U | 6.7 | 7.6 U | 5.5 | 4.3 | 3.5 J | 5.1 |
| Iron | 1010 J | 1050 | 1020 | 951 | 978 | 779 J | 1060 J |
| Lead | 2.8 | 4.1 U | 5.8 U | 2.8 J | 3.3 U | 2.2 UJ | 2.5 J |
| Magnesium | 6820 | 7900 | 7420 | 7760 | 5790 | 8260 | 7000 |
| Manganese | 234 | 457 | 254 | 337 | 286 | 227 J | 265 |
| Nickel | 1.4 J | 1.7 U | 1.9 | 2.4 J | 1.7 J | 1.7 J | 1.8 J |
| Potassium | 5170 J | 4810 J | 6240 J | 6850 J | 4180 J | 6520 J | 6370 J |
| Sodium | 72200 | 72400 | 68000 | 70700 J | 56000 | 69900 | 81200 |
| Vanadium | 0.6 UJ | 1.2 U | 0.96 J | 0.9 U | 0.7 U | 0.9 U | 0.9 UJ |
| Zinc | 26 | 41.9 J | 54.3 | 60.2 | 49.4 | 39 | 83.9 |
| Dissolved Metals (ug/L) | | | | | | | |
| Arsenic | 4.7 U | 3.5 U | 1.5 J | 3 U | 3 U | 3 U | 3 U |
| Barium | 36.2 J | 40.1 | 35.1 J | 35.4 | 32 | 31.5 J | 33.7 |
| Calcium | 40700 | 48900 | 41800 | 46800 | 36100 | 49200 | 43000 |
| Chromium | 1 J | 0.85 UJ | 2 | 1.6 J | 0.98 J | 1.2 UJ | 1.1 U |
| Cobalt | 0.7 UJ | 0.58 UJ | 0.7 U | 1 U | 0.7 J | 1 U | 1 UJ |
| Copper | 6.1 U | 2.7 U | 2.6 U | 4.9 | 2 J | 2.7 J | 4 |
| Iron | 254 J | 15.6 UJ | 139 U | 243 | 373 | 143 | 316 J |
| Magnesium | 6840 | 8070 | 7020 | 7830 | 6030 | 8170 | 7230 |
| Manganese | 222 | 345 | 188 | 311 | 295 | 219 J | 269 |
| Nickel | 1.6 J | 1.4 U | 2.1 | 2.2 J | 1.4 J | 1.6 J | 1.8 J |
| Potassium | 5270 J | 4950 | 5960 J | 6600 J | 4420 J | 6590 J | 6540 J |
| Sodium | 73700 | 74400 | 64300 | 70300 J | 58400 | 69800 | 83700 |
| Vanadium | 0.6 UJ | 0.64 UJ | 0.6 U | 0.9 U | 0.7 U | 0.9 U | 0.9 UJ |
| Zinc | 19.2 J | 42 J | 42 | 51.3 | 41.1 | 38 | 76.8 |

**TABLE 2-231**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 08 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-08-010402 | IPSW-08-021502 | IPSW-08-031202 | IPSW-08-041702 | IPSW-08-050802 | IPSW-08-062002 | IPSW-08-071401 | IPSW-08-071602 | IPSW-08-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Aluminum | 119.5 | 121 UJ | 62.5 UJ | 65.7 U | 129 U | 102 U | 121 | 86.6 UJ | 108 UJ |
| Arsenic | 5.6 J | 5.3 J | 2.45 J | 5.65 | 3.35 J | 4.8 U | 8.3 UJ | 5.8 | 6.35 |
| Barium | 56.55 J | 47.85 | 38.65 | 44.5 | 41.4 | 43.3 | 41.3 | 54 | 49.7 |
| Calcium | 46800 | 45100 | 34650 | 42150 | 40150 | 36950 | 31300 | 46100 | 39050 |
| Chromium | 4.6 UJ | 1.9 | 1.7 J | 1.8 | 2.3 U | 2.75 | 3.2 U | 2.1 | 1.4 |
| Cobalt | 1.4 UJ | 1.775 J | 2 U | 0.7 U | 0.7 U | 0.545 J | 0.7 U | 0.61 UJ | 0.4 U |
| Copper | 10.2 U | 3.525 J | 6.9 U | 5.3 U | 5.75 J | 21.1 J | 7.4 U | 3.3 U | 2.25 J |
| Iron | 1060 | 949.5 | 760.5 | 1020 J | 1150 | 1185 | 1350 | 1050 | 595.5 |
| Lead | 8 UJ | 3.25 J | 2.8 J | 3.5 U | 4.1 U | 3.95 | 4.9 | 3.6 U | 1.7 U |
| Magnesium | 8155 | 7445 | 5945 | 6845 | 6525 | 5910 | 5350 | 7800 | 6815 |
| Manganese | 307.5 J | 305 | 191.5 | 261 | 266.5 | 277 | 217 | 425 | 186.5 |
| Nickel | 2.6 UJ | 1.55 J | 1 U | 1.7 J | 1.6 UJ | 1.05 J | 1.4 U | 1.1 J | 0.59 J |
| Potassium | 5770 J | 7195 | 4775 J | 6040 | 5665 | 5805 J | 3960 J | 5400 J | 4495 J |
| Sodium | 89100 | 141000 J | 96200 | 95850 | 90250 | 78000 | 61800 | 85300 | 67350 |
| Thallium | 5.2 | 6 U | 3 UJ | 2.2 U | 2.2 U | 2.2 U | 4.1 U | 2.6 U | 2.6 U |
| Vanadium | 1.4 UJ | 0.655 J | 1.7 U | 0.71 UJ | 1.3 | 0.99 U | 0.97 J | 1.3 U | 1.1 U |
| Zinc | 61.4 | 64.2 J | 37 J | 35 J | 27.95 J | 33.2 J | 24.2 J | 16.1 J | 8 J |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Arsenic | 3 U | 2.4 U | 1.7 U | 3.25 | 1.6 J | 2.1 UJ | 2.6 J | 1.3 U | 2.1 J |
| Barium | 52.35 J | 46.05 | 36.75 | 42.95 | 39.9 | 37.7 | 38.2 | 52.6 | 48.3 |
| Calcium | 46650 | 44650 | 34750 | 41850 | 39850 | 33550 | 30100 | 45600 | 38650 |
| Chromium | 2.1 UJ | 0.6 U | 0.9 U | 0.5 U | 0.79 UJ | 0.5 U | 1 U | 0.66 J | 0.46 J |
| Cobalt | 1.5 UJ | 1.475 J | 2 U | 0.645 J | 0.7 U | 0.7 U | 0.7 U | 0.57 UJ | 0.4 U |
| Copper | 7.1 U | 4.3 U | 5.3 U | 3.2 UJ | 3 J | 12.4 | 3.9 | 1.9 U | 0.6 UJ |
| Iron | 104 U | 209.5 | 227 | 378.5 | 311.5 | 272 | 568 | 21.6 U | 20.6 U |
| Magnesium | 8160 | 7350 | 5925 | 6785 | 6455 | 5405 | 5050 | 7700 | 6740 |
| Manganese | 286 J | 298 | 177.5 | 251.5 | 256 | 238 | 194 | 407 | 167 |
| Mercury | 0.1 U | 0.1 U | 0.1 UJ | 0.1 U | 0.13 UJ | 0.1 UJ | 0.1 U | 0.1 U | 0.1 U |
| Nickel | 2.6 UJ | 1.3 U | 1.8 J | 1.35 J | 0.9 U | 1.1 J | 1.5 J | 0.76 J | 0.545 J |
| Potassium | 5815 J | 7160 | 4770 | 6000 | 5585 | 5310 J | 3810 J | 5320 J | 4440 |
| Sodium | 89050 | 140000 J | 96300 | 94750 | 89650 | 70400 | 60300 | 84500 | 66700 |
| Vanadium | 0.9 U | 0.8 U | 1.7 U | 0.4 U | 0.4 U | 0.4 U | 0.6 U | 0.47 UJ | 0.72 UJ |
| Zinc | 49.35 | 58.35 J | 28.95 J | 21.1 J | 17 | 20 J | 16.1 J | 10.9 J | 4.95 J |

**TABLE 2-231**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 08 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-08-082301 | IPSW-08-091002 | IPSW-08-091801 | IPSW-08-102201 | IPSW-08-102502 | IPSW-08-111901 | IPSW-08-121701 |
|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | |
| Aluminum | 43.6 U | 90.9 UJ | 43.6 U | 55 U | 66.9 UJ | 259.175 J | 115 U |
| Arsenic | 5.9 U | 3 U | 4.7 | 2.55 J | 3 U | 5.4 J | 6.55 J |
| Barium | 47.35 J | 62.9 | 49.85 | 54.85 | 43.25 | 61 J | 40.3 |
| Calcium | 37350 | 45450 | 35550 | 45250 | 35100 | 48700 | 33400 |
| Chromium | 2.35 | 2 | 1.85 J | 1.4 J | 1.65 | 4.6 J | 1.9 U |
| Cobalt | 0.7 UJ | 0.4 U | 0.7 U | 1 U | 0.7 U | 0.8 J | 1 UJ |
| Copper | 2.9 UJ | 2.3 U | 5.6 U | 4.35 | 2.75 J | 8.4 J | 5.15 |
| Iron | 1001 J | 896.5 | 695.5 | 757.5 | 868.5 | 1567 J | 770.5 J |
| Lead | 3.7 | 2.1 U | 2.1 UJ | 1.8 J | 1.5 UJ | 10.3 J | 3.15 |
| Magnesium | 6360 | 7755 | 6200 | 7450 | 5980 | 8395 | 5780 |
| Manganese | 196.5 | 299.5 | 147 | 205 | 288 | 347 J | 186 |
| Nickel | 1.15 J | 1.4 U | 1.15 J | 1.5 U | 1.3 J | 1.575 J | 1.175 J |
| Potassium | 4695 J | 4420 J | 4940 J | 6350 J | 4080 J | 5980 J | 5365 J |
| Sodium | 68000 | 73100 | 58950 | 69000 J | 59050 | 74800 | 73900 |
| Thallium | 4.1 U | 2.6 UJ | 4.1 U | 5.2 U | 2.4 U | 5.2 U | 5.2 U |
| Vanadium | 0.52 J | 0.65 UJ | 0.64 J | 0.9 U | 0.96 UJ | 1.225 J | 0.9 UJ |
| Zinc | 19.3 J | 21.275 J | 18.55 J | 33.25 J | 40.5 | 60.65 | 62.05 |
| Dissolved Metals (ug/L) | | | | | | | |
| Arsenic | 5 U | 1.3 U | 1.8 J | 3 U | 3 U | 3 U | 3 J |
| Barium | 45.05 J | 63.05 | 55.85 J | 52.25 | 42.8 | 55.25 J | 39.6 |
| Calcium | 36450 | 45850 | 36050 | 44550 | 35350 | 47950 | 34200 |
| Chromium | 1 J | 0.68 UJ | 1.55 J | 1.65 J | 0.69 J | 1.1 UJ | 0.9 U |
| Cobalt | 0.7 UJ | 0.4 U | 0.7 U | 1 U | 0.7 J | 1 U | 1 UJ |
| Copper | 3 UJ | 1.4 U | 4.7 U | 4.05 J | 2.55 J | 2.25 J | 3.7 J |
| Iron | 258.5 J | 8.7 U | 234.5 | 255.5 | 340.5 | 186.5 | 189.5 J |
| Magnesium | 6215 | 7865 | 6300 | 7530 | 6020 | 8260 | 5920 |
| Manganese | 182.5 | 296 | 137.5 | 197.5 | 289 | 113.5 J | 182.5 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 J | 0.1 U | 0.15 UJ | 0.1 U |
| Nickel | 1.4 U | 1.2 UJ | 1.8 | 2 J | 1.2 J | 1.5 U | 1.5 U |
| Potassium | 4590 J | 4510 | 5055 J | 6205 J | 4115 J | 5915 J | 5490 J |
| Sodium | 67200 | 74250 | 59550 | 68400 J | 60400 | 74200 | 75750 |
| Vanadium | 0.6 UJ | 0.4 U | 0.46 J | 0.9 U | 0.7 U | 0.9 U | 0.9 UJ |
| Zinc | 13.3 J | 13 UJ | 22.7 J | 34.75 | 36.9 | 29.7 | 56.5 J |

**TABLE 2-232**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 09 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-09-010402 | IPSW-09-021502 | IPSW-09-031202 | IPSW-09-041702 | IPSW-09-050802 | IPSW-09-062002 | IPSW-09-071401 | IPSW-09-071602 | IPSW-09-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Arsenic | 3 U | 2.4 U | 1.7 U | 2 U | 3.2 J | 2 U | 1.9 UJ | 1.5 J | 3.8 |
| Barium | 42.3 J | 37 | 36.7 | 37 | 33.7 | 31.6 | 35.2 | 32.5 | 33.3 |
| Calcium | 31300 | 31400 | 30200 | 35400 | 32700 | 29100 | 23000 | 30900 | 28500 |
| Chromium | 2 UJ | 0.6 U | 0.9 U | 0.64 J | 0.87 UJ | 0.5 J | 1 U | 0.88 J | 0.6 U |
| Cobalt | 1.3 UJ | 0.7 U | 2 U | 0.7 U | 0.7 U | 0.7 U | 1.2 J | 0.4 U | 0.4 U |
| Copper | 7.6 U | 4.3 U | 5.5 U | 3.4 U | 2.7 J | 6.2 J | 5.7 U | 4.4 U | 2.3 J |
| Iron | 234 U | 120 U | 245 | 208 J | 183 | 186 U | 315 | 163 | 130 |
| Magnesium | 5420 | 5280 | 5340 | 5820 | 5370 | 4600 | 3890 | 5230 | 4930 |
| Manganese | 84.1 J | 111 | 162 | 70.4 | 64.3 | 44 | 98.4 | 37 | 27.5 |
| Nickel | 2.4 UJ | 1.3 U | 1.1 J | 1.1 J | 1.8 U | 0.9 U | 1.4 U | 0.7 U | 0.72 J |
| Potassium | 4600 J | 5990 | 4660 J | 5390 | 4960 | 4910 J | 3250 J | 4090 J | 3730 J |
| Sodium | 86900 | 116000 J | 122000 | 105000 | 92300 | 64000 | 49900 | 70800 | 60900 |
| Vanadium | 1.2 UJ | 0.8 U | 1.7 U | 0.4 U | 0.4 U | 0.47 UJ | 1.6 | 0.64 UJ | 1.3 U |
| Zinc | 24.8 | 33.2 J | 33.3 J | 17.5 J | 15.7 J | 8.6 UJ | 6.7 J | 4.2 J | 0.7 UJ |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Antimony | 3.7 U | 4 U | 1.5 U | 2.2 U | 2.2 U | 2.2 U | 2 UJ | 1.8 J | 1.9 UJ |
| Arsenic | 3 U | 2.4 U | 1.7 U | 2 U | 2 U | 2 U | 2.2 J | 2.3 J | 4.9 |
| Barium | 37.9 J | 37.2 | 34.1 | 35.7 | 31.5 | 28.5 | 35.3 | 31.1 | 30.2 |
| Calcium | 29400 | 32800 | 29300 | 35200 | 31300 | 26800 | 23000 | 30100 | 26600 |
| Chromium | 1.5 UJ | 0.6 U | 0.9 U | 0.5 U | 0.87 UJ | 0.5 U | 1.2 J | 0.6 U | 0.6 U |
| Cobalt | 1 U | 1.6 | 2 U | 0.7 U | 0.7 U | 0.7 U | 1.3 J | 0.4 U | 0.4 U |
| Copper | 5.2 U | 4.3 U | 4 U | 3.2 UJ | 2.5 J | 5.9 | 5.4 | 4.1 U | 2.1 J |
| Magnesium | 5080 | 5500 | 5180 | 5790 | 5140 | 4270 | 3810 | 5100 | 4600 |
| Manganese | 16.3 J | 62.7 | 78.8 | 21.3 | 37.4 | 5.2 | 67.4 | 5.8 | 1.9 U |
| Nickel | 1.9 UJ | 1.3 U | 1 U | 1.2 J | 1.5 UJ | 0.9 U | 2.7 J | 0.94 J | 0.7 U |
| Potassium | 4330 J | 6300 | 4520 | 5370 | 4760 | 4500 J | 3290 J | 4010 J | 3440 |
| Sodium | 82200 | 122000 J | 118000 | 105000 | 88100 | 58700 | 50400 | 68300 | 57300 |
| Vanadium | 0.9 U | 0.8 U | 1.7 U | 0.4 U | 0.48 J | 0.45 UJ | 2 | 0.64 UJ | 1 U |
| Zinc | 17.4 J | 29.8 J | 25.4 J | 10.3 UJ | 12.3 | 5.6 UJ | 6 J | 4 J | 0.7 UJ |

**TABLE 2-232**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 09 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-09-082301 | IPSW-09-091002 | IPSW-09-091801 | IPSW-09-102201 | IPSW-09-102502 | IPSW-09-111901 | IPSW-09-121701 |
|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | |
| Arsenic | 3.4 U | 6.3 U | 1.5 J | 3 U | 3 U | 3 U | 3.5 J |
| Barium | 31.6 J | 36.1 | 32.6 | 36.9 | 33.1 | 36.7 J | 39.4 |
| Calcium | 24900 | 30900 | 25000 | 29100 | 28900 | 28900 | 31200 |
| Chromium | 1 U | 0.6 U | 1.1 J | 0.9 U | 0.8 U | 0.91 UJ | 0.9 U |
| Cobalt | 0.7 UJ | 0.4 U | 0.7 U | 1 U | 0.7 U | 1 U | 1 UJ |
| Copper | 6.3 U | 2.1 U | 2.3 UJ | 3.3 J | 1.8 J | 3.5 J | 2 U |
| Iron | 150 J | 73.7 U | 48.1 U | 92 | 112 | 115 J | 75.5 J |
| Magnesium | 4150 | 5480 | 4370 | 4890 | 5070 | 4960 | 5450 |
| Manganese | 38.6 | 17.5 | 15.7 | 24.9 | 30.4 | 50.5 J | 59.4 |
| Nickel | 1.4 U | 1.3 UJ | 1.4 U | 1.6 J | 1 U | 1.5 U | 1.5 U |
| Potassium | 3440 J | 3600 J | 3700 J | 4100 J | 3730 J | 4280 J | 4570 J |
| Sodium | 49900 | 63500 | 52600 | 63200 J | 65000 | 71600 | 79000 |
| Vanadium | 0.6 UJ | 0.85 U | 0.6 U | 0.9 U | 0.7 U | 0.9 U | 0.9 UJ |
| Zinc | 2.5 J | 4.6 UJ | 0.7 UJ | 2.7 J | 4.4 U | 10.8 J | 12.4 J |
| Dissolved Metals (ug/L) | | | | | | | |
| Antimony | 1.7 U | 2.8 UJ | 1.7 U | 3.7 UJ | 1.5 UJ | 3.7 U | 3.7 U |
| Arsenic | 5.2 U | 2.9 U | 1.8 J | 3 U | 3 U | 3 U | 3 U |
| Barium | 29.3 J | 35.6 U | 32.4 J | 36.2 | 31.9 | 34.9 J | 39.7 |
| Calcium | 24700 | 31100 | 25300 | 29600 | 28800 | 28600 | 31900 |
| Chromium | 1 U | 0.6 U | 1 U | 0.98 J | 0.8 U | 0.9 U | 0.9 U |
| Cobalt | 0.7 UJ | 0.4 U | 0.7 U | 1 U | 0.7 U | 1 U | 1 UJ |
| Copper | 3.4 U | 2.4 U | 4 U | 3.3 J | 2.1 J | 2 J | 2 U |
| Magnesium | 4130 | 5530 | 4420 | 5080 | 5010 | 4870 | 5610 |
| Manganese | 5.1 | 1.3 | 1.3 U | 1.2 U | 1.7 U | 1.8 UJ | 4.7 U |
| Nickel | 1.4 U | 1.2 UJ | 1.4 U | 1.5 U | 1 U | 1.5 U | 1.5 U |
| Potassium | 3480 J | 3610 | 3710 J | 4120 J | 3710 J | 4190 J | 4670 J |
| Sodium | 49800 | 63700 | 54000 | 64800 J | 65500 | 70800 | 80300 |
| Vanadium | 0.6 UJ | 0.65 UJ | 0.6 U | 0.9 U | 0.73 UJ | 0.9 U | 0.9 UJ |
| Zinc | 1.6 J | 0.7 UJ | 2.4 J | 10.1 J | 2.4 U | 8.6 J | 9.2 J |

**TABLE 2-233**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 10 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-10-010402 | IPSW-10-021502 | IPSW-10-031202 | IPSW-10-041702 | IPSW-10-050802 | IPSW-10-062002 | IPSW-10-071401 | IPSW-10-071602 | IPSW-10-080602 |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | | | |
| Aluminum | 55 U | 84.4 UJ | 44 U | 124 U | 37.2 UJ | 66.4 U | 60.6 J | 200 U | 145 U |
| Arsenic | 3 U | 2.4 U | 1.7 U | 3.2 | 2 U | 2 U | 2.4 U | 1.3 U | 2.4 J |
| Barium | 52.7 J | 43.4 | 43.8 | 45.8 | 39.3 | 34.6 | 34.5 | 36.8 | 38.9 |
| Calcium | 34700 | 31500 | 30600 | 35500 | 32800 | 29700 | 24200 | 29100 | 29200 |
| Chromium | 3.2 UJ | 0.6 U | 1.2 J | 1.6 | 1.1 U | 0.66 J | 3 U | 1.4 | 1.1 J |
| Cobalt | 1.5 UJ | 0.74 J | 2 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U | 0.4 U | 0.4 U |
| Copper | 6.5 U | 4.3 U | 5.5 U | 5 U | 2.6 J | 3.4 J | 5.4 U | 3.4 U | 1.7 J |
| Iron | 228 U | 166 U | 252 | 521 J | 111 | 171 U | 331 | 377 | 169 |
| Magnesium | 7590 | 6460 | 6540 | 6620 | 6000 | 5160 | 4610 | 5510 | 5590 |
| Manganese | 244 J | 208 | 181 | 205 | 44.2 | 53.9 | 46.4 | 44.6 | 25.4 |
| Mercury | 0.1 U | 0.1 U | 0.1 UJ | 0.1 U | 0.15 UJ | 0.1 UJ | 0.1 U | 0.1 U | 0.1 U |
| Nickel | 2.4 UJ | 1.3 U | 1 U | 1.8 | 0.9 U | 0.9 U | 1.4 U | 0.85 J | 0.9 J |
| Potassium | 5140 J | 6130 | 5010 J | 5730 | 5140 | 5150 J | 3540 J | 4060 J | 3830 J |
| Sodium | 96000 | 121000 J | 125000 | 121000 | 102000 | 69000 | 54400 | 69400 | 65600 |
| Zinc | 6.3 J | 14.6 J | 172 | 27.2 J | 11.9 J | 8.3 UJ | 6 J | 6.8 J | 2.9 J |
| Dissolved Metals (ug/L) | | | | | | | | | |
| Arsenic | 3 U | 2.4 U | 1.7 U | 2 U | 2 U | 2 U | 1.2 UJ | 1.3 U | 1.6 J |
| Barium | 43.6 J | 41.1 | 38.6 | 38.8 | 38 | 30.6 | 33.7 | 33.9 | 36.8 |
| Calcium | 29500 | 31000 | 28500 | 33300 | 33400 | 27300 | 24500 | 28600 | 28900 |
| Chromium | 2 UJ | 0.6 U | 0.9 U | 0.5 J | 0.78 UJ | 0.5 U | 1.4 J | 0.77 J | 0.6 U |
| Copper | 5 U | 4.3 U | 3.7 U | 3 UJ | 2.1 J | 3.4 | 4 | 2.5 U | 1.1 J |
| Iron | 62.2 U | 18 U | 23.8 U | 9.5 U | 9.5 U | 9.5 U | 143 U | 25.6 U | 9.3 UJ |
| Magnesium | 6540 | 6350 | 6020 | 6170 | 6080 | 4680 | 4540 | 5360 | 5490 |
| Manganese | 156 J | 164 | 84 | 57.6 | 11.7 | 7.8 | 15.8 | 6.9 | 5.7 |
| Nickel | 2.2 UJ | 1.3 U | 1 U | 0.93 J | 1.6 UJ | 0.9 U | 1.7 J | 0.7 U | 0.7 U |
| Potassium | 4460 J | 6020 | 4580 | 5310 | 5210 | 4680 J | 3620 J | 3940 J | 3740 |
| Sodium | 83600 | 118000 J | 116000 | 112000 | 104000 | 63000 | 55400 | 68600 | 64900 |
| Zinc | 3.7 J | 10.5 UJ | 8.1 J | 7.6 UJ | 7.2 U | 12.3 J | 9.4 J | 0.7 UJ | 0.7 UJ |

**TABLE 2-233**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 10 - BASEFLOW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-10-082301 | IPSW-10-091002 | IPSW-10-091801 | IPSW-10-102201 | IPSW-10-102502 | IPSW-10-111901 | IPSW-10-121701 |
|---|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | | |
| Aluminum | 43.6 U | 151 U | 43.6 U | 72.5 UJ | 56.7 U | 69.6 UJ | 57.7 UJ |
| Arsenic | 5.8 U | 1.3 U | 1.2 U | 3 U | 3 U | 3 U | 3 U |
| Barium | 35.6 J | 43.3 | 40.3 | 45.8 | 43.7 | 43.8 J | 46.5 |
| Calcium | 27100 | 31600 | 27500 | 31900 | 30700 | 31100 | 32100 |
| Chromium | 1.1 J | 1.2 | 1.4 J | 1 J | 0.8 U | 2.2 U | 0.9 U |
| Cobalt | 0.7 UJ | 0.4 U | 0.7 U | 1 U | 0.7 U | 1 U | 1 UJ |
| Copper | 4 U | 1.8 U | 3 UJ | 3 J | 1.7 J | 2 J | 2 U |
| Iron | 107 J | 60 U | 171 U | 153 | 127 | 145 J | 239 J |
| Magnesium | 5000 | 6580 | 5820 | 6790 | 6400 | 6830 | 7330 |
| Manganese | 32.2 | 12.9 | 18.2 | 38.6 | 65.1 | 76.8 J | 227 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.36 | 0.13 UJ | 0.1 U |
| Nickel | 1.4 U | 1.1 UJ | 1.6 | 1.5 U | 1 U | 1.5 U | 1.5 U |
| Potassium | 3660 J | 3780 J | 4050 J | 4540 J | 3980 J | 4690 J | 4870 J |
| Sodium | 56000 | 67800 | 59400 | 71000 J | 71700 | 79100 | 86000 |
| Zinc | 0.73 J | 0.7 UJ | 2.1 J | 1.1 UJ | 1.1 U | 16.1 J | 1.3 J |
| Dissolved Metals (ug/L) | | | | | | | |
| Arsenic | 4.2 U | 1.3 UJ | 1.5 J | 3 U | 3 U | 3 U | 3.9 J |
| Barium | 31.1 J | 42.4 | 39.4 J | 42.8 | 41.1 | 39.6 J | 41.7 |
| Calcium | 24100 | 31600 | 27700 | 31200 | 30200 | 29800 | 31300 |
| Chromium | 1 J | 0.83 UJ | 1.4 J | 1.1 J | 0.8 U | 0.9 U | 0.9 U |
| Copper | 4.5 U | 2.3 U | 3.2 U | 8.6 | 1.5 U | 3.9 J | 2 U |
| Iron | 20.1 J | 8.7 U | 57.8 U | 22.6 U | 12.5 U | 22.6 U | 22.6 UJ |
| Magnesium | 4490 | 6540 | 5870 | 6760 | 6280 | 6520 | 7130 |
| Manganese | 1.1 U | 1.5 | 3.1 | 6.1 | 5.3 | 2.3 UJ | 106 |
| Nickel | 1.4 U | 0.7 U | 1.4 | 1.5 U | 1 U | 1.5 U | 1.5 U |
| Potassium | 3280 J | 3750 | 4120 J | 4350 J | 3880 J | 4420 J | 4600 J |
| Sodium | 51000 | 67500 | 60100 | 69900 J | 70800 | 76300 | 83600 |
| Zinc | 0.7 UJ | 5.9 UJ | 71.4 | 2 J | 1.1 U | 1.2 J | 1.1 UJ |

**TABLE 2-234**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 05 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 59.1 - 241 | 85 |
| Antimony | 3.9 | | 3.9 | | IPSW-05-092502 | 1 / 6 | 1.7 - 3.9 | 1.8 |
| Arsenic | 11.5 | | 23.3 | | IPSW-05-051502 | 6 / 6 | N/A | 15 |
| Barium | 23.2 | | 40.7 | | IPSW-05-092502 | 6 / 6 | N/A | 30 |
| Beryllium | | | | | | 0 / 6 | 0.2 - 0.5 | 0.13 |
| Cadmium | | | | | | 0 / 6 | 0.25 - 0.46 | 0.18 |
| Calcium | 19700 | | 34600 | | IPSW-05-092502 | 6 / 6 | N/A | 26275 |
| Chromium | 4.2 | | 12.1 | | IPSW-05-042602 | 5 / 6 | 2.6 | 7.0 |
| Cobalt | 2.2 | | 2.2 | | IPSW-05-101802 | 1 / 6 | 0.75 - 2.4 | 0.97 |
| Copper | 8.4 | | 12.8 | J | IPSW-05-042602 | 3 / 6 | 6.3 - 10.5 | 7.1 |
| Iron | 1150 | | 2210 | | IPSW-05-051502 | 6 / 6 | N/A | 1654 |
| Lead | 4.4 | | 6 | J | IPSW-05-072502 | 3 / 6 | 2.5 - 6.4 | 3.6 |
| Magnesium | 3020 | | 5230 | | IPSW-05-092502 | 6 / 6 | N/A | 3998 |
| Manganese | 124 | | 529 | | IPSW-05-101802 | 6 / 6 | N/A | 238 |
| Mercury | 0.13 | J | 0.13 | J | IPSW-05-051502 | 1 / 6 | 0.1 | 0.063 |
| Nickel | 1.5 | | 3 | | IPSW-05-101802 | 3 / 6 | 0.9 - 3.3 | 1.7 |
| Potassium | 2930 | | 5060 | J | IPSW-05-092502 | 6 / 6 | N/A | 3912 |
| Selenium | | | | | | 0 / 6 | 2.1 - 3 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 24400 | | 44800 | | IPSW-05-042602 | 6 / 6 | N/A | 36417 |
| Thallium | | | | | | 0 / 6 | 2.2 - 4.9 | 1.6 |
| Vanadium | 1.1 | | 2.6 | | IPSW-05-072502 | 2 / 6 | 0.67 - 2.3 | 1.2 |
| Zinc | 53.9 | J | 108 | | IPSW-05-083102 | 6 / 6 | N/A | 79 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 7.6 - 95.1 | 21 |
| Antimony | 2.8 | J | 2.8 | J | IPSW-05-051502FT | 1 / 6 | 1.9 - 3.7 | 1.6 |
| Arsenic | 2.2 | J | 12.6 | | IPSW-05-051502FT | 3 / 6 | 2.5 - 3 | 3.5 |
| Barium | 18.2 | | 31.4 | | IPSW-05-092502FT | 6 / 6 | N/A | 25 |
| Beryllium | | | | | | 0 / 6 | 0.1 - 1 | 0.16 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.47 | 0.18 |
| Calcium | 18600 | | 34700 | | IPSW-05-092502FT | 6 / 6 | N/A | 26150 |
| Chromium | 1.35 | | 1.9 | | IPSW-05-101802FT | 3 / 6 | 1.3 - 1.8 | 1.2 |
| Cobalt | 1.8 | | 1.8 | | IPSW-05-101802FT | 1 / 6 | 0.44 - 0.7 | 0.56 |
| Copper | 4.5 | | 4.5 | | IPSW-05-092502FT | 1 / 6 | 2.3 - 4.3 | 2.2 |
| Iron | 60.7 | | 968 | | IPSW-05-051502FT | 5 / 6 | 88.4 | 300 |
| Lead | | | | | | 0 / 6 | 0.7 - 2.3 | 0.75 |
| Magnesium | 2820 | | 5240 | | IPSW-05-101802FT | 6 / 6 | N/A | 3959 |
| Manganese | 70.3 | | 498 | | IPSW-05-101802FT | 6 / 6 | N/A | 192 |
| Mercury | | | | | | 0 / 6 | 0.1 | 0.050 |
| Nickel | 1.4 | J | 2.2 | | IPSW-05-101802FT | 4 / 6 | 1.3 - 1.4 | 1.4 |
| Potassium | 2740 | | 5660 | | IPSW-05-092502FT | 6 / 6 | N/A | 4022 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3.2 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 23600 | | 43650 | | IPSW-05-042602FT | 6 / 6 | N/A | 34708 |
| Thallium | | | | | | 0 / 6 | 2.2 - 5.1 | 1.6 |
| Vanadium | 1.1 | J | 1.1 | J | IPSW-05-101802FT | 1 / 6 | 0.3 - 0.89 | 0.41 |
| Zinc | 42.6 | J | 78.8 | | IPSW-05-083102FT | 5 / 6 | 42.3 | 51 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-235**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 06 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 281 | | 513 | | IPSW-06-042602 | 4 / 6 | 224 - 230 | 317 |
| Antimony | 3.9 | | 3.9 | | IPSW-06-092502 | 1 / 6 | 1.5 - 2.6 | 1.5 |
| Arsenic | 15.2 | | 25.5 | | IPSW-06-092502 | 6 / 6 | N/A | 20 |
| Barium | 24.4 | | 47.9 | | IPSW-06-092502 | 6 / 6 | N/A | 34 |
| Beryllium | | | | | | 0 / 6 | 0.2 - 0.56 | 0.13 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.88 | 0.23 |
| Calcium | 19400 | | 35000 | | IPSW-06-092502 | 6 / 6 | N/A | 27492 |
| Chromium | 8 | | 24.2 | | IPSW-06-101802 | 5 / 6 | 11.2 | 14 |
| Cobalt | 1.3 | J | 2.1 | | IPSW-06-101802 | 2 / 6 | 0.57 - 3.3 | 1.1 |
| Copper | 10.9 | | 112 | J | IPSW-06-042602 | 5 / 6 | 11.9 | 31 |
| Iron | 1540 | | 3405 | | IPSW-06-101802 | 6 / 6 | N/A | 2466 |
| Lead | 11.9 | | 16.25 | | IPSW-06-101802 | 3 / 6 | 7.1 - 7.9 | 8.9 |
| Magnesium | 2870 | | 5590 | | IPSW-06-092502 | 6 / 6 | N/A | 4438 |
| Manganese | 177 | | 490 | | IPSW-06-101802 | 6 / 6 | N/A | 307 |
| Mercury | 0.12 | J | 0.16 | J | IPSW-06-101802 | 2 / 6 | 0.1 | 0.080 |
| Nickel | 1.4 | J | 3.3 | | IPSW-06-101802 | 3 / 6 | 1.7 - 4.4 | 1.9 |
| Potassium | 3010 | | 5290 | J | IPSW-06-092502 | 6 / 6 | N/A | 4139 |
| Selenium | | | | | | 0 / 6 | 2.1 - 3 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.93 | 0.33 |
| Sodium | 27300 | | 64300 | | IPSW-06-042602 | 6 / 6 | N/A | 44342 |
| Thallium | | | | | | 0 / 6 | 2.2 - 4.2 | 1.4 |
| Vanadium | 2.1 | | 2.1 | | IPSW-06-101802 | 2 / 6 | 1.1 - 3.5 | 1.3 |
| Zinc | 63.4 | | 118 | | IPSW-06-101802 | 6 / 6 | N/A | 89 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 7.6 - 57.7 | 18 |
| Antimony | 1.7 | J | 1.7 | J | IPSW-06-072502FT | 1 / 6 | 1.2 - 4.9 | 1.6 |
| Arsenic | 2.5 | J | 11.8 | | IPSW-06-051502FT | 5 / 6 | 2.5 | 4.2 |
| Barium | 22 | | 34.3 | | IPSW-06-092502FT | 6 / 6 | N/A | 27 |
| Beryllium | | | | | | 0 / 6 | 0.1 - 0.5 | 0.12 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.4 | 0.18 |
| Calcium | 21200 | | 36100 | | IPSW-06-092502FT | 6 / 6 | N/A | 27592 |
| Chromium | 1.9 | | 2.9 | | IPSW-06-042602FT | 4 / 6 | 1.2 - 1.7 | 1.7 |
| Cobalt | | | | | | 0 / 6 | 0.4 - 0.93 | 0.34 |
| Copper | 4.2 | | 51.7 | | IPSW-06-042602FT | 4 / 6 | 4.7 - 6.1 | 12 |
| Iron | 211 | | 790 | | IPSW-06-051502FT | 4 / 6 | 91.9 - 116 | 346 |
| Lead | | | | | | 0 / 6 | 0.7 - 2.3 | 0.76 |
| Magnesium | 3090 | | 5330 | | IPSW-06-092502FT | 6 / 6 | N/A | 4331 |
| Manganese | 97.9 | | 255 | | IPSW-06-101802FT | 6 / 6 | N/A | 153 |
| Mercury | | | | | | 0 / 6 | 0.1 - 0.11 | 0.051 |
| Nickel | 1.2 | J | 2.1 | | IPSW-06-092502FT | 3 / 6 | 0.9 - 2.1 | 1.2 |
| Potassium | 3280 | | 6190 | | IPSW-06-092502FT | 6 / 6 | N/A | 4268 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3.2 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 30100 | | 60200 | | IPSW-06-042602FT | 6 / 6 | N/A | 43350 |
| Thallium | | | | | | 0 / 6 | 2.4 - 5.1 | 1.7 |
| Vanadium | | | | | | 0 / 6 | 0.3 - 0.81 | 0.29 |
| Zinc | 33 | J | 60.5 | | IPSW-06-083102FT | 6 / 6 | N/A | 47 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-236**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 07 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 386 | | 651 | | IPSW-07-042602 | 2 / 6 | 115 - 288 | 227 |
| Antimony | 1.25 | J | 1.25 | J | IPSW-07-092502 | 1 / 6 | 1.6 - 3 | 1.2 |
| Arsenic | 4.8 | J | 18.1 | | IPSW-07-051502 | 6 / 6 | N/A | 9.7 |
| Barium | 25.2 | | 31.4 | | IPSW-07-101802 | 6 / 6 | N/A | 29 |
| Beryllium | | | | | | 0 / 6 | 0.2 | 0.10 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.72 | 0.19 |
| Calcium | 19300 | | 25650 | | IPSW-07-072502 | 6 / 6 | N/A | 22967 |
| Chromium | 2.95 | J | 13.2 | | IPSW-07-042602 | 4 / 6 | 3.3 - 4 | 5.8 |
| Cobalt | 1.5 | | 1.5 | | IPSW-07-101802 | 1 / 6 | 0.4 - 1.8 | 0.56 |
| Copper | 6.5 | | 51.7 | J | IPSW-07-042602 | 5 / 6 | 8.4 | 16 |
| Iron | 777 | | 2520 | | IPSW-07-042602 | 6 / 6 | N/A | 1446 |
| Lead | 3.5 | | 17 | | IPSW-07-042602 | 4 / 6 | 3.7 - 5.7 | 7.0 |
| Magnesium | 3050 | | 4250 | | IPSW-07-101802 | 6 / 6 | N/A | 3683 |
| Manganese | 114.5 | | 308 | | IPSW-07-042602 | 6 / 6 | N/A | 181 |
| Mercury | 0.11 | J | 0.11 | J | IPSW-07-101802 | 1 / 6 | 0.1 | 0.060 |
| Nickel | 1.25 | J | 2.4 | | IPSW-07-101802 | 3 / 6 | 0.92 - 2.7 | 1.4 |
| Potassium | 2980 | | 3910 | J | IPSW-07-092502 | 6 / 6 | N/A | 3545 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3 | 1.2 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 29200 | | 46700 | | IPSW-07-042602 | 6 / 6 | N/A | 37975 |
| Thallium | | | | | | 0 / 6 | 2.2 - 4.2 | 1.4 |
| Vanadium | 0.56 | J | 2.9 | | IPSW-07-042602 | 3 / 6 | 0.64 - 2.3 | 1.3 |
| Zinc | 36.15 | J | 111 | | IPSW-07-042602 | 6 / 6 | N/A | 65 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 7.6 - 57.7 | 20 |
| Antimony | | | | | | 0 / 6 | 1.6 - 2.2 | 0.92 |
| Arsenic | 1.375 | J | 7.7 | | IPSW-07-051502FT | 4 / 6 | 2 - 2.5 | 3.0 |
| Barium | 17.9 | | 28.75 | | IPSW-07-072502FT | 6 / 6 | N/A | 24 |
| Beryllium | | | | | | 0 / 6 | 0.2 | 0.10 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.4 | 0.16 |
| Calcium | 19300 | | 25500 | | IPSW-07-072502FT | 6 / 6 | N/A | 22917 |
| Chromium | 1.5 | J | 2.2 | | IPSW-07-042602FT | 3 / 6 | 0.82 - 1.7 | 1.2 |
| Cobalt | 0.74 | J | 0.74 | J | IPSW-07-101802FT | 1 / 6 | 0.4 - 0.7 | 0.34 |
| Copper | 4.6 | | 20.3 | | IPSW-07-042602FT | 3 / 6 | 4.5 - 5.5 | 6.4 |
| Iron | 74.225 | J | 722 | | IPSW-07-051502FT | 5 / 6 | 49.5 | 236 |
| Lead | 2.5 | | 2.5 | | IPSW-07-051502FT | 1 / 6 | 0.7 - 2 | 0.93 |
| Magnesium | 3150 | | 4230 | | IPSW-07-101802FT | 6 / 6 | N/A | 3621 |
| Manganese | 27.5 | | 164 | | IPSW-07-042602FT | 6 / 6 | N/A | 98 |
| Mercury | | | | | | 0 / 6 | 0.1 | 0.050 |
| Nickel | 1.03 | J | 1.3 | J | IPSW-07-051502FT | 3 / 6 | 1 - 1.6 | 0.89 |
| Potassium | 3140 | | 3885 | | IPSW-07-092502FT | 6 / 6 | N/A | 3521 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3 | 1.2 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 29000 | | 44300 | | IPSW-07-042602FT | 6 / 6 | N/A | 38017 |
| Thallium | | | | | | 0 / 6 | 2.2 - 5.3 | 1.6 |
| Vanadium | 0.88 | J | 0.88 | J | IPSW-07-101802FT | 1 / 6 | 0.4 - 0.84 | 0.36 |
| Zinc | 20.85 | J | 43.6 | | IPSW-07-083102FT | 6 / 6 | N/A | 36 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-237**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 08 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | 109.3684 | | 3396.621 | | IPSW-08-00-051602 | 6 / 6 | N/A | 875 |
| Antimony | 0.815972 | | 1.835228 | | IPSW-08-00-051602 | 6 / 6 | N/A | 1.2 |
| Arsenic | 4.462236 | | 29.86235 | | IPSW-08-00-051602 | 6 / 6 | N/A | 11 |
| Barium | 22.60288 | | 95.17598 | | IPSW-08-00-051602 | 6 / 6 | N/A | 41 |
| Beryllium | 9.423936 | | 0.269086 | | IPSW-08-00-072502 | 6 / 6 | N/A | 0.15 |
| Cadmium | 0.1 | | 1.259727 | | IPSW-08-00-051602 | 6 / 6 | N/A | 0.36 |
| Calcium | 18397.38 | | 24603.39 | | IPSW-08-00-042602 | 6 / 6 | N/A | 21269 |
| Chromium | 3.073701 | | 59.1016 | | IPSW-08-00-051602 | 6 / 6 | N/A | 15 |
| Cobalt | 0.301183 | | 4.063766 | | IPSW-08-00-051602 | 6 / 6 | N/A | 1.1 |
| Copper | 4.057568 | | 78.7716 | | IPSW-08-00-051602 | 6 / 6 | N/A | 26 |
| Iron | 838.6627 | | 8857.936 | | IPSW-08-00-051602 | 6 / 6 | N/A | 2768 |
| Lead | 3.859222 | | 82.96712 | | IPSW-08-00-051602 | 6 / 6 | N/A | 23 |
| Magnesium | 3177.305 | | 4029.125 | | IPSW-08-00-042602 | 6 / 6 | N/A | 3622 |
| Manganese | 154.5942 | | 807.0306 | | IPSW-08-00-051602 | 6 / 6 | N/A | 338 |
| Mercury | 5.361909 | | 0.241693 | | IPSW-08-00-051602 | 6 / 6 | N/A | 0.095 |
| Nickel | 0.927743 | | 6.464543 | | IPSW-08-00-051602 | 6 / 6 | N/A | 2.0 |
| Potassium | 3055.335 | | 3843.721 | | IPSW-08-00-042602 | 6 / 6 | N/A | 3369 |
| Selenium | 1.05 | | 1.693372 | | IPSW-08-00-051602 | 6 / 6 | N/A | 1.4 |
| Silver | 0.25 | | 0.4 | | IPSW-08-00-101802 | 6 / 6 | N/A | 0.33 |
| Sodium | 29523.75 | | 52967.88 | | IPSW-08-00-042602 | 6 / 6 | N/A | 37105 |
| Thallium | 1.158015 | | 2.152674 | | IPSW-08-00-083102 | 6 / 6 | N/A | 1.5 |
| Vanadium | 0.867644 | | 10.14831 | | IPSW-08-00-051602 | 6 / 6 | N/A | 3.1 |
| Zinc | 25.47966 | | 307.1629 | | IPSW-08-00-051602 | 6 / 6 | N/A | 112 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | 9.919237 | | 37.42364 | | IPSW-08-00-051602FT | 6 / 6 | N/A | 24 |
| Antimony | 0.790265 | | 1.947827 | | IPSW-08-00-083102FT | 6 / 6 | N/A | 1.3 |
| Arsenic | 1.284979 | | 3.447913 | | IPSW-08-00-051602FT | 6 / 6 | N/A | 2.0 |
| Barium | 20.92433 | | 30.87228 | | IPSW-08-00-072502FT | 6 / 6 | N/A | 24 |
| Beryllium | 8.527594 | | 0.248879 | | IPSW-08-00-072502FT | 6 / 6 | N/A | 0.13 |
| Cadmium | 0.106465 | | 0.2 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 0.16 |
| Calcium | 18014.16 | | 23546.61 | | IPSW-08-00-072502FT | 6 / 6 | N/A | 20674 |
| Chromium | 0.53157 | | 1.857312 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 1.0 |
| Cobalt | 0.214466 | | 0.402026 | | IPSW-08-00-051602FT | 6 / 6 | N/A | 0.30 |
| Copper | 1.997159 | | 14.31572 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 4.8 |
| Iron | 21.9226 | | 315.4828 | | IPSW-08-00-051602FT | 6 / 6 | N/A | 157 |
| Lead | 0.683201 | | 3.835089 | | IPSW-08-00-083102FT | 6 / 6 | N/A | 1.5 |
| Magnesium | 2823.025 | | 3854.093 | | IPSW-08-00-072502FT | 6 / 6 | N/A | 3318 |
| Manganese | 21.50218 | | 158.9092 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 85 |
| Mercury | 0.05 | | 5.928234 | | IPSW-08-00-092502FT | 6 / 6 | N/A | 0.052 |
| Nickel | 0.541668 | | 0.997435 | | IPSW-08-00-072502FT | 6 / 6 | N/A | 0.73 |
| Potassium | 2899.858 | | 3643.029 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 3251 |
| Selenium | 1.053069 | | 1.5 | | IPSW-08-00-101802FT | 6 / 6 | N/A | 1.3 |
| Silver | 0.25 | | 0.4 | | IPSW-08-00-101802FT | 6 / 6 | N/A | 0.32 |
| Sodium | 28558.86 | | 51989.28 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 36931 |
| Thallium | 1.124162 | | 2.1 | | IPSW-08-00-083102FT | 6 / 6 | N/A | 1.5 |
| Vanadium | 0.239593 | | 0.451874 | | IPSW-08-00-101802FT | 6 / 6 | N/A | 0.33 |
| Zinc | 11.26868 | | 34.05547 | | IPSW-08-00-042602FT | 6 / 6 | N/A | 22 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-238**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 09 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 24.9 - 91.6 | 28 |
| Antimony | 2.5 | J | 2.5 | J | IPSW-09-051502 | 1 / 6 | 1.2 - 2.8 | 1.2 |
| Arsenic | 1.95 | J | 4.2 | | IPSW-09-092502 | 3 / 6 | 2 - 9.3 | 2.6 |
| Barium | 32.15 | | 36.05 | | IPSW-09-092502 | 6 / 6 | N/A | 35 |
| Beryllium | | | | | | 0 / 6 | 0.2 | 0.10 |
| Cadmium | 0.38 | J | 0.38 | J | IPSW-09-042602 | 1 / 6 | 0.2 - 0.4 | 0.20 |
| Calcium | 30150 | | 34650 | | IPSW-09-042602 | 6 / 6 | N/A | 31450 |
| Chromium | 0.605 | J | 0.605 | J | IPSW-09-042602 | 1 / 6 | 0.4 - 1.2 | 0.40 |
| Cobalt | | | | | | 0 / 6 | 0.4 - 0.7 | 0.28 |
| Copper | 3.5 | | 3.5 | | IPSW-09-083102 | 1 / 6 | 3.2 - 4.6 | 2.2 |
| Iron | 77.75 | J | 234 | | IPSW-09-051502 | 4 / 6 | 99.1 - 136 | 138 |
| Lead | 1.035 | J | 1.3 | J | IPSW-09-083102 | 2 / 6 | 0.7 - 2.3 | 0.85 |
| Magnesium | 4970 | | 5735 | | IPSW-09-101802 | 6 / 6 | N/A | 5301 |
| Manganese | 22.7 | | 72.4 | | IPSW-09-051502 | 6 / 6 | N/A | 48 |
| Mercury | | | | | | 0 / 6 | 0.1 | 0.050 |
| Nickel | 0.55 | J | 1.4 | J | IPSW-09-051502 | 2 / 6 | 0.77 - 1.6 | 0.68 |
| Potassium | 3690 | J | 5645 | | IPSW-09-042602 | 6 / 6 | N/A | 4455 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3 | 1.2 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 63600 | | 109000 | | IPSW-09-042602 | 6 / 6 | N/A | 75967 |
| Thallium | | | | | | 0 / 6 | 2.2 - 4.2 | 1.4 |
| Vanadium | 0.62 | J | 0.93 | J | IPSW-09-083102 | 2 / 6 | 0.4 - 1.3 | 0.52 |
| Zinc | 2.4 | J | 115 | J | IPSW-09-051502 | 3 / 6 | 3.2 - 16.5 | 23 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 19.6 - 69.5 | 23 |
| Antimony | 4 | J | 4 | J | IPSW-09-051502FT | 1 / 6 | 1.2 - 4.8 | 1.6 |
| Arsenic | 1.025 | J | 3.55 | | IPSW-09-092502FT | 4 / 6 | 2 - 3 | 1.9 |
| Barium | 29.9 | | 34.1 | | IPSW-09-042602FT | 6 / 6 | N/A | 33 |
| Beryllium | | | | | | 0 / 6 | 0.2 | 0.10 |
| Cadmium | 0.305 | J | 0.305 | J | IPSW-09-042602FT | 1 / 6 | 0.2 - 0.4 | 0.18 |
| Calcium | 30000 | | 34300 | | IPSW-09-042602FT | 6 / 6 | N/A | 30992 |
| Chromium | | | | | | 0 / 6 | 0.4 - 0.8 | 0.28 |
| Cobalt | | | | | | 0 / 6 | 0.4 - 0.7 | 0.28 |
| Copper | 2.6 | | 2.6 | | IPSW-09-083102FT | 1 / 6 | 2.6 - 3.8 | 1.8 |
| Iron | | | | | | 0 / 6 | 8.6 - 24.5 | 6.9 |
| Lead | | | | | | 0 / 6 | 0.7 - 1.3 | 0.51 |
| Magnesium | 4950 | | 5640 | | IPSW-09-042602FT | 6 / 6 | N/A | 5223 |
| Manganese | 1.1 | | 34.5 | | IPSW-09-051502FT | 3 / 6 | 0.47 - 0.5 | 7.5 |
| Mercury | | | | | | 0 / 6 | 0.1 | 0.050 |
| Nickel | 0.665 | J | 0.665 | J | IPSW-09-072502FT | 1 / 6 | 0.6 - 1.7 | 0.53 |
| Potassium | 3585 | | 5600 | | IPSW-09-042602FT | 6 / 6 | N/A | 4366 |
| Selenium | | | | | | 0 / 6 | 2.1 - 3 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 60100 | | 108500 | | IPSW-09-042602FT | 6 / 6 | N/A | 74692 |
| Thallium | | | | | | 0 / 6 | 2.2 - 4.2 | 1.4 |
| Vanadium | 0.375 | J | 0.375 | J | IPSW-09-072502FT | 1 / 6 | 0.4 - 1.1 | 0.32 |
| Zinc | 2.975 | J | 2.975 | J | IPSW-09-072502FT | 1 / 6 | 0.7 - 16.4 | 3.2 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-239**
**SURFACE WATER DATA SUMMARY - GAUGING STATION 10 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Total Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 20.3 - 75.6 | 26 |
| Antimony | | | | | | 0 / 6 | 1.2 - 3.7 | 1.2 |
| Arsenic | 2.775 | J | 2.775 | J | IPSW-10-083102 | 1 / 6 | 1.3 - 3 | 1.4 |
| Barium | 35.3 | | 46.05 | | IPSW-10-101802 | 6 / 6 | N/A | 40 |
| Beryllium | | | | | | 0 / 6 | 0.1 - 0.2 | 0.092 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.4 | 0.18 |
| Calcium | 29400 | | 33100 | | IPSW-10-101802 | 6 / 6 | N/A | 31208 |
| Chromium | 0.78 | J | 2 | | IPSW-10-042602 | 4 / 6 | 0.4 - 0.99 | 0.89 |
| Cobalt | | | | | | 0 / 6 | 0.4 - 1.3 | 0.42 |
| Copper | 2.1 | J | 2.1 | J | IPSW-10-083102 | 1 / 6 | 2.5 - 5.1 | 1.7 |
| Iron | 122.5 | | 122.5 | | IPSW-10-101802 | 1 / 6 | 49.8 - 124 | 53 |
| Lead | 1.125 | J | 1.125 | J | IPSW-10-083102 | 1 / 6 | 0.7 - 2.3 | 0.72 |
| Magnesium | 5550 | | 7235 | | IPSW-10-101802 | 6 / 6 | N/A | 6039 |
| Manganese | 10.9 | | 55.45 | | IPSW-10-101802 | 6 / 6 | N/A | 25 |
| Mercury | 0.1 | J | 0.1 | J | IPSW-10-092502 | 1 / 6 | 0.1 | 0.058 |
| Nickel | 1.4 | J | 3.25 | J | IPSW-10-083102 | 2 / 6 | 0.9 - 1.9 | 1.2 |
| Potassium | 4120 | J | 5580 | | IPSW-10-042602 | 6 / 6 | N/A | 4649 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3.2 | 1.3 |
| Silver | | | | | | 0 / 6 | 0.5 - 0.8 | 0.31 |
| Sodium | 59150 | | 111000 | | IPSW-10-042602 | 6 / 6 | N/A | 77967 |
| Thallium | | | | | | 0 / 6 | 2.2 - 5.1 | 1.8 |
| Vanadium | 1 | J | 1 | J | IPSW-10-092502 | 1 / 6 | 0.4 - 1.6 | 0.46 |
| Zinc | | | | | | 0 / 6 | 0.7 - 16.7 | 3.0 |
| Dissolved Metals - ug/L | | | | | | | | |
| Aluminum | | | | | | 0 / 6 | 7.6 - 69.4 | 17 |
| Antimony | | | | | | 0 / 6 | 1.2 - 4 | 1.2 |
| Arsenic | 2.175 | J | 2.175 | J | IPSW-10-083102FT | 1 / 6 | 1.3 - 3 | 1.3 |
| Barium | 35.6 | | 42.75 | | IPSW-10-101802FT | 6 / 6 | N/A | 38 |
| Beryllium | | | | | | 0 / 6 | 0.1 - 0.66 | 0.13 |
| Cadmium | | | | | | 0 / 6 | 0.2 - 0.4 | 0.18 |
| Calcium | 28900 | | 34200 | | IPSW-10-042602FT | 6 / 6 | N/A | 31267 |
| Chromium | 0.56 | J | 1 | | IPSW-10-051502FT | 3 / 6 | 0.4 - 1.2 | 0.60 |
| Cobalt | | | | | | 0 / 6 | 0.4 - 0.7 | 0.29 |
| Copper | 1.1 | J | 1.7 | J | IPSW-10-092502FT | 2 / 6 | 1.8 - 3.7 | 1.4 |
| Iron | | | | | | 0 / 6 | 8.6 - 15.3 | 5.8 |
| Lead | | | | | | 0 / 6 | 0.7 - 2.3 | 0.64 |
| Magnesium | 5730 | | 6995 | | IPSW-10-101802FT | 6 / 6 | N/A | 6079 |
| Manganese | 0.32 | J | 7.8 | | IPSW-10-042602FT | 2 / 6 | 0.33 - 1.7 | 1.6 |
| Mercury | | | | | | 0 / 6 | 0.1 | 0.050 |
| Nickel | 0.515 | J | 0.81 | J | IPSW-10-072502FT | 2 / 6 | 0.9 - 1.6 | 0.60 |
| Potassium | 4090 | | 5810 | | IPSW-10-042602FT | 6 / 6 | N/A | 4648 |
| Selenium | | | | | | 0 / 6 | 1.7 - 3.2 | 1.3 |
| Silver | 0.55 | J | 0.55 | J | IPSW-10-051502FT | 1 / 6 | 0.5 - 0.8 | 0.36 |
| Sodium | 55500 | J | 116000 | | IPSW-10-042602FT | 6 / 6 | N/A | 77942 |
| Thallium | | | | | | 0 / 6 | 2.4 - 5.1 | 1.8 |
| Vanadium | | | | | | 0 / 6 | 0.3 - 0.7 | 0.27 |
| Zinc | | | | | | 0 / 6 | 0.7 - 14.4 | 2.1 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-240**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 05 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-05-042602 | IPSW-05-051502 | IPSW-05-072502 | IPSW-05-083102 | IPSW-05-092502 | IPSW-05-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Antimony | 2.2 U | 2.2 U | 3.9 U | 1.7 U | 3.9 | 3.3 U |
| Arsenic | 14.95 | 23.3 | 17.5 | 12.6 | 11.5 | 12 |
| Barium | 23.9 | 25.4 | 37 | 23.2 | 40.7 | 32.4 J |
| Calcium | 23450 | 19700 | 27400 | 21500 | 34600 | 31000 |
| Chromium | 12.1 | 7.8 | 10.3 | 6.2 | 2.6 U | 4.2 |
| Cobalt | 0.75 UJ | 0.89 UJ | 2.4 U | 1.2 U | 2 U | 2.2 |
| Copper | 12.8 J | 9.4 J | 10.5 U | 8.4 | 7.7 U | 6.3 U |
| Iron | 2095 | 2210 | 1850 | 1160 | 1150 | 1460 |
| Lead | 6.4 U | 5.1 | 6 J | 4.4 | 2.5 UJ | 3 U |
| Magnesium | 3770 | 3020 | 4060 | 3070 | 5230 | 4840 |
| Manganese | 225.5 | 155 | 233 | 159 | 124 | 529 |
| Mercury | 0.1 U | 0.13 J | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Nickel | 1.9 U | 0.9 U | 2.8 | 1.5 | 3.3 U | 3 |
| Potassium | 3860 | 2930 | 4110 J | 3260 | 5060 J | 4250 J |
| Sodium | 44800 | 30300 | 40200 | 24400 | 39300 | 39500 |
| Vanadium | 1.1 | 1.9 U | 2.6 | 0.67 U | 2.3 U | 1.9 U |
| Zinc | 96.4 | 63.2 | 70.7 J | 108 | 80.4 | 53.9 J |
| Dissolved Metals (ug/L) | | | | | | |
| Antimony | 2.2 U | 2.8 J | 1.9 UJ | 3.1 UJ | 3.7 U | 3 U |
| Arsenic | 2.2 J | 12.6 | 2.3 J | 2.5 U | 2.5 U | 3 U |
| Barium | 18.2 | 19.2 | 29.8 | 21.3 | 31.4 | 30.3 |
| Calcium | 22600 | 18600 | 28200 | 20400 | 34700 | 32400 |
| Chromium | 1.35 | 1.8 U | 1.3 U | 1.3 U | 1.6 | 1.9 |
| Cobalt | 0.7 U | 0.7 U | 0.44 UJ | 0.69 UJ | 0.6 U | 1.8 |
| Copper | 4.1 U | 3.7 UJ | 2.3 U | 3.4 U | 4.5 | 4.3 U |
| Iron | 355.5 | 968 | 129 | 88.4 U | 60.7 | 244 |
| Magnesium | 3615 | 2820 | 4200 | 2920 | 4960 | 5240 |
| Manganese | 192.5 | 114 | 153 | 125 | 70.3 | 498 |
| Nickel | 1.4 UJ | 1.4 J | 1.5 | 1.3 U | 1.8 J | 2.2 |
| Potassium | 3710 | 2740 | 4330 J | 3250 | 5660 | 4440 J |
| Sodium | 43650 | 28500 | 39700 | 23600 | 31600 J | 41200 |
| Vanadium | 0.4 U | 0.89 U | 0.4 U | 0.3 U | 0.7 U | 1.1 J |
| Zinc | 50.55 | 42.3 U | 42.6 J | 78.8 | 66.2 | 44.8 |

**TABLE 2-241**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 06 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-06-042602 | IPSW-06-051502 | IPSW-06-072502 | IPSW-06-083102 | IPSW-06-092502 | IPSW-06-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Aluminum | 513 | 281 | 230 U | 224 U | 369 | 512.5 |
| Antimony | 2.6 UJ | 2.2 U | 1.6 U | 1.7 U | 3.9 | 1.5 UJ |
| Arsenic | 16.8 | 21.2 | 15.2 | 15.2 | 25.5 | 25.45 |
| Barium | 33 | 28.2 | 34.7 | 24.4 | 47.9 | 37.15 J |
| Calcium | 28300 | 22100 | 27400 | 19400 | 35000 | 32750 |
| Chromium | 17.6 | 8 | 10.4 | 11.2 U | 19.8 J | 24.2 |
| Cobalt | 1.5 U | 1.3 J | 1 U | 0.57 UJ | 3.3 U | 2.1 |
| Copper | 112 J | 11.9 | 10.9 | 11.9 U | 19.7 | 23.15 |
| Iron | 3010 | 2150 | 1920 | 1540 | 2770 | 3405 |
| Lead | 14.3 | 7.1 UJ | 7.1 U | 7.9 UJ | 11.9 | 16.25 |
| Magnesium | 4710 | 3490 | 4490 | 2870 | 5590 | 5475 |
| Manganese | 415 | 210 | 218 | 177 | 330 | 490 |
| Mercury | 0.12 J | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.16 J |
| Nickel | 2.6 U | 2.3 | 1.4 J | 1.7 U | 4.4 U | 3.3 |
| Potassium | 4230 | 3190 | 4140 J | 3010 | 5290 J | 4975 J |
| Sodium | 64300 | 38200 | 43800 | 27300 | 46600 | 45850 |
| Vanadium | 2.1 | 1.7 U | 1.2 U | 1.1 U | 3.5 U | 2.1 |
| Zinc | 92.8 | 63.4 | 65.9 | 83.3 | 108 | 118 |
| Dissolved Metals (ug/L) | | | | | | |
| Antimony | 2.2 U | 3.9 UJ | 1.7 J | 4.9 U | 3.7 U | 1.2 U |
| Arsenic | 3.4 J | 11.8 | 2.5 J | 2.5 U | 3.8 J | 2.55 J |
| Barium | 22 | 23.6 | 31.3 | 24.1 | 34.3 | 29.45 |
| Calcium | 26100 | 22900 | 27100 | 21200 | 36100 | 32150 |
| Chromium | 2.9 | 2.2 | 1.2 UJ | 1.7 U | 1.9 | 1.9 |
| Copper | 51.7 | 6.1 UJ | 4.2 | 5 | 6 | 4.7 U |
| Iron | 595 | 790 | 116 U | 91.9 U | 211 | 378 |
| Magnesium | 4260 | 3560 | 4420 | 3090 | 5330 | 5325 |
| Manganese | 205 | 110 | 145 | 107 | 97.9 | 255 |
| Nickel | 2.1 U | 0.9 U | 1.2 J | 1.1 UJ | 2.1 | 1.9 J |
| Potassium | 3820 | 3280 | 4080 J | 3350 | 6190 | 4885 J |
| Sodium | 60200 | 40000 | 43400 | 30100 | 40800 J | 45600 |
| Zinc | 44.1 | 39.4 | 33 J | 60.5 | 58 | 48.15 J |

**TABLE 2-242**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 07 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-07-042602 | IPSW-07-051502 | IPSW-07-072502 | IPSW-07-083102 | IPSW-07-092502 | IPSW-07-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Aluminum | 651 | 386 | 115 UJ | 130 U | 116 U | 288 U |
| Antimony | 2.6 UJ | 3 UJ | 1.6 U | 1.7 U | 1.25 J | 2.8 U |
| Arsenic | 11.7 | 18.1 | 5.35 | 4.8 J | 7.25 | 11.2 |
| Barium | 29.3 | 25.9 | 30.75 | 25.2 | 28.85 | 31.4 |
| Calcium | 20600 | 19300 | 25650 | 23000 | 24350 | 24900 |
| Chromium | 13.2 | 6.8 | 2.95 J | 4 U | 3.3 U | 8.2 |
| Cobalt | 1.8 U | 0.73 UJ | 0.4 U | 0.4 U | 0.4 U | 1.5 |
| Copper | 51.7 J | 12.2 J | 6.5 | 8.4 | 8.4 U | 11.6 |
| Iron | 2520 | 1930 J | 909.5 | 777 | 880.5 | 1660 |
| Lead | 17 | 9.1 | 3.5 | 5.7 UJ | 3.7 UJ | 7.9 J |
| Magnesium | 3490 | 3050 | 4065 | 3330 | 3910 | 4250 |
| Manganese | 308 | 156 | 157 | 128 | 114.5 | 224 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.11 J |
| Nickel | 2.7 U | 2.2 | 1.25 J | 0.92 UJ | 1.2 UJ | 2.4 |
| Potassium | 3430 | 2980 | 3850 J | 3260 | 3910 J | 3840 J |
| Sodium | 46700 | 34100 | 43800 | 29200 | 36750 | 37300 |
| Vanadium | 2.9 | 2.3 U | 0.56 J | 0.64 U | 1 U | 2.3 |
| Zinc | 111 | 62.4 | 36.15 J | 59 | 49.7 J | 71.8 J |
| Dissolved Metals (ug/L) | | | | | | |
| Arsenic | 2 U | 7.7 | 1.375 J | 2.5 U | 3.2 | 3.6 J |
| Barium | 17.9 | 22.5 | 28.75 | 23.5 | 26.95 | 24.7 |
| Calcium | 19300 | 20400 | 25500 | 22900 | 24200 | 25200 |
| Chromium | 2.2 | 1.6 | 1.6 U | 1.7 U | 0.82 UJ | 1.5 J |
| Cobalt | 0.7 U | 0.7 U | 0.4 U | 0.4 U | 0.4 U | 0.74 J |
| Copper | 20.3 | 4.5 U | 4.6 | 6.2 | 5 U | 5.5 U |
| Iron | 165 | 722 | 74.225 J | 49.5 U | 205.5 | 224 |
| Lead | 2 UJ | 2.5 | 0.7 U | 1.3 U | 0.9 UJ | 1.2 U |
| Magnesium | 3160 | 3150 | 4050 | 3280 | 3855 | 4230 |
| Manganese | 164 | 101 | 75.25 | 83.9 | 27.5 | 138 |
| Nickel | 1.6 UJ | 1.3 J | 1.03 J | 1.2 U | 1 UJ | 1.1 J |
| Potassium | 3170 | 3140 | 3810 J | 3240 | 3885 | 3880 |
| Sodium | 44300 | 36600 | 43500 | 29000 | 36300 | 38400 |
| Vanadium | 0.4 U | 0.84 U | 0.4 U | 0.5 UJ | 0.4 U | 0.88 J |
| Zinc | 40.2 | 36.1 | 20.85 J | 43.6 | 34.5 J | 39.8 |

**TABLE 2-243**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 08 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-08-00-042602 | IPSW-08-00-051602 | IPSW-08-00-072502 | IPSW-08-00-083102 | IPSW-08-00-092502 | IPSW-08-00-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Aluminum | 674 | 3397 | 109 | 579 | 331 | 158 |
| Antimony | 1.1 | 1.8 | 0.82 | 1.1 | 1.2 | 0.96 |
| Arsenic | 7.9 | 30 | 6.0 | 8.5 | 6.7 | 4.5 |
| Barium | 31 | 95 | 33 | 32 | 31 | 23 |
| Beryllium | 0.10 | 0.22 | 0.27 | 0.11 | 0.094 | 0.10 |
| Cadmium | 0.31 | 1.3 | 0.10 | 0.20 | 0.14 | 0.15 |
| Calcium | 24603 | 19752 | 23103 | 21414 | 20342 | 18397 |
| Chromium | 11 | 59 | 3.1 | 7.3 | 6.8 | 3.4 |
| Cobalt | 0.99 | 4.1 | 0.30 | 0.61 | 0.46 | 0.44 |
| Copper | 36 | 79 | 4.1 | 16 | 15 | 7.1 |
| Iron | 2202 | 8858 | 1027 | 2165 | 1519 | 839 |
| Lead | 18 | 83 | 4.1 | 18 | 13 | 3.9 |
| Magnesium | 4029 | 3963 | 3824 | 3404 | 3335 | 3177 |
| Manganese | 305 | 807 | 168 | 348 | 245 | 155 |
| Mercury | 0.062 | 0.24 | 0.057 | 0.069 | 0.086 | 0.054 |
| Nickel | 1.3 | 6.5 | 1.1 | 1.3 | 1.2 | 0.93 |
| Potassium | 3844 | 3425 | 3442 | 3055 | 3336 | 3110 |
| Selenium | 1.1 | 1.7 | 1.5 | 1.2 | 1.5 | 1.5 |
| Silver | 0.25 | 0.38 | 0.35 | 0.27 | 0.35 | 0.40 |
| Sodium | 52968 | 36236 | 41525 | 29524 | 31841 | 30534 |
| Thallium | 1.2 | 1.5 | 1.3 | 2.2 | 1.8 | 1.2 |
| Vanadium | 2.6 | 10 | 0.87 | 2.5 | 1.2 | 1.0 |
| Zinc | 170 | 307 | 25 | 69 | 56 | 44 |
| Dissolved Metals (ug/L) | | | | | | |
| Aluminum | 9.9 | 37 | 29 | 14 | 24 | 29 |
| Antimony | 1.1 | 1.6 | 1.3 | 1.9 | 1.1 | 0.79 |
| Arsenic | 1.7 | 3.4 | 1.3 | 1.4 | 2.2 | 1.9 |
| Barium | 22 | 23 | 31 | 23 | 25 | 21 |
| Beryllium | 0.10 | 0.13 | 0.25 | 0.10 | 0.085 | 0.10 |
| Cadmium | 0.20 | 0.20 | 0.11 | 0.20 | 0.13 | 0.15 |
| Calcium | 23200 | 18014 | 23547 | 20624 | 19997 | 18661 |
| Chromium | 1.9 | 0.97 | 0.59 | 0.53 | 0.65 | 1.6 |
| Cobalt | 0.35 | 0.40 | 0.24 | 0.21 | 0.26 | 0.35 |
| Copper | 14 | 2.0 | 3.4 | 3.4 | 3.2 | 2.4 |
| Iron | 184 | 315 | 59 | 22 | 124 | 240 |
| Lead | 1.6 | 1.6 | 0.68 | 3.8 | 0.70 | 0.83 |
| Magnesium | 3742 | 2823 | 3854 | 3084 | 3200 | 3202 |
| Manganese | 159 | 104 | 63 | 34 | 22 | 127 |
| Mercury | 0.050 | 0.055 | 0.050 | 0.050 | 0.059 | 0.050 |
| Nickel | 0.83 | 0.57 | 1.0 | 0.54 | 0.66 | 0.79 |
| Potassium | 3643 | 2900 | 3506 | 3057 | 3228 | 3170 |
| Selenium | 1.1 | 1.4 | 1.5 | 1.1 | 1.5 | 1.5 |
| Silver | 0.25 | 0.29 | 0.39 | 0.25 | 0.36 | 0.40 |
| Sodium | 51989 | 35719 | 42503 | 28559 | 31727 | 31087 |
| Thallium | 1.1 | 1.4 | 1.3 | 2.1 | 1.8 | 1.2 |
| Vanadium | 0.24 | 0.37 | 0.33 | 0.31 | 0.28 | 0.45 |
| Zinc | 34 | 21 | 11 | 18 | 16 | 33 |

**TABLE 2-244**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 09 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-09-042602 | IPSW-09-051502 | IPSW-09-072502 | IPSW-09-083102 | IPSW-09-092502 | IPSW-09-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Antimony | 2.2 U | 2.5 J | 1.6 U | 2.8 UJ | 1.6 U | 1.2 U |
| Arsenic | 1.95 J | 2 U | 2.35 J | 9.3 U | 4.2 | 3 U |
| Barium | 35.85 | 33.6 | 32.15 | 35 | 36.05 | 35.75 |
| Cadmium | 0.38 J | 0.4 U | 0.36 UJ | 0.4 U | 0.2 U | 0.3 U |
| Calcium | 34650 | 30500 | 30150 | 30800 | 30650 | 31950 |
| Chromium | 0.605 J | 1.2 U | 0.6 U | 0.4 UJ | 0.6 U | 0.8 U |
| Copper | 3.2 UJ | 3.6 U | 4.5 U | 3.5 | 4.6 U | 3.7 U |
| Iron | 136 U | 234 | 187 | 212 | 99.1 U | 77.75 J |
| Lead | 1.1 U | 2.3 UJ | 1.035 J | 1.3 J | 0.7 U | 1.4 UJ |
| Magnesium | 5695 | 4970 | 5010 | 5060 | 5335 | 5735 |
| Manganese | 57.5 | 72.4 | 37.4 | 50 | 22.7 | 46.3 |
| Nickel | 1.6 UJ | 1.4 J | 0.55 J | 0.92 UJ | 0.77 UJ | 1 U |
| Potassium | 5645 | 4460 | 4085 J | 4750 | 3690 J | 4100 J |
| Sodium | 109000 | 77600 | 68450 | 63600 | 64600 | 72550 |
| Vanadium | 0.4 U | 1.3 U | 0.62 J | 0.93 J | 0.79 UJ | 0.7 U |
| Zinc | 16.5 U | 115 J | 7.45 J | 9.8 U | 2.4 J | 3.2 UJ |
| Dissolved Metals (ug/L) | | | | | | |
| Antimony | 2.2 U | 4 J | 1.6 U | 4.8 U | 1.6 U | 1.2 U |
| Arsenic | 1.95 J | 2 U | 1.025 J | 2.6 J | 3.55 | 3 U |
| Barium | 34.1 | 29.9 | 31 | 32.3 | 34.1 | 33.85 |
| Cadmium | 0.305 J | 0.4 U | 0.26 UJ | 0.4 U | 0.2 U | 0.3 U |
| Calcium | 34300 | 30200 | 30000 | 30300 | 30050 | 31100 |
| Copper | 2.6 U | 3.1 U | 3.8 U | 2.6 | 3.7 U | 3.2 U |
| Magnesium | 5640 | 4980 | 4970 | 4950 | 5220 | 5580 |
| Manganese | 8.4 | 34.5 | 0.5 UJ | 1.1 | 0.5 U | 0.47 U |
| Nickel | 1.7 UJ | 0.9 U | 0.665 J | 0.6 U | 0.8 UJ | 1 U |
| Potassium | 5600 | 4480 | 4115 | 4450 | 3585 | 3965 |
| Sodium | 108500 | 77800 | 68450 | 60100 | 62950 | 70350 |
| Vanadium | 0.4 U | 0.51 UJ | 0.375 J | 1.1 U | 0.4 U | 0.7 U |
| Zinc | 12.2 U | 16.4 U | 2.975 J | 1.8 UJ | 0.7 U | 1.1 U |

**TABLE 2-245**
**SURFACE WATER DATA HITS TABLE - GAUGING STATION 10 - STORM EVENT**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | IPSW-10-042602 | IPSW-10-051502 | IPSW-10-072502 | IPSW-10-083102 | IPSW-10-092502 | IPSW-10-101802 |
|---|---|---|---|---|---|---|
| Total Metals (ug/L) | | | | | | |
| Arsenic | 2 U | 2 U | 1.3 U | 2.775 J | 2.5 U | 3 U |
| Barium | 39.3 | 35.3 | 41.4 | 36.55 | 40.7 | 46.05 |
| Calcium | 33000 | 30800 | 29400 | 29850 | 31100 | 33100 |
| Chromium | 2 | 0.78 J | 0.99 UJ | 0.4 UJ | 0.83 J | 1.035 J |
| Copper | 3.1 UJ | 2.9 UJ | 5.1 U | 2.1 J | 2.5 UJ | 2.6 UJ |
| Iron | 124 U | 58.4 UJ | 79.2 U | 74.8 U | 49.8 U | 122.5 |
| Lead | 1.1 U | 1.1 U | 0.7 U | 1.125 J | 2.3 UJ | 1.2 U |
| Magnesium | 6050 | 5640 | 5550 | 5670 | 6090 | 7235 |
| Manganese | 41.4 | 12.8 | 10.9 | 11.55 | 15.7 | 55.45 |
| Mercury | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 J | 0.1 U |
| Nickel | 1.9 U | 0.9 U | 1.4 J | 3.25 J | 1 U | 1 U |
| Potassium | 5580 | 4760 | 4120 J | 4395 | 4650 | 4390 J |
| Sodium | 111000 | 87900 | 72600 | 59150 | 59800 J | 77350 |
| Vanadium | 0.4 U | 0.4 U | 1.6 U | 0.45 UJ | 1 J | 0.7 U |
| Dissolved Metals (ug/L) | | | | | | |
| Arsenic | 2 U | 2 U | 1.3 U | 2.175 J | 2.5 U | 3 U |
| Barium | 38 | 35.6 | 36.5 | 36.6 | 37.1 | 42.75 |
| Calcium | 34200 | 32200 | 28900 | 30300 | 30000 | 32000 |
| Chromium | 0.56 J | 1 | 1.2 UJ | 0.4 UJ | 0.82 J | 0.8 U |
| Copper | 3.7 U | 3.5 U | 1.8 U | 1.1 J | 1.7 J | 2 UJ |
| Magnesium | 6300 | 5890 | 5730 | 5780 | 5780 | 6995 |
| Manganese | 7.8 | 1.7 U | 0.5 UJ | 0.32 J | 0.33 UJ | 0.67 U |
| Nickel | 1.6 UJ | 0.9 U | 0.81 J | 0.515 J | 1 U | 1 U |
| Potassium | 5810 | 4990 | 4090 | 4525 | 4270 | 4205 |
| Silver | 0.5 U | 0.55 J | 0.7 U | 0.5 U | 0.7 U | 0.8 U |
| Sodium | 116000 | 92700 | 68100 | 60550 | 55500 J | 74800 |

**TABLE 2-246**
**SEDIMENT DATA SUMMARY - AJRW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 3600 | | 14000 | | SD-AJRW03 | 15 / 15 | N/A | 8407 |
| Antimony | | | | | | 0 / 15 | 9.4 - 11 | 4.9 |
| Arsenic | 20 | | 57.5 | J | SD-AJRW02 | 7 / 14 | 9.4 - 20 | 22 |
| Barium | 20 | | 89.5 | | SD-AJRW02 | 15 / 15 | N/A | 52 |
| Beryllium | 0.98 | | 0.98 | | SD-AJRW03 | 1 / 15 | 0.94 - 1.1 | 0.53 |
| Cadmium | 3.6 | | 3.8 | | SD-AJRW05 | 3 / 15 | 2.8 - 3.3 | 1.9 |
| Calcium | 1600 | | 5800 | | SD-AJRW02 | 15 / 15 | N/A | 3053 |
| Chromium | 11 | | 235 | | SD-AJRW09 | 15 / 15 | N/A | 89 |
| Cobalt | 4.1 | | 17 | | SD-AJRW03 | 15 / 15 | N/A | 8.7 |
| Copper | 11 | | 190 | | SD-AJRW09 | 15 / 15 | N/A | 92 |
| Iron | 8800 | | 25000 | | SD-AJRW02 | 15 / 15 | N/A | 14553 |
| Lead | 35 | | 1000 | | SD-AJRW04 | 15 / 15 | N/A | 259 |
| Magnesium | 1800 | | 4800 | | SD-AJRW07 | 15 / 15 | N/A | 3207 |
| Manganese | 91 | | 445 | | SD-AJRW02 | 15 / 15 | N/A | 221 |
| Mercury | 0.051 | J | 1.045 | | SD-AJRW09 | 14 / 15 | 0.025 | 0.51 |
| Nickel | 6.9 | | 24 | | SD-AJRW02 | 15 / 15 | N/A | 14 |
| Potassium | 1200 | | 1300 | | SD-AJRW03 | 3 / 15 | 940 - 1100 | 646 |
| Selenium | | | | | | 0 / 15 | 9.4 - 20 | 6.9 |
| Silver | | | | | | 0 / 15 | 2.8 - 3.3 | 1.5 |
| Sodium | 795 | J | 795 | J | SD-AJRW02 | 1 / 15 | 940 - 1100 | 513 |
| Thallium | | | | | | 0 / 9 | 47 - 55 | 25 |
| Vanadium | 17 | | 53 | | SD-AJRW03 | 15 / 15 | N/A | 30 |
| Zinc | 51 | | 820 | | SD-AJRW03 | 15 / 15 | N/A | 334 |
| Total Organic Carbon (mg/Kg) | 20000 | | 74300 | | SD-AJRW02 | 14 / 15 | 6410 | 39924 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-247**
**SEDIMENT DATA HITS TABLE - AJRW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AJRW01 | SD-AJRW02 | SD-AJRW03 | SD-AJRW04 | SD-AJRW05 | SD-AJRW06 | SD-AJRW07 | SD-AJRW09 | SD-AJRW11 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 3600 | 11500 | 14000 | 6200 | 11000 | 8200 | 8900 | 12500 | 4700 |
| Arsenic | 9.4 U | 57.5 J | 42 J | R | 48 J | 29 J | 20 U | 20 U | 20 U |
| Barium | 20 | 89.5 | 80 | 29 | 81 | 51 | 44 | 74.5 | 33 |
| Beryllium | 0.94 U | 0.98 U | 0.98 | 0.94 U | 0.98 U | 1 U | 1 UJ | 1 UJ | 0.98 UJ |
| Cadmium | 2.8 U | 3.75 | 3.6 | 2.8 U | 3.8 | 3 U | 3 U | 3 U | 2.9 U |
| Calcium | 1600 | 5800 | 4500 | 2500 | 4900 | 3400 | 3000 | 3400 | 1800 |
| Chromium | 11 | 145 | 160 | 20 | 130 | 89 | 16 | 235 | 41 |
| Cobalt | 4.1 | 15.5 | 17 | 6.9 | 15 | 11 | 7.9 | 7.7 | 5.4 |
| Copper | 11 | 165 | 120 | 19 | 150 | 92 | 59 | 190 | 42 |
| Iron | 8800 | 25000 | 20000 | 11000 | 22000 | 15000 | 15000 | 15500 | 10000 |
| Lead | 35 | 260 | 440 | 1000 | 330 | 150 | 210 | 470 | 78 |
| Magnesium | 1800 | 4200 | 4200 | 3300 | 3900 | 3200 | 4800 | 4300 | 1900 |
| Manganese | 130 | 445 | 210 | 260 | 360 | 220 | 160 | 145 | 200 |
| Mercury | 0.025 U | 0.835 J | 0.94 J | 0.051 J | 0.68 J | 0.46 J | 0.15 | 1.045 | 0.24 |
| Nickel | 6.9 | 24 | 21 | 12 | 23 | 17 | 11 | 17 | 9.7 |
| Potassium | 940 U | 1250 | 1300 | 940 U | 1200 | 1000 U | 1000 U | 1000 U | 980 U |
| Sodium | 940 U | 795 J | 940 U | 940 U | 980 U | 1000 U | 1000 U | 1000 U | 980 U |
| Vanadium | 17 | 42.5 | 53 | 19 | 42 | 28 | 27 | 47.5 | 19 |
| Zinc | 51 | 740 | 820 | 140 | 720 | 470 | 190 | 395 | 150 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 6410 U | 74300 | 49300 | 22200 | 26700 | 20000 | 30700 | 73150 | 29900 |

**TABLE 2-247**
**SEDIMENT DATA HITS TABLE - AJRW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SD-AJRW13 | SD-AJRW15 | SD-AJRW17 | SD-AJRW19 | SD-AJRW21 | SD-AJRW23 |
|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | |
| Aluminum | 6200 | 7600 | 8600 | 9200 | 6600 | 7300 |
| Arsenic | 19 U | 20 U | 29 | 22 | 20 U | 20 |
| Barium | 35 | 40 | 60 | 52 | 39 | 47 |
| Beryllium | 0.94 UJ | 1 UJ | 1.1 UJ | 1 UJ | 0.98 UJ | 1 UJ |
| Cadmium | 2.8 U | 3 U | 3.3 U | 3 U | 2.9 U | 3 U |
| Calcium | 2300 | 2300 | 2700 | 2600 | 2600 | 2400 |
| Chromium | 63 | 60 | 100 | 120 | 67 | 82 |
| Cobalt | 4.9 | 6.4 | 9 | 8 | 4.4 | 7.1 |
| Copper | 64 | 84 | 120 | 110 | 72 | 85 |
| Iron | 10000 | 12000 | 17000 | 14000 | 10000 | 13000 |
| Lead | 130 | 130 | 180 | 190 | 150 | 130 |
| Magnesium | 2600 | 2700 | 3000 | 3000 | 2500 | 2700 |
| Manganese | 130 | 190 | 330 | 210 | 91 | 240 |
| Mercury | 0.38 | 0.43 | 0.79 | 0.7 | 0.5 | 0.5 |
| Nickel | 10 | 9.9 | 15 | 14 | 9.9 | 11 |
| Potassium | 940 U | 1000 U | 1100 U | 1000 U | 980 U | 1000 U |
| Sodium | 940 U | 1000 U | 1100 U | 1000 U | 980 U | 1000 U |
| Vanadium | 22 | 24 | 30 | 29 | 24 | 25 |
| Zinc | 150 | 200 | 350 | 300 | 120 | 220 |
| TOC/TCO (mg/Kg) | | | | | | |
| Total Organic Carbon | 33700 | 50300 | 53500 | 58500 | 28300 | 45100 |

**TABLE 2-248**
**SURFACE SOIL DATA SUMMARY - AJRW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 6400 | | 17000 | | SO-AJRW12 | 9 / 9 | N/A | 11311 |
| Antimony | | | | | | 0 / 9 | 9.6 - 10 | 4.9 |
| Arsenic | 24 | | 98 | | SO-AJRW22 | 7 / 9 | 19 - 20 | 46 |
| Barium | 20 | | 220 | | SO-AJRW16 | 9 / 9 | N/A | 62 |
| Beryllium | | | | | | 0 / 9 | 0.96 - 1 | 0.49 |
| Cadmium | | | | | | 0 / 9 | 2.9 - 3 | 1.5 |
| Calcium | 680 | | 4800 | | SO-AJRW10 | 9 / 9 | N/A | 2090 |
| Chromium | 19 | | 90 | | SO-AJRW18 | 9 / 9 | N/A | 40 |
| Cobalt | 3.5 | | 21 | | SO-AJRW12 | 9 / 9 | N/A | 9.1 |
| Copper | 26 | | 200 | | SO-AJRW24 | 9 / 9 | N/A | 64 |
| Iron | 11000 | | 34000 | | SO-AJRW12 | 9 / 9 | N/A | 17667 |
| Lead | 88 | | 930 | | SO-AJRW16 | 9 / 9 | N/A | 298 |
| Magnesium | 1600 | | 11000 | | SO-AJRW12 | 9 / 9 | N/A | 4222 |
| Manganese | 63 | | 600 | | SO-AJRW12 | 9 / 9 | N/A | 229 |
| Mercury | 0.22 | | 1.2 | | SO-AJRW10 | 9 / 9 | N/A | 0.43 |
| Nickel | 7 | | 33 | | SO-AJRW12 | 9 / 9 | N/A | 14 |
| Potassium | 1300 | | 1300 | | SO-AJRW12 | 1 / 9 | 960 - 1000 | 583 |
| Selenium | | | | | | 0 / 9 | 9.6 - 10 | 4.9 |
| Silver | | | | | | 0 / 9 | 2.9 - 3 | 1.5 |
| Sodium | | | | | | 0 / 9 | 960 - 1000 | 493 |
| Thallium | | | | | | 0 / 9 | 48 - 50 | 25 |
| Vanadium | 29 | | 70 | | SO-AJRW12 | 9 / 9 | N/A | 44 |
| Zinc | 25 | | 250 | | SO-AJRW24 | 9 / 9 | N/A | 112 |
| Total Organic Carbon (mg/Kg) | 35400 | | 143000 | | SO-AJRW16 | 9 / 9 | N/A | 70011 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-249**
**SURFACE SOIL DATA HITS TABLE - AJRW**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SO-AJRW08 | SO-AJRW10 | SO-AJRW12 | SO-AJRW14 | SO-AJRW16 | SO-AJRW18 | SO-AJRW20 | SO-AJRW22 | SO-AJRW24 |
|---|---|---|---|---|---|---|---|---|---|
| Metals (mg/Kg) | | | | | | | | | |
| Aluminum | 10000 | 12000 | 17000 | 11000 | 10000 | 9400 | 11000 | 6400 | 15000 |
| Arsenic | 28 | 55 | 30 | 79 | 84 | 24 | 19 U | 98 | 20 U |
| Barium | 49 | 58.5 | 62 | 34 | 220 | 47 | 20 | 20 | 49 |
| Calcium | 2800 | 4800 | 3300 | 1300 | 1400 | 1800 | 930 | 680 | 1800 |
| Chromium | 49 | 24.5 | 48 | 19 | 30 | 90 | 36 | 21 | 42 |
| Cobalt | 9.1 | 13 | 21 | 6.3 | 5.8 | 7.9 | 5.1 | 3.5 | 10 |
| Copper | 54 | 37.5 | 59 | 26 | 38 | 92 | 38 | 28 | 200 |
| Iron | 17000 | 22000 | 34000 | 16000 | 15000 | 15000 | 11000 | 11000 | 18000 |
| Lead | 260 | 315 | 120 | 280 | 930 | 160 | 88 | 420 | 110 |
| Magnesium | 4600 | 5800 | 11000 | 3000 | 2500 | 2900 | 2300 | 1600 | 4300 |
| Manganese | 210 | 335 | 600 | 150 | 160 | 220 | 120 | 63 | 200 |
| Mercury | 0.3 | 1.2 | 0.24 | 0.24 | 0.55 | 0.56 | 0.22 | 0.23 | 0.35 |
| Nickel | 15 | 16 | 33 | 11 | 12 | 14 | 8.5 | 7 | 13 |
| Potassium | 1000 U | 960 U | 1300 | 1000 U | 1000 U | 980 U | 960 U | 1000 U | 1000 U |
| Vanadium | 45 | 50 | 70 | 47 | 54 | 29 | 31 | 38 | 33 |
| Zinc | 130 | 160 | 78 | 62 | 68 | 180 | 57 | 25 | 250 |
| TOC/TCO (mg/Kg) | | | | | | | | | |
| Total Organic Carbon | 70200 | 42400 | 39900 | 77900 | 143000 | 50600 | 59700 | 111000 | 35400 |

**TABLE 2-250**
**SEDIMENT CORE DATA SUMMARY - SC05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 13000 | | 19000 | | SC0523 | 4 / 4 | N/A | 15250 |
| Antimony | 13 | | 13 | | SC0523 | 1 / 4 | 8.2 - 12 | 7.3 |
| Arsenic | 210 | | 900 | | SC0523 | 4 / 4 | N/A | 535 |
| Barium | 55 | | 78 | | SC0523 | 4 / 4 | N/A | 65 |
| Beryllium | 1.1 | | 1.5 | | SC0523 | 2 / 4 | 1.2 | 0.95 |
| Cadmium | 4.2 | | 24 | | SC0534 | 4 / 4 | N/A | 12 |
| Calcium | 5000 | | 10000 | | SC0534 | 4 / 4 | N/A | 7325 |
| Chromium | 700 | | 1500 | | SC0523 | 4 / 4 | N/A | 1150 |
| Cobalt | 10 | | 17 | | SC0523 | 4 / 4 | N/A | 13 |
| Copper | 450 | | 1600 | | SC0523 | 4 / 4 | N/A | 990 |
| Iron | 24000 | | 50000 | | SC0523 | 4 / 4 | N/A | 33000 |
| Lead | 240 | | 640 | | SC0523 | 4 / 4 | N/A | 398 |
| Magnesium | 1700 | | 3100 | | SC0501 | 4 / 4 | N/A | 2225 |
| Manganese | 250 | | 390 | | SC0501 | 4 / 4 | N/A | 355 |
| Mercury | 3.5 | J | 26 | J | SC0523 | 4 / 4 | N/A | 11 |
| Nickel | 17 | | 22 | | SC0523 | 4 / 4 | N/A | 19 |
| Potassium | | | | | | 0 / 4 | 760 - 1200 | 498 |
| Selenium | | | | | | 0 / 4 | 15 - 24 | 9.9 |
| Silver | 1.5 | | 2 | | SC0523 | 2 / 4 | 1.8 | 1.3 |
| Sodium | 1800 | | 2100 | | SC0534 | 2 / 4 | 1200 | 1275 |
| Thallium | | | | | | 0 / 4 | 15 - 24 | 9.9 |
| Vanadium | 34 | | 61 | | SC0523 | 4 / 4 | N/A | 45 |
| Zinc | 790 | | 1900 | | SC0534 | 4 / 4 | N/A | 1248 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 7.5 | | 16 | | SC0523 | 4 / 4 | N/A | 12 |
| Total Organic Carbon (mg/Kg) | 65200 | | 184000 | | SC0534 | 4 / 4 | N/A | 116225 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-251**
**SEDIMENT CORE DATA SUMMARY - SC06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 2400 | | 19000 | | SC0612 | 4 / 4 | N/A | 12000 |
| Antimony | | | | | | 0 / 4 | 11 - 50 | 14 |
| Arsenic | 66 | | 1700 | | SC0612 | 4 / 4 | N/A | 859 |
| Barium | 14 | | 150 | | SC0601 | 4 / 4 | N/A | 66 |
| Beryllium | | | | | | 0 / 4 | 1.1 - 5 | 1.4 |
| Cadmium | 6.9 | | 48 | | SC0612 | 3 / 4 | 1.6 | 19 |
| Calcium | 2000 | | 6800 | | SC0601 | 4 / 4 | N/A | 4800 |
| Chromium | 52 | | 750 | | SC0601 | 4 / 4 | N/A | 443 |
| Cobalt | 10 | | 52 | | SC0601 | 3 / 4 | 3.3 | 22 |
| Copper | 41 | | 950 | | SC0612 | 4 / 4 | N/A | 500 |
| Iron | 5000 | | 120000 | | SC0601 | 4 / 4 | N/A | 47750 |
| Lead | 22 | | 620 | | SC0612 | 4 / 4 | N/A | 343 |
| Magnesium | 460 | | 3300 | | SC0601 | 4 / 4 | N/A | 1590 |
| Manganese | 110 | | 1800 | | SC0601 | 4 / 4 | N/A | 775 |
| Mercury | 0.31 | J | 8.2 | J | SC0601 | 4 / 4 | N/A | 4.8 |
| Nickel | 8 | | 39 | | SC0601 | 2 / 4 | 6.6 - 22 | 15 |
| Potassium | | | | | | 0 / 4 | 1100 - 5000 | 1363 |
| Selenium | | | | | | 0 / 4 | 22 - 100 | 27 |
| Silver | | | | | | 0 / 4 | 1.6 - 7.5 | 2.0 |
| Sodium | | | | | | 0 / 4 | 1100 - 5000 | 1363 |
| Thallium | | | | | | 0 / 4 | 22 - 100 | 27 |
| Vanadium | 5.3 | | 64 | | SC0601 | 4 / 4 | N/A | 35 |
| Zinc | 200 | | 4600 | | SC0612 | 4 / 4 | N/A | 1950 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 0.56 | | 8.0 | | SC0601 | 4 / 4 | N/A | 4.8 |
| Total Organic Carbon (mg/Kg) | 67000 | | 179000 | | SC0601 | 4 / 4 | N/A | 144750 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-252**
**SEDIMENT CORE DATA SUMMARY - SC07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 5200 | | 10000 | | SC0712 | 3 / 3 | N/A | 8367 |
| Antimony | | | | | | 0 / 4 | 8.2 - 34 | 7.9 |
| Arsenic | 61 | | 440 | | SC0701 | 4 / 4 | N/A | 208 |
| Barium | 19 | | 95 | | SC0701 | 4 / 4 | N/A | 50 |
| Beryllium | 1.2 | | 1.6 | | SC0723 | 2 / 4 | 1 - 3.4 | 1.3 |
| Cadmium | 2.7 | | 25 | | SC0701 | 4 / 4 | N/A | 11 |
| Calcium | 12000 | | 18000 | | SC0723 | 4 / 4 | N/A | 15750 |
| Chromium | 240 | | 2700 | | SC0701 | 4 / 4 | N/A | 1195 |
| Cobalt | 8.6 | | 68 | | SC0701 | 4 / 4 | N/A | 31 |
| Copper | 77 | | 910 | | SC0701 | 4 / 4 | N/A | 402 |
| Iron | 6500 | | 59000 | | SC0701 | 4 / 4 | N/A | 26125 |
| Lead | 36 | | 570 | | SC0701 | 4 / 4 | N/A | 237 |
| Magnesium | 1400 | | 3200 | | SC0701 | 4 / 4 | N/A | 2200 |
| Manganese | 270 | | 2600 | | SC0701 | 4 / 4 | N/A | 1060 |
| Mercury | 0.41 | J | 3.7 | J | SC0701 | 4 / 4 | N/A | 1.6 |
| Nickel | 9 | | 49 | | SC0701 | 4 / 4 | N/A | 23 |
| Potassium | | | | | | 0 / 4 | 820 - 6800 | 1215 |
| Selenium | | | | | | 0 / 4 | 16 - 68 | 16 |
| Silver | | | | | | 0 / 3 | 1.2 - 1.6 | 0.72 |
| Sodium | | | | | | 0 / 4 | 820 - 6800 | 1215 |
| Thallium | | | | | | 0 / 4 | 16 - 68 | 16 |
| Vanadium | 30 | | 72 | | SC0701 | 4 / 4 | N/A | 44 |
| Zinc | 460 | | 4800 | | SC0701 | 4 / 4 | N/A | 2115 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 2.6 | | 29 | | SC0701 | 4 / 4 | N/A | 13 |
| Total Organic Carbon (mg/Kg) | 188000 | | 322000 | | SC0712 | 4 / 4 | N/A | 256000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-253**
**SEDIMENT CORE DATA SUMMARY - SC08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 1700 | | 21500 | | SC0801 | 4 / 4 | N/A | 7550 |
| Antimony | | | | | | 0 / 4 | 9.8 - 50 | 10 |
| Arsenic | 140 | | 1250 | | SC0801 | 2 / 4 | 20 | 353 |
| Barium | 6.3 | | 93.5 | | SC0801 | 4 / 4 | N/A | 32 |
| Beryllium | | | | | | 0 / 4 | 0.98 - 5 | 1.0 |
| Cadmium | 3.6 | | 22.4 | | SC0801 | 2 / 4 | 1.4 - 1.5 | 6.9 |
| Calcium | 480 | | 8670 | | SC0801 | 4 / 4 | N/A | 3433 |
| Chromium | 5.5 | | 1430 | | SC0801 | 4 / 4 | N/A | 383 |
| Cobalt | 4.5 | | 31.1 | | SC0801 | 2 / 4 | 2.9 - 3 | 9.6 |
| Copper | 130 | | 1410 | | SC0801 | 2 / 4 | 2.9 - 3 | 386 |
| Iron | 1800 | | 58200 | | SC0801 | 4 / 4 | N/A | 17425 |
| Lead | 56 | | 676 | | SC0801 | 2 / 4 | 9.8 - 10 | 185 |
| Magnesium | 560 | | 2090 | | SC0801 | 4 / 4 | N/A | 1020 |
| Manganese | 25 | | 591 | | SC0801 | 4 / 4 | N/A | 205 |
| Mercury | 1 | | 14 | | SC0801 | 2 / 4 | 0.025 | 3.8 |
| Nickel | | | | | | 0 / 4 | 5.9 - 30 | 6.1 |
| Potassium | | | | | | 0 / 4 | 980 - 5000 | 1010 |
| Selenium | | | | | | 0 / 4 | 9.8 - 50 | 10 |
| Silver | | | | | | 0 / 3 | 1.4 - 1.6 | 0.75 |
| Sodium | | | | | | 0 / 4 | 980 - 5000 | 1010 |
| Thallium | | | | | | 0 / 4 | 20 - 100 | 20 |
| Vanadium | 12 | | 66.9 | | SC0801 | 2 / 4 | 2.9 - 3 | 20 |
| Zinc | 43 | | 2650 | | SC0801 | 4 / 4 | N/A | 859 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 0.059 | | 15 | | SC0801 | 4 / 4 | N/A | 4.1 |
| Total Organic Carbon (mg/Kg) | 4490 | J | 85000 | | SC0812 | 3 / 3 | N/A | 32903 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-254**
**SEDIMENT CORE DATA SUMMARY - SC09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4600 | | 7200 | | SC0912 | 4 / 4 | N/A | 6025 |
| Antimony | | | | | | 0 / 4 | 10 - 11 | 5.3 |
| Arsenic | 31 | | 89 | | SC0901 | 4 / 4 | N/A | 48 |
| Barium | 14 | | 24 | | SC0912 | 4 / 4 | N/A | 18 |
| Beryllium | | | | | | 0 / 4 | 1 - 1.1 | 0.53 |
| Cadmium | | | | | | 0 / 4 | 1.5 - 1.6 | 0.78 |
| Calcium | 1800 | | 2300 | | SC0912 | 4 / 4 | N/A | 2050 |
| Chromium | 33 | | 190 | | SC0901 | 4 / 4 | N/A | 90 |
| Cobalt | 3.4 | | 5 | | SC0912 | 3 / 4 | 3.3 | 3.7 |
| Copper | 58 | | 160 | | SC0901 | 4 / 4 | N/A | 88 |
| Iron | 6300 | | 13000 | | SC0901 | 4 / 4 | N/A | 9200 |
| Lead | 19 | | 69 | | SC0901 | 4 / 4 | N/A | 33 |
| Magnesium | 1600 | | 3000 | | SC0912 | 4 / 4 | N/A | 2275 |
| Manganese | 120 | | 140 | | SC0901 | 4 / 4 | N/A | 125 |
| Mercury | 0.28 | | 1.2 | | SC0901 | 4 / 4 | N/A | 0.56 |
| Nickel | 6.7 | | 7.8 | | SC0912 | 3 / 4 | 6.6 | 6.2 |
| Potassium | 1500 | | 1500 | | SC0912 | 1 / 4 | 1000 - 1100 | 775 |
| Selenium | | | | | | 0 / 4 | 10 - 11 | 5.3 |
| Silver | | | | | | 0 / 4 | 1.5 - 1.6 | 0.78 |
| Sodium | | | | | | 0 / 4 | 1000 - 1100 | 525 |
| Thallium | | | | | | 0 / 4 | 20 - 22 | 11 |
| Vanadium | 10 | | 19 | | SC0901 | 4 / 4 | N/A | 15 |
| Zinc | 260 | | 740 | | SC0912 | 4 / 4 | N/A | 473 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 0.35 | | 2.0 | | SC0901 | 4 / 4 | N/A | 0.96 |
| Total Organic Carbon (mg/Kg) | 24900 | | 39800 | | SC0901 | 4 / 4 | N/A | 32175 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-255**
**SEDIMENT CORE DATA SUMMARY - SC10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 4600 | | 6300 | | SC1034 | 4 / 4 | N/A | 5550 |
| Antimony | | | | | | 0 / 4 | 9.6 - 11 | 5.1 |
| Arsenic | 21 | | 67 | | SC1001 | 2 / 4 | 19 - 20 | 27 |
| Barium | 17 | | 30 | | SC1023 | 4 / 4 | N/A | 24 |
| Beryllium | | | | | | 0 / 4 | 0.96 - 1.1 | 0.51 |
| Cadmium | | | | | | 0 / 4 | 1.4 - 1.6 | 0.74 |
| Calcium | 1100 | | 2300 | | SC1001 | 4 / 4 | N/A | 1525 |
| Chromium | 12 | | 130 | | SC1001 | 4 / 4 | N/A | 46 |
| Cobalt | 3.3 | | 4.5 | | SC1034 | 4 / 4 | N/A | 3.9 |
| Copper | 15 | | 47 | | SC1001 | 4 / 4 | N/A | 25 |
| Iron | 6500 | | 11000 | | SC1001 | 4 / 4 | N/A | 8075 |
| Lead | 28 | | 28 | | SC1001 | 1 / 4 | 9.6 - 10 | 11 |
| Magnesium | 1000 | | 2600 | | SC1034 | 4 / 4 | N/A | 1825 |
| Manganese | 74 | | 110 | | SC1001 | 4 / 4 | N/A | 87 |
| Mercury | 0.033 | | 0.18 | | SC1001 | 2 / 4 | 0.025 | 0.060 |
| Nickel | 6.8 | | 10 | | SC1034 | 2 / 4 | 6 - 6.6 | 5.8 |
| Potassium | 1000 | | 1000 | | SC1023 | 1 / 4 | 980 - 1100 | 635 |
| Selenium | | | | | | 0 / 4 | 9.6 - 11 | 5.1 |
| Silver | | | | | | 0 / 4 | 1.4 - 1.6 | 0.74 |
| Sodium | | | | | | 0 / 4 | 980 - 1100 | 508 |
| Thallium | | | | | | 0 / 4 | 19 - 22 | 10 |
| Vanadium | 9.2 | | 14 | | SC1034 | 4 / 4 | N/A | 12 |
| Zinc | 73 | | 150 | | SC1001 | 4 / 4 | N/A | 100 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 0.13 | | 1.4 | | SC1001 | 4 / 4 | N/A | 0.49 |
| Total Organic Carbon (mg/Kg) | 940 | J | 23000 | | SC1001 | 4 / 4 | N/A | 7745 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-256**
**SEDIMENT CORE DATA SUMMARY - SC11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 11500 | | 17000 | | SC1134 | 4 / 4 | N/A | 13875 |
| Antimony | | | | | | 0 / 4 | 6.8 - 9.6 | 4.1 |
| Arsenic | 97 | | 110 | | SC1112 | 4 / 4 | N/A | 101 |
| Barium | 97 | | 120 | | SC1134 | 4 / 4 | N/A | 109 |
| Beryllium | 1 | | 1.2 | | SC1134 | 3 / 4 | 0.85 | 0.91 |
| Cadmium | 4.2 | | 7.2 | | SC1134 | 4 / 4 | N/A | 5.9 |
| Calcium | 4900 | | 6000 | | SC1134 | 4 / 4 | N/A | 5463 |
| Chromium | 240 | | 370 | | SC1134 | 4 / 4 | N/A | 298 |
| Cobalt | 18.5 | | 22 | | SC1112 | 4 / 4 | N/A | 20 |
| Copper | 215 | | 340 | | SC1134 | 4 / 4 | N/A | 261 |
| Iron | 29000 | | 32000 | | SC1112 | 4 / 4 | N/A | 29750 |
| Lead | 250 | | 1200 | | SC1134 | 4 / 4 | N/A | 578 |
| Magnesium | 4100 | | 5300 | | SC1134 | 4 / 4 | N/A | 4550 |
| Manganese | 440 | | 630 | | SC1112 | 4 / 4 | N/A | 519 |
| Mercury | 1.7 | | 2.2 | | SC1134 | 4 / 4 | N/A | 1.9 |
| Nickel | 29.5 | | 45 | | SC1134 | 4 / 4 | N/A | 37 |
| Potassium | 1100 | | 1400 | | SC1134 | 4 / 4 | N/A | 1250 |
| Selenium | | | | | | 0 / 4 | 6.8 - 9.6 | 4.1 |
| Silver | 4.6 | | 4.6 | | SC1134 | 1 / 4 | 1.1 - 1.4 | 1.6 |
| Sodium | | | | | | 0 / 4 | 680 - 960 | 408 |
| Thallium | | | | | | 0 / 4 | 14 - 19 | 8.1 |
| Vanadium | 47.5 | | 71 | | SC1134 | 4 / 4 | N/A | 58 |
| Zinc | 960 | | 1400 | | SC1112 | 4 / 4 | N/A | 1265 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 2.6 | | 4.0 | | SC1134 | 4 / 4 | N/A | 3.2 |
| Total Organic Carbon (mg/Kg) | 101000 | | 117500 | | SC1101 | 4 / 4 | N/A | 108625 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-257**
**SEDIMENT CORE DATA SUMMARY - SC12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 17000 | | 20000 | | SC1234 | 4 / 4 | N/A | 17750 |
| Antimony | | | | | | 0 / 4 | 7.1 - 8.8 | 4.0 |
| Arsenic | 100 | | 130 | | SC1201 | 4 / 4 | N/A | 113 |
| Barium | 130 | | 140 | | SC1201 | 4 / 4 | N/A | 135 |
| Beryllium | 1.1 | | 1.5 | | SC1234 | 4 / 4 | N/A | 1.3 |
| Cadmium | 9.3 | | 11 | | SC1212 | 4 / 4 | N/A | 10 |
| Calcium | 5400 | | 6900 | | SC1201 | 4 / 4 | N/A | 6200 |
| Chromium | 390 | | 740 | | SC1234 | 4 / 4 | N/A | 500 |
| Cobalt | 21 | | 23 | | SC1201 | 4 / 4 | N/A | 22 |
| Copper | 370 | | 460 | | SC1234 | 4 / 4 | N/A | 398 |
| Iron | 30000 | | 37000 | | SC1201 | 4 / 4 | N/A | 33500 |
| Lead | 520 | | 1300 | | SC1234 | 4 / 4 | N/A | 955 |
| Magnesium | 5000 | | 5500 | | SC1234 | 4 / 4 | N/A | 5275 |
| Manganese | 470 | | 960 | | SC1201 | 4 / 4 | N/A | 643 |
| Mercury | 2.4 | | 2.7 | | SC1234 | 4 / 4 | N/A | 2.6 |
| Nickel | 39 | | 41 | | SC1234 | 4 / 4 | N/A | 40 |
| Potassium | 1500 | | 1560 | | SC1234 | 4 / 4 | N/A | 1515 |
| Selenium | 10 | | 10 | | SC1234 | 1 / 4 | 7.6 - 8.8 | 5.6 |
| Silver | 3.1 | | 3.6 | | SC1234 | 3 / 4 | 1.2 | 2.7 |
| Sodium | | | | | | 0 / 4 | 720 - 880 | 403 |
| Thallium | | | | | | 0 / 4 | 14 - 18 | 8.0 |
| Vanadium | 64 | | 86 | | SC1234 | 4 / 4 | N/A | 71 |
| Zinc | 1700 | | 1800 | | SC1201 | 4 / 4 | N/A | 1750 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 4.183731 | | 7.938361 | | SC1234 | 4 / 4 | N/A | 5.4 |
| Total Organic Carbon (mg/Kg) | 105000 | | 112000 | | SC1201 | 4 / 4 | N/A | 108000 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-258**
**SEDIMENT CORE DATA SUMMARY - SC13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | Minimum Detected Concentration | Minimum Qualifier | Maximum Detected Concentration | Maximum Qualifier | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Average Concentration |
|---|---|---|---|---|---|---|---|---|
| Metals - mg/Kg | | | | | | | | |
| Aluminum | 9400 | | 22000 | | SC1301 | 4 / 4 | N/A | 14600 |
| Antimony | | | | | | 0 / 4 | 6.4 - 10 | 4.3 |
| Arsenic | 45 | | 120 | | SC1301 | 4 / 4 | N/A | 78 |
| Barium | 72 | | 120 | | SC1301 | 4 / 4 | N/A | 93 |
| Beryllium | 1 | | 1.5 | | SC1301 | 2 / 4 | 1 | 0.88 |
| Cadmium | 3.95 | | 12 | | SC1301 | 4 / 4 | N/A | 7.2 |
| Calcium | 5900 | | 18000 | | SC1334 | 4 / 4 | N/A | 10925 |
| Chromium | 200 | | 600 | | SC1301 | 4 / 4 | N/A | 343 |
| Cobalt | 8.5 | | 28 | | SC1301 | 4 / 4 | N/A | 16 |
| Copper | 210 | | 460 | | SC1301 | 4 / 4 | N/A | 333 |
| Iron | 11500 | | 32000 | | SC1301 | 4 / 4 | N/A | 18875 |
| Lead | 130 | | 810 | | SC1301 | 4 / 4 | N/A | 370 |
| Magnesium | 2100 | | 5300 | | SC1301 | 4 / 4 | N/A | 3350 |
| Manganese | 180 | | 370 | | SC1301 | 4 / 4 | N/A | 250 |
| Mercury | 0.95 | J | 2.1 | J | SC1301 | 4 / 4 | N/A | 1.5 |
| Nickel | 10.5 | | 37 | | SC1301 | 4 / 4 | N/A | 20 |
| Potassium | 1400 | | 1400 | | SC1301 | 1 / 4 | 780 - 1000 | 698 |
| Selenium | | | | | | 0 / 4 | 10 - 20 | 7.4 |
| Silver | 1.8 | | 1.8 | | SC1301 | 1 / 4 | 1.2 - 1.5 | 0.98 |
| Sodium | 750 | | 750 | | SC1301 | 1 / 4 | 780 - 1000 | 535 |
| Thallium | | | | | | 0 / 4 | 13 - 20 | 8.6 |
| Vanadium | 30 | | 87 | | SC1301 | 4 / 4 | N/A | 48 |
| Zinc | 815 | | 2500 | | SC1301 | 4 / 4 | N/A | 1629 |
| Wet Parameters - mg/Kg | | | | | | | | |
| Chromium VI | 2.145503 | | 6.436509 | | SC1301 | 4 / 4 | N/A | 3.7 |
| Total Organic Carbon (mg/Kg) | 115000 | | 306000 | | SC1334 | 4 / 4 | N/A | 209750 |

N/A = Not Applicable or Not Available
J = Estimated Value

**TABLE 2-259**
**SEDIMENT CORE DATA HITS TABLE - SC05**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC0501 | SC0512 | SC0523 | SC0534 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 15000 | 13000 | 19000 | 14000 |
| Antimony | 12 U | 12 U | 13 | 8.2 U |
| Arsenic | 210 | 260 | 900 | 770 |
| Barium | 66 | 55 | 78 | 59 |
| Beryllium | 1.2 U | 1.2 U | 1.5 | 1.1 |
| Cadmium | 4.2 | 6 | 14 | 24 |
| Calcium | 5200 | 5000 | 9100 | 10000 |
| Chromium | 1200 | 1200 | 1500 | 700 |
| Cobalt | 13 | 10 | 17 | 12 |
| Copper | 510 | 450 | 1600 | 1400 |
| Iron | 24000 | 27000 | 50000 | 31000 |
| Lead | 390 | 240 | 640 | 320 |
| Magnesium | 3100 | 2100 | 2000 | 1700 |
| Manganese | 390 | 250 | 390 | 390 |
| Mercury | 3.5 J | 7.5 J | 26 J | 8.3 J |
| Nickel | 20 | 18 | 22 | 17 |
| Silver | 1.8 U | 1.8 U | 2 | 1.5 |
| Sodium | 1200 U | 1200 U | 1800 | 2100 |
| Vanadium | 43 | 40 | 61 | 34 |
| Zinc | 790 | 1000 | 1300 | 1900 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 65200 | 67700 | 148000 | 184000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 13 | 13 | 16 | 7.5 |

**TABLE 2-260**
**SEDIMENT CORE DATA HITS TABLE - SC06**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC0601 | SC0612 | SC0623 | SC0634 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 18000 | 19000 | 8600 | 2400 |
| Arsenic | 1300 | 1700 | 370 | 66 |
| Barium | 150 | 61 | 37 | 14 |
| Cadmium | 19 | 48 | 6.9 | 1.6 U |
| Calcium | 6800 | 5300 | 5100 | 2000 |
| Chromium | 750 | 710 | 260 | 52 |
| Cobalt | 52 | 26 | 10 | 3.3 U |
| Copper | 770 | 950 | 240 | 41 |
| Iron | 120000 | 48000 | 18000 | 5000 |
| Lead | 590 | 620 | 140 | 22 |
| Magnesium | 3300 | 1600 | 1000 | 460 |
| Manganese | 1800 | 840 | 350 | 110 |
| Mercury | 8.2 J | 8 J | 2.6 J | 0.31 J |
| Nickel | 39 | 22 U | 8 | 6.6 U |
| Vanadium | 64 | 50 | 22 | 5.3 |
| Zinc | 2000 | 4600 | 1000 | 200 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 179000 | 172000 | 161000 | 67000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 8.0 | 7.6 | 2.8 | 0.56 |

**TABLE 2-261**
**SEDIMENT CORE DATA HITS TABLE - SC07**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC0701 | SC0712 | SC0723 | SC0734 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | NA | 10000 | 9900 | 5200 |
| Arsenic | 440 | 180 | 150 | 61 |
| Barium | 95 | 44 | 40 | 19 |
| Beryllium | 3.4 U | 1.2 | 1.6 | 1 U |
| Cadmium | 25 | 7.9 | 6.7 | 2.7 |
| Calcium | 16000 | 17000 | 18000 | 12000 |
| Chromium | 2700 | 920 | 920 | 240 |
| Cobalt | 68 | 29 | 20 | 8.6 |
| Copper | 910 | 340 | 280 | 77 |
| Iron | 59000 | 22000 | 17000 | 6500 |
| Lead | 570 | 190 | 150 | 36 |
| Magnesium | 3200 | 2100 | 2100 | 1400 |
| Manganese | 2600 | 730 | 640 | 270 |
| Mercury | 3.7 J | 1.6 J | 0.86 J | 0.41 J |
| Nickel | 49 | 19 | 15 | 9 |
| Vanadium | 72 | 36 | 39 | 30 |
| Zinc | 4800 | 1900 | 1300 | 460 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 234000 | 322000 | 280000 | 188000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 29 | 9.9 | 9.9 | 2.6 |

**TABLE 2-262**
**SEDIMENT CORE DATA HITS TABLE - SC08**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC0801 | SC0812 | SC0823 | SC0834 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 21500 | 5200 | 1800 | 1700 |
| Arsenic | 1250 | 140 | 20 U | 20 U |
| Barium | 93.5 | 20 | 7.5 | 6.3 |
| Cadmium | 22.4 | 3.6 | 1.5 U | 1.4 U |
| Calcium | 8670 | 3700 | 880 | 480 |
| Chromium | 1430 | 92 | 5.6 | 5.5 |
| Cobalt | 31.1 | 4.5 | 3 U | 2.9 U |
| Copper | 1410 | 130 | 3 U | 2.9 U |
| Iron | 58200 | 7700 | 1800 | 2000 |
| Lead | 676 | 56 | 10 U | 9.8 U |
| Magnesium | 2090 | 750 | 560 | 680 |
| Manganese | 591 | 170 | 35 | 25 |
| Mercury | 14 | 1 | 0.025 U | 0.025 U |
| Vanadium | 66.9 | 12 | 3 U | 2.9 U |
| Zinc | 2650 | 680 | 64 | 43 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | NA | 85000 | 9220 | 4490 J |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 15 | 0.99 | 0.060 | 0.059 |

**TABLE 2-263**
**SEDIMENT CORE DATA HITS TABLE - SC09**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC0901 | SC0912 | SC0923 | SC0934 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 7100 | 7200 | 5200 | 4600 |
| Arsenic | 89 | 31 | 40 | 32 |
| Barium | 19 | 24 | 14 | 15 |
| Calcium | 1800 | 2300 | 1900 | 2200 |
| Chromium | 190 | 33 | 68 | 67 |
| Cobalt | 4.9 | 5 | 3.4 | 3.3 U |
| Copper | 160 | 58 | 73 | 62 |
| Iron | 13000 | 9500 | 8000 | 6300 |
| Lead | 69 | 19 | 25 | 20 |
| Magnesium | 2600 | 3000 | 1900 | 1600 |
| Manganese | 140 | 120 | 120 | 120 |
| Mercury | 1.2 | 0.4 | 0.37 | 0.28 |
| Nickel | 7.1 | 7.8 | 6.7 | 6.6 U |
| Potassium | 1000 U | 1500 | 1100 U | 1100 U |
| Vanadium | 19 | 19 | 11 | 10 |
| Zinc | 260 | 740 | 470 | 420 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 39800 | 37100 | 26900 | 24900 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 2.0 | 0.35 | 0.73 | 0.72 |

**TABLE 2-264**
**SEDIMENT CORE DATA HITS TABLE - SC10**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC1001 | SC1012 | SC1023 | SC1034 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 5300 | 4600 | 6000 | 6300 |
| Arsenic | 67 | 21 | 20 U | 19 U |
| Barium | 19 | 17 | 30 | 28 |
| Calcium | 2300 | 1300 | 1100 | 1400 |
| Chromium | 130 | 28 | 12 | 12 |
| Cobalt | 3.6 | 3.3 | 4 | 4.5 |
| Copper | 47 | 16 | 15 | 20 |
| Iron | 11000 | 6500 | 6800 | 8000 |
| Lead | 28 | 10 U | 9.8 U | 9.6 U |
| Magnesium | 1000 | 1500 | 2200 | 2600 |
| Manganese | 110 | 74 | 74 | 88 |
| Mercury | 0.18 | 0.033 | 0.025 U | 0.025 U |
| Nickel | 6.6 U | 6 U | 6.8 | 10 |
| Potassium | 1100 U | 1000 U | 1000 | 980 U |
| Vanadium | 11 | 9.2 | 13 | 14 |
| Zinc | 150 | 96 | 80 | 73 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 23000 | 5970 J | 1070 J | 940 J |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 1.4 | 0.30 | 0.13 | 0.13 |

**TABLE 2-265**
**SEDIMENT CORE DATA HITS TABLE - SC11**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC1101 | SC1112 | SC1123 | SC1134 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 11500 | 13000 | 14000 | 17000 |
| Arsenic | 97 | 110 | 97 | 99 |
| Barium | 97 | 110 | 110 | 120 |
| Beryllium | 0.85 U | 1 | 1 | 1.2 |
| Cadmium | 4.2 | 6.2 | 6 | 7.2 |
| Calcium | 5750 | 5200 | 4900 | 6000 |
| Chromium | 310 | 270 | 240 | 370 |
| Cobalt | 18.5 | 22 | 20 | 21 |
| Copper | 215 | 250 | 240 | 340 |
| Iron | 29000 | 32000 | 29000 | 29000 |
| Lead | 250 | 400 | 460 | 1200 |
| Magnesium | 4100 | 4300 | 4500 | 5300 |
| Manganese | 525 | 630 | 480 | 440 |
| Mercury | 1.7 | 1.8 | 1.7 | 2.2 |
| Nickel | 29.5 | 38 | 35 | 45 |
| Potassium | 1100 | 1200 | 1300 | 1400 |
| Silver | 1.3 U | 1.1 U | 1.4 U | 4.6 |
| Vanadium | 47.5 | 58 | 56 | 71 |
| Zinc | 960 | 1400 | 1300 | 1400 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 117500 | 107000 | 109000 | 101000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 3.3 | 2.9 | 2.6 | 4.0 |

**TABLE 2-266**
**SEDIMENT CORE DATA HITS TABLE - SC12**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC1201 | SC1212 | SC1223 | SC1234 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 17000 | 17000 | 17000 | 20000 |
| Arsenic | 130 | 100 | 100 | 120 |
| Barium | 140 | 130 | 130 | 140 |
| Beryllium | 1.1 | 1.3 | 1.3 | 1.5 |
| Cadmium | 10 | 11 | 9.3 | 11 |
| Calcium | 6900 | 6200 | 5400 | 6300 |
| Chromium | 400 | 390 | 470 | 740 |
| Cobalt | 23 | 21 | 22 | 22 |
| Copper | 370 | 380 | 380 | 460 |
| Iron | 37000 | 33000 | 30000 | 34000 |
| Lead | 520 | 800 | 1200 | 1300 |
| Magnesium | 5200 | 5400 | 5000 | 5500 |
| Manganese | 960 | 640 | 500 | 470 |
| Mercury | 2.6 | 2.5 | 2.4 | 2.7 |
| Nickel | 39 | 40 | 40 | 41 |
| Potassium | 1500 | 1500 | 1500 | 1560 |
| Selenium | 7.6 U | 8.8 U | 8.5 U | 10 |
| Silver | 1.2 U | 3.1 | 3.5 | 3.6 |
| Vanadium | 64 | 67 | 68 | 86 |
| Zinc | 1800 | 1800 | 1700 | 1700 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 112000 | 110000 | 105000 | 105000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 4.3 | 4.2 | 5.0 | 7.9 |

**TABLE 2-267**
**SEDIMENT CORE DATA HITS TABLE - SC13**
**WELLS G&H SUPERFUND SITE (OU3)**

| Parameter | SC1301 | SC1312 | SC1323 | SC1334 |
|---|---|---|---|---|
| Metals (mg/Kg) | | | | |
| Aluminum | 22000 | 16000 | 9400 | 11000 |
| Arsenic | 120 | 89 | 45 | 59 |
| Barium | 120 | 72 | 78 | 100 |
| Beryllium | 1.5 | 1 | 1 U | 1 U |
| Cadmium | 12 | 8.4 | 3.95 | 4.3 |
| Calcium | 6300 | 5900 | 13500 | 18000 |
| Chromium | 600 | 330 | 200 | 240 |
| Cobalt | 28 | 18 | 8.5 | 9.9 |
| Copper | 460 | 410 | 210 | 250 J |
| Iron | 32000 | 18000 | 11500 | 14000 |
| Lead | 810 | 340 | 130 | 200 |
| Magnesium | 5300 | 3100 | 2100 | 2900 |
| Manganese | 370 | 210 | 180 | 240 |
| Mercury | 2.1 J | 2 J | 0.95 J | 1.1 J |
| Nickel | 37 | 19 | 10.5 | 14 |
| Potassium | 1400 | 780 U | 1000 U | 1000 U |
| Silver | 1.8 | 1.2 U | 1.5 U | 1.5 U |
| Sodium | 750 | 780 U | 1000 U | 1000 U |
| Vanadium | 87 | 41 | 30 | 35 |
| Zinc | 2500 | 2200 | 815 | 1000 |
| TOC/TCO (mg/Kg) | | | | |
| Total Organic Carbon | 115000 | 143000 | 275000 | 306000 |
| Wet Parameters (mg/Kg) | | | | |
| Chromium VI | 6.4 | 3.5 | 2.1 | 2.6 |

# TABLE 2-268. SUMMARY OF GROUNDWATER RESULTS
# WELLS G&H SUPERFUND SITE (OU3)

| Analyte | EPA MCL | Secondary MCL | Flow Zone: | Shallow Overburden | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Name: | MW-003 | MW-004 | MW-005 | MW-006 | MW-007 | MW-008 | MW-009S | MW-010S | MW-011S | S88S | S89S | S92S | S92S Duplicate | S93S | S93S Duplicate |
| | | | Screen Interval: | 9.5-19.5 ft | 9.5-19.5 ft | 4-14 ft | 9.5-19.5 ft | 9.5-19.5 ft | 4-14 ft | 4-14 ft | 4-14 ft | 4-14 ft | 7-9 ft | 27.87-37.87 ft | 9-14 ft | 9-14 ft | 10-14 ft | 10-14 ft |
| | | | Date: | 4/18/2002 | 4/19/2002 | 4/18/2002 | 4/22/2002 | 4/19/2002 | 4/18/2002 | 4/23/2002 | 4/22/2002 | 4/26/2002 | 3/7/2002 | 10/16/2002 | 3/11/2002 | 3/11/2002 | 3/8/2002 | 3/8/2002 |
| Aluminum | | 50-200 | | 56.8 | 97.3 | 54.1 | 36.8 J | 73.4 | 22.8 | 188 | 70.4 | 53.4 | 15.5 U | 324 | 12.3 UJ | 12.8 UJ | 10 UJ | 10.1 UJ |
| Antimony | 6 | | | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| Arsenic | 10 | | | 20 N | 44.2 N | 1.9 N | 37.9 | 15 N | 3.4 N | 8 | 142 | 49.2 | 83.6 | 0.49 | 11 | 10.6 | 0.56 | 0.55 |
| Barium | 2000 | | | 78.2 | 83 | 18.9 | 18.4 | 84.1 | 41.1 | 56.4 | 86.6 | 29.1 | 70.3 | 19.7 | 9.8 | 9.8 | 44.1 | 44.3 |
| Beryllium | 4 | | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Cadmium | 5 | | | 0.05 U | 0.05 U | 0.15 | 1.5 J | 0.17 | 0.05 U | 0.29 J | 0.07 J | 0.05 U | 0.05 U | 0.68 | 0.05 U | 0.05 U | 0.3 | 0.33 |
| Calcium | | | | 21800 | 59400 | 31400 | 63000 | 36000 | 44300 | 17600 | 57400 | 44200 | 61400 | 50800 | 34700 | 34700 | 23600 | 23700 |
| Chromium | 100 | | | 2.5 U | 3.7 B | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.7 J | 5.8 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cobalt | | | | 2.7 | 1 U | 1.8 | 3.2 | 7.6 | 2.7 | 1 U | 2.7 | 1 U | 1 U | 6.7 | 1.6 J | 2 J | 1 U | 1 U |
| Copper | 1300 | 1000 | | 1 U | 1 U | 1.1 | 1 U | 1.2 | 1 U | 1.4 J | 1.7 J | 1 U | 1 UJ | 1 UJ | 1 UJ | 1 UJ | 2.4 J | 2.2 J |
| Iron | | 300 | | 25000 | 25200 | 1570 | 1970 | 21300 | 1720 | 5420 | 18600 | 19900 | 42200 | 677 | 1740 | 1810 | 152 | 114 |
| Lead | 15 | | | 0.2 | 0.28 | 0.87 | 0.19 UJ | 0.26 | 0.16 | 0.85 UJ | 0.37 UJ | 0.18 UJ | 0.21 | 0.43 | 0.1 U | 0.1 U | 0.22 | 0.16 J |
| Magnesium | | | | 4040 | 10800 | 6430 | 13300 | 8000 | 8610 | 3840 | 10300 | 8090 | 10600 | 13400 | 7630 | 7620 | 5100 | 5140 |
| Manganese | | 50 | | 1220 | 2770 | 484 | 2160 | 820 | 1390 | 581 | 1390 | 1820 | 2800 | 5930 | 283 | 288 | 223 | 223 |
| Mercury | 2 | | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Nickel | | | | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 3 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Potassium | | | | 2700 E | 3660 E | 3150 E | 2600 | 3750 E | 3080 E | 2710 | 4500 | 5630 | 3290 | 2960 | 1270 | 1280 | 3150 | 3180 |
| Selenium | 50 | | | 1.3 B | 1.2 B | 0.78 B | 1.9 | 0.82 B | 1.2 B | 1.1 | 1.3 | 1.5 | 1.2 | 1 J | 0.71 J | 0.69 J | 1.3 | 1.4 |
| Silver | | 100 | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.11 J | 0.15 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Sodium | | | | 79900 E | 87600 E | 31900 E | 33200 | 58200 E | 52500 E | 56700 | 99100 | 114000 | 116000 | 35700 | 31100 | 31000 | 52700 | 53100 |
| Thallium | 2 | | | 0.1 U | 0.1 U | 0.1 U | 0.31 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Vanadium | | | | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.9 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Zinc | | 5000 | | 5 U | 30 | 21.6 | 57.2 | 108 | 11.2 | 5 U | 9.3 J | 5 U | 24.8 | 5 U | 5 U | 5 U | 10.4 | 10.8 |
| Cyanide | 200 | | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chromium VI | | | | 5 U | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| Analyte | EPA MCL | Secondary MCL | Flow Zone: | Medium Overburden | | | | | | | Deep Overburden | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Name: | MW-009M | MW-010M | MW-011M | MW-011M Duplicate | S88M | S92M | S93M | MW-009D | MW-010D | MW-011D | S88D | S92D | S93D |
| | | | Screen Interval: | 40-50 ft | 40-50 ft | 40-50 ft | 40-50 ft | 37-39 ft | 37-39 ft | 41.5-43.5 ft | 81.5-91.5 ft | 88.5-98.5 ft | 81-91 ft | 77-79 ft | 76.5-78.5 ft | 77-79 ft |
| | | | Date: | 4/23/2002 | 4/25/2002 | 4/26/2002 | 4/26/2002 | 3/7/2002 | 3/11/2002 | 3/8/2002 | 4/23/2002 | 4/25/2002 | 4/26/2002 | 3/7/2002 | 3/12/2002 | 3/8/2002 |
| Aluminum | | 50-200 | | 93.5 | 186 | 102 | 104 | 9.3 UJ | 9.8 UJ | 12.4 UJ | 52.4 | 120 | 117 | 16.8 U | 44.7 U | 66.1 |
| Antimony | 6 | | | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| Arsenic | 10 | | | 2.9 | 1.9 | 1.7 | 1.7 | 4.3 | 0.4 | 1.4 | 0.68 | 2 | 0.57 | 1.4 | 0.7 | 0.87 |
| Barium | 2000 | | | 54.7 | 49.3 | 59.1 | 59.1 | 81.8 | 14.2 | 71.5 | 21 | 77.4 | 14.4 | 48.9 | 17.3 | 24.1 |
| Beryllium | 4 | | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Cadmium | 5 | | | 0.05 U | 0.1 J | 0.09 J | 0.09 J | 0.05 U | 0.13 | 0.05 U | 0.1 J | 0.05 J | 0.09 J | 0.29 | 0.05 U | 0.28 |
| Calcium | | | | 33900 | 35300 | 36300 | 36200 | 46500 | 41900 | 28500 | 53700 | 57200 | 49000 | 55000 | 46500 | 38200 |
| Chromium | 100 | | | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cobalt | | | | 3.1 | 4 | 3.5 | 3.7 | 2.4 | 1 U | 1 U | 5.1 | 1.1 J | 1.6 J | 1.9 J | 1 U | 9.2 |
| Copper | 1300 | 1000 | | 1 J | 1.5 J | 1.7 J | 1.4 J | 1 UJ | 1 UJ | 1 UJ | 1 U | 1.1 J | 1.3 J | 2.8 J | 1 UJ | 2.3 J |
| Iron | | 300 | | 7360 | 874 | 519 | 492 | 7690 | 25 U | 19300 | 74.5 | 2070 | 189 | 49.6 J | 205 | 1620 |
| Lead | 15 | | | 0.2 UJ | 0.3 UJ | 0.3 UJ | 0.28 UJ | 0.22 | 0.15 J | 0.1 U | 0.12 UJ | 0.4 UJ | 0.21 UJ | 0.21 | 0.7 | 0.43 |
| Magnesium | | | | 10700 | 8890 | 7050 | 7030 | 8650 | 10300 | 5880 | 14200 | 11200 | 14800 | 10100 | 11500 | 7740 |
| Manganese | | 50 | | 551 | 1260 | 2280 | 2280 | 1340 | 2.8 | 537 | 197 | 1140 | 225 | 2150 | 18.2 | 2650 |
| Mercury | 2 | | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Nickel | | | | 2.5 U | 2.6 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 4.3 J | 2.5 U | 3 J |
| Potassium | | | | 4690 | 4590 | 4380 | 4420 | 4730 | 2890 | 6750 | 4410 | 5590 | 4150 | 6410 | 2960 | 3750 |
| Selenium | 50 | | | 1 J | 1.6 | 1.2 | 1.2 | 0.96 J | 0.72 J | 1 J | 1 J | 0.97 J | 1 J | 0.92 J | 1.1 | 1.1 |
| Silver | | 100 | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Sodium | | | | 50000 | 45300 | 86300 | 86500 | 62400 | 30900 | 53600 | 38100 | 51900 | 30400 | 58600 | 30600 | 49000 |
| Thallium | 2 | | | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Vanadium | | | | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Zinc | | 5000 | | 5 U | 11.7 | 6.5 J | 6.5 J | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Cyanide | 200 | | | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chromium VI | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

**Notes:**

All results in micrograms per liter (ug/l)

Table presents compounds with detected values and non-detect values in excess of comparison criteria.

ft - feet below ground surface

N/A - Not Analyzed or Not Available

- Identifies detected concentrations in excess of MCLs.
- Identifies detected concentrations in excess of Secondary MCLs.

B - Concentration detected is greater than the instrument detection limit but less than the reporting limit.

U - Not detected above given laboratory reporting limit

N - Spiked sample recovery not within control limits

E - Estimated value due to interference

J - Estimated concentration

Original includes color coding.