THE CONTENTS OF THIS SECTION ARE
THE HIGHEST QUALITY AVAILABLE

INITIAL KH DATE 9/23/03

# Appendix D

## Data for the Reporting Period
## (August 2001 to October 2002)

# Appendix D

# Data for the Reporting Period (August 2001 to October 2002)

(**See** attached CD Rom)

Electron donors in **TSF-05A** and -05B

| TSF-05A | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO15301 | 08/07/01 | 231.0 | 52.5 | <5 | <0.223 | 172 |
| 1PO16801 | 09/11/01 | 1212.8 | 1741.6 | 17.2 | 277.118 | 4329 |
| TPD00101 | 10/08/01 | 158.8 | 50.7 | <5 | <0.223 | 186 |
| TPD10101 | 11/06/01 | 1010.3 | 1319.1 | 36.9 | 26.43 | 1854 |
| TPD20101 | 12/03/01 | 188.7 | 70.3 | <5 | <0.223 | 189 |
| TPD30101 | 01/07/02 | 1507.2 | 2094.0 | 20.5 | 2502.2 | 3726 |
| TPD40101 | 02/04/02 | 203.3 | 57.9 | <5 | <0.223 | 284 |
| TPD50101 | 03/04/02 | 48.8 | 5.5 | <5 | <0.223 | 64 |
| TPD60101 | 04/01/02 | 1930.8 | 2951.8 | 29.0 | 10337 | 5058 |
| PD500101 | 04/30/02 | 486.6 | 331.3 | 29.5 | 1.359 | 1809 |
| PD600101 | 06/03/02 | 183.8 | 43.1 | <5 | <0.223 | 238 |
| PD700101 | 07/08/02 | No PBAL sample due to breakage | | | | 3195 |
| PD800101 | 08/05/02 | 801.1 | 941.1 | 9.7 | 1037.6 | 8046 |
| PD900101 | 09/09/02 | 47.7 | <5 | <5 | <0.223 | 116 |
| PD100001 | 10/07/02 | 1594.9 | 2056.2 | 25.1 | 1134.54 | 5508 |

| TSF-05B | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO15401 | 08/07/01 | 1193.7 | 1297.4 | 70.0 | 0.647 | 2505 |
| 1PO16901 | 09/12/01 | 1314.2 | 2124.4 | 14.4 | 4308.5 | 9234 |
| TPD00201 | 10/10/01 | 1151.6 | 1399.9 | 66.6 | 1.596 | 2700 |
| TPD10201 | 11/07/01 | 868.3 | 1231.9 | 18.3 | 311.4 | 5058 |
| TPD20201 | 12/04/01 | 496.6 | 500.8 | 26.5 | trace | 1167 |
| TPD30201 | 01/08/02 | 1446.3 | 1825.7 | 11.5 | 5401.7 | 6804 |
| TPD40201 | 02/05/02 | 715.8 | 580.2 | 34.1 | trace | 1581 |
| Not sampled during March 2002 due to inoperable pump. | | | | | | |
| TPD60201 | 04/02/02 | 1272.6 | 1374.8 | 10.4 | 17971.5 | >18000 |
| PD500201 | 05/01/02 | 1429.6 | 1523.0 | 81.3 | 1.798 | 7506 |
| PD600201 | 06/04/02 | 423.5 | 168.4 | 15.8 | trace | 623 |
| PD700201 | 07/09/02 | 1783.4 | 1597.0 | 14.2 | 6697.3 | 8811 |
| PD700202 | 07/09/02 | 1714.6 | 1514.8 | 13.1 | 6672.8 | 8676 |
| PD800201 | 08/06/02 | 1249.6 | 1202.3 | 17.5 | 3336.2 | 11088 |
| PD900201 | 09/09/02 | 380.4 | 129.9 | 5.9 | <0.223 | 335 |
| PD100101 | 10/08/02 | 2638.0 | 3072.2 | 32.8 | 2355.6 | 7515 |

Electron donors in **TAN-25** and -31

**TAN-25**

| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
|---|---|---|---|---|---|---|
| 1PO15501 | 08/07/01 | 360.1 | 136.1 | 12.2 | <0.223 | 418 |
| 1PO17001 | 09/11/01 | 1079.9 | 1504.0 | 10.1 | 1900.6 | 5247 |
| TPD00301 | 10/10/01 | 238.8 | 70.8 | 5.4 | <0.223 | 276 |
| TPD10301 | 11/06/01 | 1370.6 | 1747.7 | 41.9 | 279.5 | 2772 |
| TPD10302 | 11/06/01 | 1367.2 | 1718.9 | 40.9 | 281.8 | 2790 |
| TPD20301 | 12/04/01 | 21.1 | <5 | ND | <0.223 | 43 |
| TPD30301 | 01/08/02 | 1464.7 | 1565.0 | 14.1 | 1324.8 | 3357 |
| TPD40301 | 02/05/02 | 155.5 | 27.4 | <5 | <0.223 | 156 |
| TPD50301 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60301 | 04/02/02 | 1930.6 | 2450.8 | 16.1 | 8483.9 | >9000 |
| PD500301 | 04/30/02 | 826.7 | 638.8 | 44.3 | 11.125 | 3015 |
| PD600301 | 06/04/02 | 248.0 | 70.3 | 11.0 | <0.223 | 303 |
| PD700301 | 07/09/02 | 1423.1 | 1581.8 | 24.4 | 1743.9 | 4392 |
| PD800301 | 08/05/02 | 1019.6 | 1020.0 | 11.0 | 3306 | 5643 |
| PD900301 | 09/09/02 | 83.6 | 21.6 | <5 | <0.223 | 211 |
| PD100201 | 10/08/02 | 2494.5 | 2542.6 | 30.3 | 2572.39 | 6714 |

**TAN-31**

| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
|---|---|---|---|---|---|---|
| 1PO15701 | 08/08/01 | 16.2 | <5 | ND | <0.223 | 0 |
| 1PO17201 | 09/11/01 | 382.5 | 424.8 | <5 | 14.514 | 1332 |
| TPD00901 | 10/10/01 | 21.9 | 11.6 | ND | 1.323 | 52 |
| TPD10901 | 11/06/01 | 379.9 | 395.1 | 5.6 | 6.068 | 990 |
| TPD20901 | 12/03/01 | 6.5 | <5 | ND | <0.223 | 26 |
| TPD30901 | 01/08/02 | 566.0 | 603.9 | <5 | 28.67 | 1284 |
| TPD40901 | 02/05/02 | <5 | <5 | ND | <0.223 | 5 |
| TPD40902 | 02/05/02 | <5 | <5 | ND | <0.223 | 20 |
| TPD50901 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60901 | 04/02/02 | 1023.7 | 1395.6 | 7.4 | 1425.4 | 3996 |
| PD500901 | 04/30/02 | 114.5 | 108.6 | <5 | 2.281 | 479 |
| PD600901 | 06/04/02 | 11.3 | 7.9 | <5 | <0.223 | 33 |
| PD700901 | 07/09/02 | 223.7 | 270.8 | <5 | 19.901 | 1107 |
| PD800901 | 08/05/02 | 330.2 | 415.7 | <5 | 1245.1 | 2322 |
| PD900901 | 09/09/02 | <5 | <5 | <5 | <0.223 | 29 |
| PD100801 | 10/08/02 | 813.0 | 1118.7 | 10.2 | 639.23 | 2664 |

Electron donors in **TAN-26** and -37C

| TAN-26 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO15601 | 08/06/01 | 14.3 | ND | ND | <0.223 | 31 |
| 1PO15602 | 08/06/01 | 13.7 | ND | ND | <0.223 | 7 |
| 1PO17101 | 09/11/01 | 5.6 | <5 | ND | <0.223 | 13 |
| TPD00401 | 10/08/01 | 6.2 | ND | ND | <0.223 | 32 |
| TPD10401 | 11/06/01 | 8.0 | <5 | <5 | <0.223 | 0 |
| TPD20401 | 12/04/01 | 8.1 | ND | ND | <0.223 | 21 |
| TPD30401 | 01/08/02 | 38.7 | 29.7 | <5 | trace | 11 |
| TPD40401 | 02/05/02 | 8.0 | <5 | ND | <0.223 | 8 |
| TPD50401 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60401 | 04/02/02 | 673.5 | 1014.2 | 7.4 | 7801.500 | >1000 |
| PD500401 | 04/30/02 | 95.7 | 261.8 | <5 | <0.223 | 906 |
| PD600401 | 06/04/02 | 21.9 | 163.8 | <5 | <0.223 | 336 |
| PD700401 | 07/09/02 | <5 | <5 | ND | <0.223 | 27 |
| PD800401 | 08/05/02 | <5 | <5 | ND | <0.223 | 13 |
| PD800402 | 08/05/02 | <5 | <5 | ND | <0.223 | 13 |
| PD900401 | 09/09/02 | 5.9 | 7.6 | ND | <0.223 | 57 |
| PD900402 | 09/09/02 | Duplicate sample not analyzed | | | | 25 |
| PD100301 | 10/08/02 | 23.8 | 48.7 | ND | 6.330 | 157 |

| TAN-37C | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | (Lactate (mg/L) | COD (mg/L) |
| 1PO16001 | 08/08/01 | 12.6 | ND | ND | 0.603 | 0 |
| 1PO17501 | 09/11/01 | <5 | <5 | ND | <0.223 | 19 |
| TPD01101 | 10/10/01 | <5 | ND | ND | 1.112 | 29 |
| TPD11101 | 11/06/01 | 8.7 | ND | ND | <0.223 | 73 |
| TPD21201 | 12/03/01 | 7.2 | ND | ND | <0.223 | 22 |
| TPD31201 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD41201 | 02/06/02 | <5 | <5 | ND | <0.223 | 40 |
| TPD51101 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD61201 | 04/03/02 | 19.4 | 50.6 | ND | <0.223 | 72 |
| 37A00201 | 04/17/02 | 62.9 | 90.1 | <5 | N/A | 276 |
| 37A00201 | 04/17/02 | N/A | N/A | N/A | N/A | 302 |
| 37A00202 | 04/17/02 | 63.9 | 91.6 | <5 | N/A | 271 |
| 37A00202 | 04/17/02 | N/A | N/A | N/A | N/A | 360 |
| PD501201 | 05/01/02 | 28.8 | 47.1 | ND | <0.223 | 190 |
| PD601201 | 06/04/02 | 20.9 | 32.7 | <5 | <0.223 | 102 |
| PD701201 | 07/10/02 | <5 | <5 | ND | <0.223 | 13 |
| PD801201 | 08/05/02 | <5 | <5 | ND | <0.223 | 39 |
| PD901201 | 09/09/02 | <5 | <5 | ND | <0.223 | 35 |
| PD101101 | 10/08/02 | <5 | <5 | ND | <0.223 | 26 |

Electron donors in TAN-37A and -378

| TAN-37A | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO15901 | 08/08/01 | 8.5 | ND | ND | <0.223 | 0 |
| 1PO17401 | 09/11/01 | <5 | <5 | ND | <0.223 | 4 |
| TPD01001 | 10/10/01 | 11.5 | ND | ND | <0.223 | 18 |
| TPD11001 | 11/06/01 | <5 | ND | ND | <0.223 | 0 |
| TPD21001 | 12/03/01 | <5 | ND | ND | <0.223 | 7 |
| TPD31001 | 01/07/02 | <5 | ND | ND | <0.223 | 0 |
| TPD41001 | 02/06/02 | 5.3 | <5 | ND | <0.223 | 38 |
| TPD51001 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD61001 | 04/03/02 | <5 | <5 | ND | <0.223 | 0 |
| 37A00001 | 04/17/02 | <5 | <5 | ND | Not Done | 25 |
| PD501001 | 05/01/02 | <5 | <5 | ND | <0.223 | 18 |
| PD601001 | 06/04/02 | <5 | <5 | <5 | <0.223 | 31 |
| PD701001 | 07/10/02 | <5 | <5 | ND | <0.223 | 10 |
| PD801001 | 08/05/02 | <5 | <5 | ND | <0.223 | 0 |
| PD901001 | 09/09/02 | <5 | <5 | ND | <0.223 | 19 |
| PD100901 | 10/08/02 | <5 | <5 | ND | <0.223 | 0 |

| TAN-37B | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 37B10101 | 11/19/01 | ND | ND | ND | | 0 |
| 37B10102 | 11/19/01 | ND | ND | ND | | 23 |
| TPD21101 | 12/10/01 | <5 | ND | ND | <0.223 | 22 |
| TPD31001 | 01/07/02 | 6.0 | ND | ND | <0.223 | 0 |
| TPD41101 | 02/06/02 | 5.5 | <5 | ND | <0.223 | 32 |
| TPD51601 | 03/06/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD61101 | 04/03/02 | <5 | ND | ND | <0.223 | 9 |
| 37A00101 | 04/17/02 | <5 | ND | ND | | 24 |
| PD501101 | 05/01/02 | <5 | <5 | ND | <0.223 | 25 |
| PD601101 | 06/04/02 | <5 | <5 | <5 | <0.223 | 17 |
| PD701101 | 07/10/02 | <5 | <5 | ND | <0.223 | 9 |
| PD801101 | 08/05/02 | <5 | <5 | ND | <0.223 | 72 |
| PD901101 | 09/09/02 | <5 | <5 | ND | <0.223 | 5 |
| PD101001 | 10/08/02 | <5 | <5 | ND | <0.223 | 0 |

Electron donors in **TAN-28** and **-30A**

**TAN-28**

| Sample ID | Sample Date | (Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
|---|---|---|---|---|---|---|
| 1PO16101 | 08/06/01 | 8.9 | ND | ND | 0.544 | 0 |
| 1PO17601 | 09/10/01 | <5 | <5 | ND | <0.223 | 22 |
| TPD00601 | 10/08/01 | <5 | ND | ND | <0.223 | 19 |
| TPD10601 | 11/05/01 | <5 | ND | ND | <0.223 | 0 |
| TPD20601 | 12/05/01 | <5 | ND | ND | <0.223 | 16 |
| TPD30601 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD40601 | 02/04/02 | 5.8 | <5 | ND | <0.223 | 30 |
| TPD50601 | 03/04/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60601 | 04/01/02 | <5 | ND | ND | <0.223 | 7 |
| PD500601 | 04/29/02 | <5 | <5 | ND | <0.223 | 0 |
| PD500602 | 04/29/02 | <5 | <5 | ND | <0.223 | 16 |
| PD600601 | 06/03/02 | <5 | <5 | <5 | <0.223 | 26 |
| PD700601 | 07/08/02 | <5 | <5 | ND | <0.223 | 2 |
| PD800601 | 08/05/02 | <5 | <5 | ND | <0.223 | 0 |
| PD900601 | 09/09/02 | <5 | <5 | ND | <0.223 | 10 |
| PD100501 | 10/07/02 | <5 | <5 | ND | <0.223 | 0 |

**TAN-30A**

| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
|---|---|---|---|---|---|---|
| 1PO16201 | 08/06/01 | <5 | ND | ND | <0.223 | 0 |
| 1PO17701 | 09/10/01 | 5.2 | <5 | ND | <0.223 | 24 |
| TPD00801 | 10/08/01 | 6.6 | ND | ND | 1.088 | 18 |
| TPD10801 | 11/05/01 | 6.1 | <5 | ND | <0.223 | 0 |
| TPD20801 | 12/05/01 | 6.6 | ND | ND | <0.223 | 6 |
| TPD30801 | 01/06/02 | 6.3 | ND | ND | <0.223 | 0 |
| TPD40801 | 02/04/02 | 8.2 | <5 | ND | <0.223 | 4 |
| TPD50801 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60801 | 04/01/02 | <5 | <5 | ND | <0.223 | 10 |
| PD500801 | 04/29/02 | <5 | <5 | ND | <0.223 | 8 |
| PD601801 | 06/03/02 | <5 | <5 | <5 | <0.223 | 20 |
| PD700801 | 07/08/02 | No PBAL sample due to breakage | | | | 7 |
| PD800801 | 08/05/02 | <5 | ND | ND | <0.223 | 30 |
| PD900801 | 09/09/02 | <5 | ND | ND | <0.223 | 0 |
| PD100701 | 10/07/02 | <5 | <5 | ND | <0.223 | 0 |

Electron donors in **TAN-IOA and -27**

| TAN-10A | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO16401 | 08/06/01 | <5 | ND | ND | <0.223 | 0 |
| 1PO17901 | 09/10/01 | <5 | <5 | ND | <0.223 | 0 |
| TPD01201 | 10/08/01 | <5 | ND | ND | <0.223 | 0.0 |
| TPD11201 | 11/05/01 | <5 | ND | ND | <0.223 | 0 |
| TPD21301 | 12/06/01 | <5 | ND | ND | <0.223 | 15 |
| TPD31301 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD41301 | 02/06/02 | 9.6 | <5 | ND | <0.223 | 21 |
| TPD51201 | 03/04/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD61301 | 04/01/02 | <5 | <5 | ND | <0.223 | 9 |
| PD501301 | 04/29/02 | <5 | <5 | ND | <0.223 | 0 |
| PD601301 | 06/03/02 | <5 | <5 | <5 | <0.223 | 16 |
| PD701301 | 07/08/02 | <5 | <5 | ND | <0.223 | 1 |
| PD801301 | 08/05/02 | <5 | <5 | ND | <0.223 | 26 |
| PD901301 | 09/09/02 | <5 | <5 | ND | <0.223 | 10 |
| PD101201 | 10/07/02 | <5 | <5 | ND | <0.223 | 22 |

| TAN-27 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO16501 | 08/06/01 | 7.2 | ND | ND | <0.223 | 0 |
| 1PO18001 | 09/10/01 | <5 | <5 | ND | <0.223 | 0 |
| TPD00501 | 10/08/01 | <5 | ND | ND | <0.223 | 21.0 |
| TPD00502 | 10/08/01 | <5 | ND | ND | <0.223 | 1 |
| TPD10501 | 11/05/01 | <5 | ND | ND | <0.223 | 0 |
| TPD20501 | 12/06/01 | <5 | ND | ND | <0.223 | 10 |
| TPD20502 | 12/06/01 | 6.5 | ND | ND | <0.223 | 15 |
| TPD30502 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD30501 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD40501 | 02/06/02 | 7.5 | <5 | ND | <0.223 | 6 |
| TPD50501 | 03/04/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60501 | 04/01/02 | <5 | <5 | ND | <0.223 | 13 |
| TPD60502 | 04/01/02 | <5 | <5 | ND | <0.223 | 10 |
| PD500501 | 04/29/02 | <5 | <5 | ND | <0.223 | 4 |
| PD600501 | 06/03/02 | <5 | <5 | <5 | <0.223 | 21 |
| PD600502 | 06/03/02 | <5 | <5 | <5 | <0.223 | 33 |
| PD700501 | 07/08/02 | <5 | <5 | ND | <0.223 | 0 |
| PD800501 | 08/05/02 | <5 | <5 | ND | <0.223 | 11 |
| PD900501 | 09/09/02 | <5 | <5 | ND | <0.223 | 20 |
| PD900502 | 09/09/02 | <5 | <5 | ND | <0.223 | 9 |
| PD100401 | 10/07/02 | <5 | <5 | ND | <0.223 | 12 |
| PD100401 | 10/07/02 | <5 | <5 | ND | <0.223 | 18 |

Electron donors in TAN-D2 and -29

| TAN-D2 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | Lactate (mg/L) | COD (mg/L) |
| 1PO15801 | 08/07/01 | 10.5 | <5 | ND | <0.223 | 16 |
| 1PO17301 | 09/10/01 | <5 | <5 | ND | <0.223 | 0.0 |
| TPD01301 | 10/08/01 | <5 | ND | ND | 1.102 | 29 |
| TPD11301 | 11/05/01 | 10.9 | 9.2 | <5 | <0.223 | 0 |
| TPD21401 | 12/04/01 | 6.8 | ND | ND | <0.223 | 20 |
| TPD31401 | 01/08/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD41401 | 02/05/02 | 5.4 | <5 | ND | <0.223 | 20 |
| TPD51301 | 03/04/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD61401 | 04/02/02 | 58.3 | 84.1 | ND | <0.223 | 135 |
| PD501401 | 04/30/02 | <5 | <5 | ND | <0.223 | 8 |
| PD601401 | 06/04/02 | <5 | <5 | <5 | <0.223 | 38 |
| PD701401 | 07/09/02 | <5 | <5 | ND | <0.223 | 0 |
| PD801401 | 08/05/02 | 13.2 | 10.5 | ND | <0.223 | 64 |
| PD901401 | 09/09/02 | <5 | <5 | ND | <0.223 | 0 |
| PD101301 | 10/07/02 | <5 | <5 | ND | <0.223 | 36 |

| TAN-29 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Sample Date | Acetate (mg/L) | Propionate (mg/L) | Butyrate (mg/L) | (Lactate (mg/L) | COD (mg/L) |
| 1PO16301 | 08/06/01 | 7.7 | ND | ND | <0.223 | 0 |
| 1PO17801 | 09/10/01 | <5 | <5 | ND | <0.223 | 4.0 |
| 1PO17802 | 09/10/01 | <5 | <5 | ND | <0.223 | 15 |
| TPD00701 | 10/08/01 | <5 | ND | ND | <0.223 | 22 |
| TPD10701 | 11/05/01 | 7.7 | ND | ND | <0.223 | 0 |
| TPD20701 | 12/05/01 | 6.2 | ND | ND | <0.223 | 6 |
| TPD30701 | 01/09/02 | <5 | ND | ND | <0.223 | 0 |
| TPD40701 | 02/04/02 | 5.9 | <5 | ND | <0.223 | 0 |
| TPD50701 | 03/05/02 | <5 | <5 | ND | <0.223 | 0 |
| TPD60701 | 04/01/02 | <5 | ND | ND | <0.223 | 169* |
| PD500701 | 04/29/02 | <5 | <5 | ND | <0.223 | 0 |
| PD600701 | 06/03/02 | <5 | <5 | <5 | <0.223 | 28 |
| PD700701 | 07/09/02 | <5 | <5 | ND | <0.223 | 7 |
| PD800701 | 08/05/02 | <5 | <5 | ND | <0.223 | 0 |
| PD900701 | 09/09/02 | <5 | <5 | ND | <0.223 | 0 |
| PD100601 | 10/07/02 | <5 | <5 | ND | <0.223 | 23 |

*Suspect interference durina analvsis

Propionate and Butyrate duplicate data

| Propionate | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD%** |
| 1PO156 | 08/06/01 | TAN-26 | ND | ND | NA |
| 1PO178 | 09/10/01 | TAN-29 | 2.5 | 2.5 | NA |
| TPD005 | 10/08/01 | TAN-27 | ND | ND | NA |
| TPD103 | 11/06/01 | TAN-25 | 1747.7 | 1718.9 | 2 |
| 37B101 | 11/19/01 | TAN-37B | ND | ND | NA |
| TPD205 | 12/06/01 | TAN-27 | ND | ND | NA |
| TPD305 | 01/09/02 | TAN-27 | ND | ND | NA |
| TPD409 | 02/05/02 | TAN-31 | 2.5 | 2.5 | NA |
| TPD605 | 04/01/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD5006 | 04/29/02 | TAN-28 | 2.5 | 2.5 | NA |
| PD6005 | 06/03/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD7002 | 07/09/02 | TSF-05B | 1597.0 | 1514.8 | 5 |
| PD8004 | 08/05/02 | TAN-26 | 2.5 | 2.5 | NA |
| PD9005 | 09/09/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD1004 | 10/07/02 | TAN-27 | 2.5 | 2.5 | NA |

| Butyrate (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD%** |
| 1PO156 | 08/06/01 | TAN-26 | ND | ND | NA |
| 1PO178 | 09/10/01 | TAN-29 | ND | ND | NA |
| TPD005 | 10/08/01 | TAN-27 | ND | ND | NA |
| TPD103 | 11/06/01 | TAN-25 | 41.9 | 40.9 | 2 |
| 37B101 | 11/19/01 | TAN-37B | ND | ND | NA |
| TPD205 | 12/06/01 | TAN-27 | ND | ND | NA |
| TPD305 | 01/09/02 | TAN-27 | ND | ND | NA |
| TPD409 | 02/05/02 | TAN-31 | ND | ND | NA |
| TPD605 | 04/01/02 | TAN-27 | ND | ND | NA |
| PD5006 | 04/29/02 | TAN-28 | ND | ND | NA |
| PD6005 | 06/03/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD7002 | 07/09/02 | TSF-05B | 14.2 | 13.1 | 8 |
| PD8004 | 08/05/02 | TAN-26 | ND | ND | NA |
| PD9005 | 09/09/02 | TAN-27 | ND | ND | NA |
| PD1004 | 10/07/02 | TAN-27 | ND | ND | NA |

Acetate and Lactate duplicate data

| Acetate (µg/L) | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD% |
| 1PO156 | 08/06/01 | TAN-26 | 14.3 | 13.7 | 4 |
| 1PO178 | 09/10/01 | TAN-29 | 2.5 | 2.5 | NA |
| TPD005 | 10/08/01 | TAN-27 | 2.5 | 2.5 | NA |
| TPD103 | 11/06/01 | TAN-25 | 1370.6 | 1367.2 | 0 |
| 37B101 | 11/19/01 | TAN-37B | ND | ND | NA |
| TPD205 | 12/06/01 | TAN-27 | 2.5 | 6.5 | NA |
| TPD305 | 01/09/02 | TAN-27 | 2.5 | 2.5 | NA |
| TPD409 | 02/05/02 | TAN-31 | 2.5 | 2.5 | NA |
| TPD605 | 04/01/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD5006 | 04/29/02 | TAN-28 | 2.5 | 2.5 | NA |
| PD6005 | 06/03/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD7002 | 07/09/02 | TSF-05B | 1783.4 | 1714.6 | 4 |
| PD8004 | 08/05/02 | TAN-26 | 2.5 | 2.5 | NA |
| PD9005 | 09/09/02 | TAN-27 | 2.5 | 2.5 | NA |
| PD1004 | 10/07/02 | TAN-27 | 2.5 | 2.5 | NA |

| Lactate | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD% |
| 1PO156 | 08/06/01 | TAN-26 | 0.117 | 0.117 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 0.117 | 0.117 | NA |
| TPD005 | 10/08/01 | TAN-27 | 0.117 | 0.117 | NA |
| TPD103 | 11/06/01 | TAN-25 | 279.5 | 281.8 | 1 |
| 37B101 | 11/19/01 | TAN-37B | NA | NA | NA |
| TPD205 | 12/06/01 | TAN-27 | 0.117 | 0.117 | NA |
| TPD305 | 01/09/02 | TAN-27 | 0.117 | 0.117 | NA |
| TPD409 | 02/05/02 | TAN-31 | 0.117 | 0.117 | NA |
| TPD605 | 04/01/02 | TAN-27 | 0.117 | 0.117 | NA |
| PD5006 | 04/29/02 | TAN-28 | 0.117 | 0.117 | NA |
| PD6005 | 06/03/02 | TAN-27 | 0.117 | 0.117 | NA |
| PD7002 | 07/09/02 | TSF-05B | 6697.3 | 6672.8 | 0 |
| PD8004 | 08/05/02 | TAN-26 | 0.117 | 0.117 | NA |
| PD9005 | 09/09/02 | TAN-27 | 0.117 | 0.117 | NA |
| PD1004 | 10/07/02 | TAN-27 | 0.117 | 0.117 | NA |

Redox parameters in TSF-05A and -05B

| TSF-05A | | | | |
|---|---|---|---|---|
| Sample ID | Date | iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO15301 | 08/07/01 | >3 | 0 | 11977.8 |
| 1PO16801 | 09/11/01 | >3 | 0 | 10077.6 |
| TPD00101 | 10/08/01 | >3 | 0 | 13785.4 |
| TPD10101 | 11/06/01 | >3 | 0 | 13999.2 |
| TPD10101 | 11/06/01 | | | 17185.0 |
| TPD20101 | 12/03/01 | >3 | 0 | 10928.5 |
| TPD30101 | 01/07/02 | >3 | 0 | 8708.2 |
| TPD40101 | 02/04/02 | >3 | 0 | 9949.5 |
| TPD50101 | 03/04/02 | >3 | 0 | 15394.0 |
| TPD60101 | 04/01/02 | >3 | 0 | 4498.4 |
| PD500101 | 04/30/02 | 1.77 | 0 | 12300.1 |
| PD600101 | 06/03/02 | 2.93 | 0 | 9647.4 |
| PD600101 | 06/03/02 | | | 7161.5 |
| PD700101 | 07/08/02 | >3 | 13 | 3792.7 |
| PD800101 | 08/06/02 | >3 | 0 | 8570.6 |
| PD800101 | 08/06/02 | 3.60 | | 6569.5 |
| PD900101 | 09/09/02 | 2.79 | 0 | 8859.0 |
| PD900101 | 09/09/02 | | | 13629.1 |
| PD100001 | 10/07/02 | 2.83 | 0 | 7531.0 |
| PD100001 | 10/07/02 | | | 10036.2 |

| TSF-05B | | | | |
|---|---|---|---|---|
| Sample ID | Date | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO15401 | 08/07/01 | >3 | 0 | 7524.0 |
| 1PO16901 | 09/12/01 | >3 | 0 | 5786.0 |
| TPD00201 | 10/10/01 | >3 | 0 | 9633.0 |
| TPD10201 | 11/07/01 | >3 | 0 | 11246.0 |
| TPD20201 | 12/04/01 | >3 | 0 | 17812.2 |
| TPD20201 | 12/04/01 | | | 11439.2 |
| TPD30201 | 01/08/02 | >3 | 0 | 711.1 |
| TPD40201 | 02/05/02 | >3 | 0 | 15754.0 |
| Not sampled during March 2002 due to inoperable pump. | | | | |
| TPD60201 | 04/02/02 | >3 | 0 | 10438.2 |
| TPD60201 | 04/02/02 | >3 | | |
| TPD60201 | 04/02/02 | >3 | | |
| TPD60201 | 04/02/02 | 6.20 | | |
| PD500201 | 05/01/02 | >3 | navailable | 14227.1 |
| PD600201 | 06/04/02 | 2.72 | 0 | 6191.1 |
| PD700201 | 07/09/02 | >3 | 0 | 7756.8 |
| PD700201 | 07/09/02 | 3.80 | | |
| PD700202 | 07/09/02 | >3 | 0 | 8125.6 |
| PD700202 | 07/09/02 | 3.80 | | |
| PD800201 | 08/08/02 | >3 | | 6717.0 |
| PD800201 | 08/08/02 | 4.00 | | |
| PD900201 | 09/09/02 | >3 | 0 | 14985.6 |
| PD900201 | 09/09/02 | 4.00 | | |
| PD100101 | 10/08/02 | 3.80 | 0 | 11678.4 |

Redox parameters in TAN-25 and -31

| TAN-25 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (μg/L) |
| 1PO15501 | 08/07/01 | 0.32 | >3 | 0 | 3830.4 |
| 1PO17001 | 09/11/01 | 0.14 | >3 | 0 | 7254.8 |
| TPD00301 | 10/10/01 | 0.15 | >3 | 0 | 4761.5 |
| TPD10301 | 11/06/01 | 2.10 | >3 | 0 | 4546.5 |
| TPD10303 | 11/06/01 | | | | 7106.8 |
| TPD20301 | 12/04/01 | 0.00 | >3 | 0 | 11364.1 |
| TPD30301 | 01/08/02 | 0.19 | >3 | 0 | 3288.8 |
| TPD40301 | 02/05/02 | 0.14 | >3 | 0 | 9171 |
| TPD50301 | 03/05/02 | 0.00 | >3 | 0 | 12673.1 |
| TPD60301 | 04/02/02 | 0.16 | >3 | 0 | 4238.4 |
| TPD60301 | 04/02/02 | | >3 | | 4500.0 |
| TPD60301 | 04/02/02 | | >3 | | |
| PD500301 | 04/30/02 | 0.28 | 2.30 | 0 | 7084.5 |
| PD600301 | 06/04/02 | 0.00 | 2.68 | 0 | 9291.5 |
| PD700301 | 07/09/02 | 0.06 | >3 | 0 | 5433.0 |
| PD700301 | 07/09/02 | | 4.00 | | |
| PD800301 | 08/08/02 | 0.09 | 2.96 | 0 | 3226.8 |
| PD900301 | 09/09/02 | 0.11 | 1.66 | 0 | 11614.8 |
| PD100201 | 10/08/02 | 0.36 | 5.50 | 0 | 8681.3 |

| TAN-31 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (μg/L) |
| 1PO15701 | 08/08/01 | 0.4 | >3 | 0 | 16433.0 |
| 1PO15701 | 08/08/01 | | | | 17181.8 |
| 1PO17201 | 09/11/01 | 0.22 | >3 | 0 | 13082.5 |
| 1PO17201 | 09/11/01 | | | | 9437.7 |
| TPD00901 | 10/10/01 | 0.27 | >3 | 0 | 17427.0 |
| TPD10901 | 11/06/01 | 0.00 | >3 | 0 | 14687.0 |
| TPD20901 | 12/03/01 | 0.05 | >3 | 0 | 22279.9 |
| TPD30901 | 01/08/02 | 0.20 | >3 | 0 | 5447.0 |
| TPD40901 | 02/05/02 | 0.17 | >3 | 0 | 18323.9 |
| TPD40902 | 02/05/02 | | >3 | 0 | 15077.7 |
| TPD50901 | 03/05/02 | 0.00 | >3 | 0 | 18339.8 |
| TPD60901 | 04/02/02 | 0.22 | >3 | 0 | 8266.2 |
| TPD60901 | 04/02/02 | | >3 | | |
| TPD60901 | 04/02/02 | | >3 | | |
| TPD60901 | 04/02/02 | | 7.80 | | |
| PD500901 | 04/30/02 | 0.11 | 2.20 | 0 | 9813.3 |
| PD600901 | 06/04/02 | 0.00 | >3 | 0 | 12764.7 |
| PD700901 | 07/09/02 | 0.00 | 2.69 | 0 | 9170.5 |
| PD800901 | 08/08/02 | 0.10 | >3 | 0 | 4152.9 |
| PD800901 | 08/08/02 | | 5.30 | | |
| PD900901 | 09/09/02 | 0.1 | >3 | 0 | 29714.3 |
| PD900901 | 09/09/02 | | 4.30 | | |
| PD100801 | 10/08/02 | 0.28 | 3.60 | 0 | 10131.7 |

Redox parameters in TAN-26 and -37C

| TAN-26 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO15601 | 08/06/01 | 0.70 | >3 | 0 | 16337.8 |
| 1PO15603 | 08/06/01 | | | | 21491.2 |
| 1PO17101 | 09/11/01 | 20.0# | >3 | 0 | 17331.2 |
| TPD00401 | 10/08/01 | 0.45 | >3 | 0 | 15153.1 |
| TPD10401 | 11/06/01 | 0.70 | >3 | 0 | 17934.8 |
| TPD20401 | 12/04/01 | 0.00 | >3 | 0 | 20569.5 |
| TPD30401 | 01/08/02 | 0.00 | >3 | 0 | 11625.5 |
| TPD40401 | 02/05/02 | 0.15 | >3 | 0 | 15054.1 |
| TPD50401 | 03/05/02 | 0.00 | >3 | 0 | 15928.0 |
| TPD60401 | 04/02/02 | 0.32 | >3 | 0 | 11260.6 |
| TPD60401 | 04/02/02 | | >3 | | |
| TPD60401 | 04/02/02 | | >3 | | |
| TPD60401 | 04/02/02 | | 6.40 | | |
| PD500401 | 04/30/02 | 0.21 | 2.58 | 0 | 7726.4 |
| PD600401 | 06/04/02 | 0.00 | 2.58 | 0 | 7404.4 |
| PD700401 | 07/09/02 | 0.00 | >3 | available | 10268.5 |
| PD700401 | 07/09/02 | | 3.50 | | |
| PD800401 | 08/06/02 | 0.07 | 2.02 | 0 | 18081.1 |
| PD800402 | 08/06/02 | | 2.75 | 0 | 18601.2 |
| PD900401 | 09/09/02 | 0.45 | >3 | 0 | 11570.2 |
| PD900401 | 09/09/02 | | 3.80 | | |
| PD100301 | 10/08/02 | 0.41 | 3.60 | 0 | 23038.4 |

| TAN-37C | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO16001 | 08/08/01 | 0.64 | >3 | 0 | 16120.4 |
| 1PO17501 | 09/11/01 | 0.39 | >3 | 0 | 16071.7 |
| TPD01101 | 10/10/01 | 0.08 | >3 | 0 | 14139.9 |
| TPD11101 | 11/06/01 | 0.30 | 2.48 | 0 | 17179.5 |
| TPD21201 | 12/03/01 | 0.03 | >3 | 0 | 19185.8 |
| TPD31201 | 01/09/02 | 0.27 | >3 | 0 | 10166.5 |
| TPD41201 | 02/06/02 | 0.20 | >3 | 0 | 17221.2 |
| TPD51101 | 03/05/02 | 0.00 | 2.22 | 0 | 12679.6 |
| TPD61201 | 04/03/02 | 0.17 | >3 | 0 | 16553.8 |
| TPD61201 | 04/03/02 | | 4.40 | | |
| 37A00201 | 04/17/02 | 0.29 | 2.87 | 0 | 11632.6 |
| 37A00201 | 04/17/02 | | 3.80 | | |
| 37A00202 | 04/17/02 | | >3 | 0 | 9410.5 |
| 37A00202 | 04/17/02 | | 4.20 | | |
| PD501201 | 05/01/02 | 0.15 | 2.31 | 0 | 14629.9 |
| PD601201 | 06/04/02 | 0.00 | >3 | 0 | 14389.8 |
| PD601201 | 06/04/02 | | 3.40 | | |
| PD701201 | 07/10/02 | 0.00 | >3 | 0 | 14421.0 |
| PD701201 | 07/10/02 | | 3.4 | | |
| PD801201 | 08/08/02 | 0.03 | >3 | | 14952.1 |
| PD801201 | 08/08/02 | | 3.60 | | |
| PD901201 | 09/09/02 | 0.12 | 4.00 | 0 | 27172.2 |
| PD901201 | 09/09/02 | | 4.00 | | |
| PD101101 | 10/08/02 | 0.28 | 3.50 | 0 | 23899.0 |

**Redox** parameters in **TAN-37A** and **-37B**

| TAN-37A | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO15901 | 08/08/01 | 0.00 | 0.02 | 30 | 13848.8 |
| 1PO17401 | 09/11/01 | 0.00 | 0.01 | 33 | 15701.6 |
| TPD01001 | 10/10/01 | 0.61 | 0.03 | 29 | 15262.1 |
| TPD11001 | 11/06/01 | 4.60 | 0.06 | 27 | 16962.6 |
| TPD21001 | 12/03/01 | 0.25 | 0.09 | 23 | 15847.8 |
| TPD31001 | 01/07/02 | 0.43 | 0.04 | 35 | 10759.1 |
| TPD41001 | 02/06/02 | 0.61 | 0.01 | 32 | 9450.7 |
| TPD51001 | 03/05/02 | 0.00 | 0.01 | 32 | 9857.5 |
| TPD61001 | 04/03/02 | 0.00 | 0.03 | 36 | 11921.2 |
| TPD61001 | 04/03/02 | | 0.03 | | |
| TPD61001 | 04/03/02 | | 0.03 | | |
| 37A00001 | 04/17/02 | 0.42 | 0.26 | 24 | 11386.5 |
| PD501001 | 05/01/02 | | 0.13 | 28 | 9414.9 |
| PD501001 | 05/01/02 | | | | 9308 |
| PD601001 | 06/04/02 | 0.00 | 0.02 | 34 | 13688.9 |
| PD701001 | 07/10/02 | 0.03 | 0.03 | 35 | 12762.0 |
| PD801001 | 08/08/02 | 0.20 | 0.01 | 37 | 12670.7 |
| PD901001 | 09/09/02 | 0.34 | 0.01 | 33 | 16853.0 |
| PD100901 | 10/08/02 | 0.48 | 0.05 | 26 | 17496.4 |

| TAN-37B | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 37B10101 | 11/19/01 | 7.6# | 1.34 | 25 | 722.30 |
| 37B10101 | 11/19/01 | | | | 675.1 |
| 37B10102 | 11/19/01 | | 1.31 | 24 | 719.0 |
| 37B10102 | 11/19/01 | | | | 916.2 |
| TPD21101 | 12/10/01 | 0.81 | 0.01 | 28 | 15564.8 |
| TPD31101 | 01/07/02 | 0.00 | 0.01 | 34 | 10626.9 |
| TPD41101 | 02/06/02 | 0.37 | 0.02 | 28 | 11086.8 |
| TPD51601 | 03/06/02 | 0.00 | 0.04 | 37 | 10272.3 |
| TPD61101 | 04/03/02 | 0.00 | 0.80 | 35 | 10324.1 |
| TPD61101 | 04/03/02 | | 0.70 | | |
| TPD61101 | 04/03/02 | | 0.80 | | |
| 37A00101 | 04/17/02 | 0.47 | 0.58 | 23 | 9064.6 |
| 37A00101 | 04/17/02 | 0.00 | | | 9689.3 |
| PD501101 | 05/01/02 | 0.00 | 0.42 | 25 | 10132.3 |
| PD601101 | 06/04/02 | 0.00 | 0.04 | 33 | 13632.3 |
| PD701101 | 07/10/02 | 0.11 | 0.02 | 34 | 11990.7 |
| PD801101 | 08/08/02 | 0.22 | 0.02 | 35 | 13836.1 |
| PD901101 | 09/09/02 | 0.25 | 0.01 | 33 | 19374.0 |
| PD101001 | 10/08/02 | 0.45 | 0.25 | 26 | 22293.5 |

Redox parameters in TAN-28 and -30A

| TAN-28 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO16101 | 08/06/01 | 0.61 | 0.00 | 36 | 2692.6 |
| 1PO17601 | 09/10/01 | 0.00 | 0.00 | 35 | 2505.8 |
| TPD00601 | 10/08/01 | 0.54 | 0.01 | 41 | 4289.1 |
| TPD10601 | 11/05/01 | 1.40 | 0.02 | 32 | 5782.0 |
| TPD10601 | 11/05/01 | | | | 5054.3 |
| TPD20601 | 12/05/01 | 0.00 | 0.00 | 40 | 4163.7 |
| TPD30601 | 01/09/02 | 0.00 | 0.02 | 36 | 3867.8 |
| TPD40601 | 02/04/02 | 0.00 | 0.00 | 37 | 4445.3 |
| TPD50601 | 03/04/02 | 0.00 | 0.00 | 36 | 4140.0 |
| TPD60601 | 04/01/02 | 0.00 | 0.03 | 38 | 153.8 |
| PD500601 | 04/29/02 | 0.00 | 0.01 | 42 | 4500.3 |
| PD500602 | 04/29/02 | 0.00 | 0.00 | 39 | 5538.3 |
| PD600601 | 06/03/02 | 0.00 | 0.00 | 42 | 3345.1 |
| PD700601 | 07/08/02 | 0.00 | 0.02 | 39 | 4134.5 |
| PD800601 | 08/08/02 | 0.00 | 0.00 | 42 | 4737.1 |
| PD900601 | 09/09/02 | 0.00 | 0.01 | 35 | 11339.6 |
| PD100501 | 10/07/02 | 0.32 | 0.01 | 38 | 4328.7 |

| TAN-30A | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Metnane (µg/L) |
| 1PO16201 | 08/06/01 | 0.24 | 0.00 | 20 | 8514.2 |
| 1PO17701 | 09/10/01 | 0.00 | 0.00 | 19 | 10689.0 |
| TPD00801 | 10/08/01 | 0.10 | 0.04 | 22 | 11572.7 |
| TPD10801 | 11/05/01 | 0.00 | 0.12 | 21 | 11319.7 |
| TPD20801 | 12/05/01 | 0.11 | 0.02 | 27 | 12227.3 |
| TPD30801 | 01/06/02 | 0.59 | 0.07 | 24 | 10212.3 |
| TPD40801 | 02/04/02 | 0.11 | 0.05 | 21 | 9833.0 |
| TPD50801 | 03/05/02 | 0.00 | 0.04 | 27 | 10592.4 |
| TPD50801 | 03/05/02 | | | | 8896.7 |
| TPD60801 | 04/01/02 | 0.00 | 0.08 | 22 | 8251.9 |
| PD500801 | 04/29/02 | | 0.02 | 25 | 10966.4 |
| PD600801 | 06/03/02 | 0.00 | 0.08 | 27 | 8773.9 |
| PD700801 | 07/08/02 | 0.00 | 0.09 | 25 | 10299.6 |
| PD800801 | 08/08/02 | 0.00 | 0.06 | 24 | 9182.8 |
| PD900801 | 09/09/02 | 0.18 | 0.05 | 23 | 12697.9 |
| PD100701 | 10/07/02 | 0.31 | 0.05 | 27 | 10581.5 |

Redox parameters in TAN-10A and -27

| TAN-10A | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO16401 | 08/06/01 | 2.34 | 0.31 | 40 | 5.1 |
| 1PO17901 | 09/10/01 | 2.00 | 0.59 | 42 | 5.0 |
| TPD01201 | 10/08/01 | 1.48 | 0.23 | 40 | 3.6 |
| TPD11201 | 11/05/01 | 15.2 | 0.19 | 41 | 2.8 |
| TPD21301 | 12/06/01 | 1.62 | 0.17 | 37 | 3.2 |
| TPD31301 | 01/09/02 | 0.94 | 0.18 | 47 | 45.7 |
| TPD41301 | 02/06/02 | 1.89 | 0.16 | 45 | 13.4 |
| TPD51201 | 03/04/02 | 0.00 | 0.20 | 40 | 81.9 |
| TPD61301 | 04/01/02 | 0.00 | 0.31 | 43 | 144.4 |
| PD501301 | 04/29/02 | 0.38 | 0.22 | 40 | 6.3 |
| PD601301 | 06/03/02 | 0.00 | 0.26 | 44 | 124.8 |
| PD701301 | 07/08/02 | 0.00 | 0.33 | 39 | 73.8 |
| PD801301 | 08/06/02 | 0.00 | 0.53 | 43 | 212.7 |
| PD901301 | 09/09/02 | 0.00 | 0.54 | 45 | 42.5 |
| PD101201 | 10/07/02 | 0.30 | 0.32 | 42 | 30.3 |

| TAN-27 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | iron (mg/L) | Sulfate (mg/L) | Methane (µg/L) |
| 1PO16501 | 08/06/01 | 0.00 | 0.01 | 40 | 3.8 |
| 1PO18001 | 09/10/01 | 0.00 | 0.03 | 42 | 4.5 |
| TPD00501 | 10/08/01 | 0.00 | 0.02 | 42 | 229.30 |
| TPD00502 | 10/08/01 | | 0.02 | 41 | 125.0 |
| TPD10501 | 11/05/01 | 0.00 | 0.03 | 39 | 319.9 |
| TPD20501 | 12/06/01 | 0.00 | 0.00 | 41 | 482.0 |
| TPD20502 | 12/06/01 | | 0.00 | 38 | 449.3 |
| TPD30501 | 01/09/02 | 0.06 | 0.00 | 48 | 672.1 |
| TPD30501 | 01/09/02 | | | | 484.0 |
| TPD30502 | 01/09/02 | | 0.00 | 47 | 535.8 |
| TPD30502 | 01/09/02 | | | | 613.3 |
| TPD40501 | 02/06/02 | 0.32 | 0.00 | 46 | 651.0 |
| TPD40501 | 02/06/02 | | | | 714.4 |
| TPD50501 | 03/04/02 | 0.00 | 0.00 | 43 | 687.2 |
| TPD50502 | 03/04/02 | | 0.00 | 45 | 693.1 |
| TPD60501 | 04/04/02 | 0.00 | 0.03 | 41 | 703.9 |
| TPD60502 | 04/04/02 | | 0.02 | 42 | 755.8 |
| PD500501 | 04/29/02 | 0.00 | 0.00 | 48 | 740.0 |
| PD600501 | 06/03/02 | 0.00 | 0.01 | 42 | 850.1 |
| PD600502 | 06/03/02 | | 0.01 | 44 | 849.2 |
| PD700501 | 07/08/02 | 0.00 | 0.20 | 38 | 757.10 |
| PD700501 | 07/08/02 | | | | 885.3 |
| PD800501 | 08/06/02 | 0.00 | 0.02 | 41 | 914.8 |
| PD900501 | 09/09/02 | 0.00 | 0.0 | 40 | 2150.7 |
| PD900502 | 09/09/02 | | 0.01 | 40 | 1557.5 |
| PD100401 | 10/07/02 | 0.30 | 0.01 | 41 | 1358.3 |
| PD100402 | 10/07/02 | | 0.00 | 42 | 1358.60 |

Redox parameters in TAN-D2 and -29

| TAN-D2 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (μg/L) |
| 1PO15801 | 08/07/01 | 0.00 | 2.56 | 30 | 8970.6 |
| 1PO17301 | 09/10/01 | 0.33 | 2.67 | 10 | 10388.6 |
| TPD01301 | 10/08/01 | 0.00 | 2.35 | 29 | 5380.8 |
| TPD11301 | 11/05/01 | 0.00 | 2.63 | 27 | 7567.5 |
| TPD21401 | 12/04/01 | 0.00 | >3 | 30 | 15327.5 |
| TPD31401 | 01/08/02 | 0.00 | >3 | 26 | 7281.6 |
| TPD41401 | 02/05/02 | 0.19 | >3 | 26 | 12689.8 |
| TPD51301 | 03/04/02 | 0.00 | >3 | 24 | 10316.6 |
| TPD61401 | 04/02/02 | 0.00 | >3 | 0 | 13461.1 |
| TPD61401 | 04/02/02 | | >3 | | |
| TPD61401 | 04/02/02 | | >3 | | |
| TPD61401 | 04/02/02 | | 5.20 | | |
| PD501401 | 04/30/02 | | 2.69 | 25 | 13432.2 |
| PD601401 | 06/04/02 | 0.00 | >3 | 28 | 8933.0 |
| PD601401 | 06/04/02 | | 3.40 | | |
| PD701401 | 07/09/02 | 0.00 | 2.51 | 28 | 11279.6 |
| PD801401 | 08/06/02 | 0.10 | 2.89 | 0 | 13069.4 |
| PD901401 | 09/09/02 | 0.37 | >3 | 9 | 27190.6 |
| PD901401 | 09/09/02 | | 4.50 | | |
| PD101301 | 10/07/02 | | 4.40 | 0 | 20113.0 |

| TAN-29 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Dissolved oxygen (mg/L) | Iron (mg/L) | Sulfate (mg/L) | Methane (mg/L) |
| 1PO16301 | 08/06/01 | 0.41 | 0.01 | 40 | 532.3 |
| 1PO17801 | 09/10/01 | 0.00 | 0.02 | 41 | 1254.4 |
| TPD00701 | 10/08/01 | 0.00 | 0.04 | 37 | 2398.90 |
| TPD10701 | 11/05/01 | 0.00 | 0.04 | 35 | 3827.0 |
| TPD20701 | 12/05/01 | 0.00 | 0.00 | 38 | 5184.6 |
| TPD30701 | 01/09/02 | 0.04 | 0.02 | 42 | 2709.2 |
| TPD40701 | 02/04/02 | 0.06 | 0.03 | 33 | 3413.4 |
| TPD50701 | 03/05/02 | 0.00 | 0.00 | 39 | 2619.4 |
| TPD60701 | 04/01/02 | 0.00 | 0.02 | 39 | 1623.30 |
| PD500701 | 04/29/02 | 0.03 | 0.00 | 45 | 1800.9 |
| PD600701 | 06/03/02 | 0.00 | 0.01 | 44 | 143.6 |
| PD700701 | 07/09/02 | 0.00 | 0.03 | 41 | 121.1 |
| PD800701 | 08/08/02 | 0.33 | 0.03 | 45 | 250.6 |
| PD900701 | 09/09/02 | 0.00 | 0.05 | 43 | 21.0 |
| PD100601 | 10/07/02 | 0.53 | 0.01 | 36 | 2962.00 |

VOC **concentrations in TSF-05A and -05B**

| TSF-05A | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **PCE (µg/L)** | **TCE (µg/L)** | **cis-DCE (µg/L)** | **trans-DCE (µg/L)** | **1,1 DCE (µg/L)** | **VC (µg/L)** |
| 1PO15301 | 08/07/01 | ND | <10 | 113.5 | 596.4 | <10 | 90.4 |
| 1PO16801 | 09/11/01 | <10 | 742.7 | 1219.5 | 544.7 | <10 | 479.4 |
| TPD00101 | 10/08/01 | ND | <10 | 209.0 | 504.2 | <10 | 221.1 |
| TPD00101 | 10/08/01 | | | | | | |
| TPD10101 | 11/06/01 | ND | 343.8 | 655.1 | 497.5 | <10 | 243.8 |
| TPD20101 | 12/03/01 | ND | <10 | 66.4 | 543.3 | <10 | 84.1 |
| TPD30101 | 01/07/02 | <10 | 495.4 | 793.5 | 593.6 | <10 | 205.2 |
| TPD40101 | 02/04/02 | ND | <10 | 31.1 | 536.6 | <10 | 35.1 |
| TPD50101 | 03/04/02 | ND | <10 | 10.9 | 557.9 | <10 | 19.1 |
| TPD60101 | 04/01/02 | <10 | 1295.7 | 953.1 | 428.7 | 13.7 | 203.5 |
| PD500101 | 04/30/02 | ND | <10 | 214.5 | 735.7 | <10 | 80.9 |
| PD600101 | 06/03/02 | ND | <10 | 60.7 | 538.0 | <10 | 32.0 |
| PD600101 | 06/03/02 | | | | | | |
| PD700101 | 07/08/02 | ND | 53.9 | 202.2 | 651.2 | <10 | 79.6 |
| PD800101 | 08/05/02 | ND | 118.7 | 263.5 | 448.6 | <10 | 10.6 |
| PD800101 | 08/05/02 | | | | | | |
| PD900101 | 09/09/02 | ND | <10 | 38.2 | 473.2 | ND | 17.9 |
| PD900101 | 09/09/02 | | | | | | |
| PD100001 | 10/07/02 | <10 | 157.61 | 319.41 | 437.51 | <10 | 68.9 |

| TSF-05B | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **PCE (µg/L)** | **TCE (µg/L)** | **cis-DCE (µg/L)** | **trans-DCE (µg/L)** | **1,1 DCE (µg/L)** | **VC (µg/L)** |
| 1PO15401 | 08/07/01 | <10 | 40.9 | 126.9 | 874.4 | <10 | 40.2 |
| 1PO16901 | 09/12/01 | <10 | <10 | 150.0 | 708.0 | 44.9 | 51.9 |
| TPD00201 | 10/10/01 | ND | 11.9 | 116.3 | 874.9 | <10 | 32.6 |
| TPD00201 | 10/10/01 | ND | 12.7 | 118.1 | 884.5 | <10 | 33.2 |
| TPD10201 | 11/07/01 | ND | <10 | 225.0 | 526.0 | <10 | 84.7 |
| TPD10201 | 11/07/01 | ND | <10 | 269.2 | 629.3 | <10 | 90.0 |
| TPD20201 | 12/04/01 | ND | <10 | 76.7 | 757.1 | <10 | 42.2 |
| TPD20201 | 12/04/01 | | | | | | |
| TPD20201 | 12/04/01 | | | | | | |
| TPD30201 | 01/08/02 | ND | <10 | 205.8 | 616.7 | 24.9 | 73.6 |
| TPD40201 | 02/05/02 | ND | <10 | 61.5 | 693.1 | <10 | 25.3 |

VOC concentrations in TSF-05A and -05B

| TSF-05B | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **PCE (μg/L)** | **TCE (μg/L)** | **cis-DCE (μg/L)** | **trans-DCE (μg/L)** | **1,1 DCE (μg/L)** | **VC (μg/L)** |
| Not sampled during March 2002 due to inoperable pump. | | | | | | | |
| TPD60201 | 04/02/02 | <5 | 1136 | 560.7 | 369.2 | 26.1 | 163.6 |
| PD500201 | 05/01/02 | ND | 33 | 326.4 | 695.6 | <10 | 43.4 |
| PD600201 | 06/04/02 | ND | 14.2 | 121.1 | 652.7 | <10 | 22.9 |
| PD600201 | 06/04/02 | ND | 13.6 | 113.6 | 636.4 | <10 | 23 |
| PD700201 | 07/09/02 | ND | <10 | 121.1 | 481.5 | 22.2 | 15.2 |
| PD700202 | 07/09/02 | ND | <10 | 130 | 511.9 | 24.7 | 18.1 |
| PD800201 | 08/06/02 | ND | 22.4 | 164.0 | 385.6 | 22.4 | 23.2 |
| PD800202 | 08/06/02 | ND | 21.4 | 154.6 | 374.2 | 21.1 | 24.8 |
| PD900201 | 09/09/02 | ND | <10 | 108.2 | 518.2 | ND | 16.7 |
| PD900201 | 09/09/02 | ND | <10 | 106.4 | 492.5 | ND | 18.7 |
| PD100101 | 10/08/02 | <10 | 166.2 | 243.3 | 341.4 | <10 | 61.8 |
| PD100101 | 10/08/02 | <10 | 178.2 | 246.1 | 358.1 | <10 | 63.1 |

VOC concentrations in TAN-26 and -37C

| TAN-26 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO15601 | 08/06/01 | ND | <10 | <10 | 76.1 | ND | ND |
| 1PO15603 | 08/06/01 | ND | <10 | <10 | 78.2 | ND | ND |
| 1PO17101 | 09/11/01 | ND | <10 | <10 | 73.8 | ND | ND |
| TPD00401 | 10/08/01 | ND | <10 | <10 | 89.3 | <10 | 10.2 |
| TPD10401 | 11/06/01 | ND | <10 | <10 | 84.4 | ND | <10 |
| TPD20401 | 12/04/01 | ND | <10 | <10 | 62.0 | ND | 10.1 |
| TPD30401 | 01/08/02 | ND | ND | <10 | 66.0 | <10 | ND |
| TPD40401 | 02/05/02 | ND | <10 | <10 | 55.4 | ND | <10 |
| TPD50401 | 03/05/02 | ND | 14.0 | <10 | 64.6 | <10 | ND |
| TPD60401 | 04/02/02 | ND | <10 | 41.4 | 108.6 | <10 | <10 |
| PD500401 | 04/30/02 | ND | <10 | 13.8 | 60.0 | ND | ND |
| PD600401 | 06/04/02 | 17.4 | <10 | 56.3 | 82.0 | <10 | ND |
| PD700401 | 07/09/02 | ND | <10 | ND | 76.7 | ND | ND |
| PD800401 | 08/05/02 | ND | <10 | <10 | 58.9 | ND | <10 |
| PD800403 | 08/05/02 | ND | <10 | <10 | 57.9 | ND | <10 |
| PD900401 | 09/09/02 | ND | <10 | <10 | 84.3 | <10 | ND |
| PD100301 | 10/08/02 | ND | <10 | <10 | 59.9 | <10 | <10 |

| TAN-37C | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16001 | 08/08/01 | ND | <10 | ND | 102.2 | <10 | ND |
| 1PO17501 | 09/11/01 | ND | <10 | <10 | 122.0 | ND | <10 |
| TPD01101 | 10/10/01 | ND | <10 | <10 | 122.9 | ND | <10 |
| TPD11101 | 11/06/01 | ND | <10 | <10 | 113.4 | ND | <10 |
| TPD21201 | 12/03/01 | ND | <10 | <10 | 118.3 | <10 | <10 |
| TPD31201 | 01/09/02 | ND | <10 | <10 | 120.1 | ND | <10 |
| TPD41201 | 02/06/02 | ND | <10 | <10 | 110.6 | <10 | <10 |
| TPD51101 | 03/05/02 | ND | <10 | <10 | 105.4 | ND | <10 |
| TPD61201 | 04/03/02 | ND | <10 | <10 | 121.5 | <10 | 27.1 |
| 37A00201 | 04/17/02 | ND | <10 | <10 | 101.3 | <10 | ND |
| 37A00202 | 04/17/02 | ND | <10 | <10 | 101.9 | <10 | ND |
| PD501201 | 05/01/02 | ND | <10 | <10 | 98.0 | <10 | <10 |
| PD601201 | 06/04/02 | ND | <10 | <10 | 82.8 | <10 | ND |
| PD701201 | 07/10/02 | ND | <10 | ND | 77.2 | ND | ND |

| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
|---|---|---|---|---|---|---|---|
| PD701201 s | 07/10/02 | 44.7 | 50.6 | 50.9 | 126.6 | 44.9 | 51.7 |
| PD801201 | 08/05/02 | ND | <10 | <10 | 86.7 | ND | <10 |
| PD901201 | 09/09/02 | ND | <10 | ND | 86.4 | ND | ND |
| PD101101 | 10/08/02 | ND | <10 | <10 | 135.5 | ND | 27.0 |

VOC concentrations in TAN-37A and -37B

| TAN-37A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO15901 | 08/08/01 | <10 | 255.3 | 40.0 | 111.1 | <10 | <10 |
| 1PO15901 | 08/08/01 | <10 | 259.8 | 40.6 | 113.5 | <10 | <10 |
| 1PO17401 | 09/11/01 | <10 | 348.8 | 44.0 | 141.3 | <10 | <10 |
| 1PO17401 | 09/11/01 | <10 | 340.3 | 42.8 | 137.2 | <10 | <10 |
| TPD01001 | 10/10/01 | <10 | 342.8 | 45.0 | 142.6 | <10 | <10 |
| TPD11001 | 11/06/01 | <10 | 205.1 | 29.5 | 76.9 | ND | 11.8 |
| TPD21001 | 12/03/01 | <10 | 254.1 | 38.1 | 92.8 | <10 | 12.5 |
| TPD21001 | 12/03/01 | <10 | 255.5 | 38.5 | 92.8 | <10 | 12.3 |
| TPD31001 | 01/07/02 | <10 | 348.5 | 41.2 | 120.6 | <10 | 12.6 |
| TPD31001 | 01/07/02 | <10 | 346.8 | 40.6 | 120.6 | <10 | 12.7 |
| TPD41001 | 02/06/02 | <10 | 199.4 | 25.4 | 88.6 | ND | 13.6 |
| TPD41001 | 02/06/02 | <10 | 193.8 | 24.6 | 85.7 | ND | 13.5 |
| TPD51001 | 03/05/02 | <10 | 270.0 | 30.7 | 97.2 | ND | 15.2 |
| TPD51001 | 03/05/02 | <10 | 270.9 | 30.6 | 97.9 | ND | 15.2 |
| TPD61001 | 04/03/02 | <10 | 357.0 | 45.4 | 117.4 | <10 | 14.3 |
| TPD61001 | 04/03/02 | <10 | 368.9 | 47.3 | 120.6 | <10 | 14.3 |
| 37A00001 | 04/17/02 | <10 | 225.2 | 31.1 | 89.3 | ND | 11.7 |
| PD501001 | 05/01/02 | <10 | 174.2 | 25.4 | 84.3 | ND | 11.4 |
| PD501001 | 05/01/02 | | | | | | |
| PD601001 | 06/04/02 | <10 | 295.8 | 41.0 | 104.3 | <10 | <10 |
| PD701001 | 07/10/02 | <10 | 399.6 | 48.2 | 158.6 | <10 | 10.6 |
| PD701001 | 07/10/02 | <10 | 414.2 | 49.3 | 159.1 | <10 | 10.3 |
| PD801001 | 08/05/02 | <10 | 349.4 | 37.4 | 167.6 | <10 | <10 |
| PD901001 | 09/09/02 | <10 | 331.5 | 35.0 | 232.1 | <10 | <10 |
| PD100901 | 10/08/02 | 11.2 | 229.1 | 33.9 | 108.0 | <10 | 14.8 |

| TAN-37B | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 37B10101 | 11/19/01 | ND | 199.5 | 30.1 | 111.6 | <10 | <10 |
| 37B10101 | 11/19/01 | ND | 204.3 | 30.9 | 114.4 | <10 | <10 |
| 37B10102 | 11/19/01 | ND | 207.3 | 30.8 | 116.4 | <10 | <10 |
| 37B10102 | 11/19/01 | ND | 204.3 | 30.7 | 115.5 | <10 | <10 |
| TPD21101 | 12/10/01 | <10 | 203.1 | 30.5 | 106.2 | <10 | 14.0 |

VOC concentrations in TAN-37A and -37B

| TAN-37B | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| TPD31001 | 01/07/02 | <10 | 348.5 | 41.2 | 120.6 | <10 | 12.6 |
| TPD31001 | 01/07/02 | <10 | 346.8 | 40.6 | 120.6 | <10 | 12.7 |
| TPD41101 | 02/06/02 | <10 | 210.1 | 25.2 | 91.3 | ND | 13.3 |
| TPD51601 | 03/06/02 | <10 | 224.5 | 28.9 | 96.5 | <10 | 16.5 |
| TPD61101 | 04/03/02 | <10 | 311.1 | 37.4 | 127.0 | <10 | 15.2 |
| 37A00101 | 04/17/02 | <10 | 200.7 | 27.2 | 89.7 | ND | 12.2 |
| 37A00101 | 04/17/02 | <10 | 209.0 | 28.4 | 91.6 | ND | 12.0 |
| PD501101 | 05/01/02 | <10 | 163.8 | 24.6 | 85.7 | ND | 12.1 |
| PD601101 | 06/04/02 | <10 | 290.5 | 38.9 | 101.5 | <10 | <10 |
| PD701101 | 07/10/02 | <10 | 430.6 | 48.2 | 169.8 | <10 | <10 |
| PD801101 | 08/05/02 | <10 | 342.9 | 35.6 | 168.6 | <10 | <10 |
| PD901101 | 09/09/02 | <10 | 350.9 | 35.4 | 232.5 | ND | <10 |
| PD101001 | 10/08/02 | 10.2 | 178.9 | 27.1 | 106.9 | <10 | 24.9 |

VOC concentrations in TAN-28 and -30A

| TAN-28 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16101 | 08/06/01 | <10 | 983.5 | 201.6 | 199.4 | <10 | <10 |
| 1PO17601 | 09/10/01 | <10 | 679.6 | 163.2 | 174.2 | <10 | <10 |
| TPD00601 | 10/08/01 | 11.4 | 1071.7 | 170.8 | 182.4 | <10 | <10 |
| TPD10601 | 11/05/01 | 10.2 | 651.7 | 119.2 | 150.2 | <10 | <10 |
| TPD10601 | 11/05/01 | | | | | | |
| TPD20601 | 12/05/01 | 14.4 | 1107.5 | 170.9 | 208.7 | <10 | <10 |
| TPD30601 | 01/09/02 | <10 | 1051.3 | 169.4 | 208.3 | <10 | <10 |
| TPD40601 | 02/04/02 | <10 | 649.6 | 112.1 | 155.2 | <10 | <10 |
| TPD50601 | 03/04/02 | <10 | 866.9 | 165.2 | 211.0 | <10 | <10 |
| TPD60601 | 04/01/02 | <10 | 1035.3 | 170.5 | 201.0 | <10 | <10 |
| PD500601 | 04/29/02 | <10 | 713.0 | 123.3 | 152.2 | <10 | <10 |
| PD500602 | 04/29/02 | <10 | 677.4 | 115.0 | 142.3 | <10 | <10 |
| PD600601 | 06/03/02 | 12.6 | 1157.6 | 140.3 | 173.4 | <10 | <10 |
| PD700601 | 07/08/02 | <10 | 1043.0 | 151.3 | 185.7 | <10 | <10 |
| PD800601 | 08/05/02 | <10 | 770.5 | 124.9 | 164.5 | <10 | <10 |
| PD900601 | 09/09/02 | <10 | 862.7 | 136.0 | 163.6 | <10 | <10 |
| PD100501 | 10/07/02 | 22.1 | 1335.1 | 161.8 | 167.9 | <10 | 13.0 |

| TAN-30A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16201 | 08/06/01 | <10 | 96.0 | 9.4 | 51.3 | <10 | <10 |
| 1PO17701 | 09/10/01 | <10 | 102.8 | 11.1 | 51.4 | ND | <10 |
| TPD00801 | 10/08/01 | <10 | 68.3 | <10 | 46.0 | <10 | <10 |
| TPD10801 | 11/05/01 | <10 | 64.3 | <10 | 41.8 | <10 | <10 |
| TPD20801 | 12/05/01 | 10.0 | 74.0 | <10 | 49.0 | <10 | <10 |
| TPD30801 | 01/06/02 | <10 | 81.9 | <10 | 42.7 | <10 | <10 |
| TPD40801 | 02/04/02 | <10 | <10 | <10 | 36.2 | <10 | <10 |
| TPD50801 | 03/05/02 | <10 | 95.1 | <10 | 41.2 | ND | <10 |
| TPD50801 | 03/05/02 | | | | | | |
| TPD60801 | 04/01/02 | <10 | 99.9 | <10 | 46.4 | <10 | <10 |
| PD500801 | 04/29/02 | <10 | 87.9 | <10 | 40.2 | ND | <10 |
| PD600801 | 06/03/02 | <10 | 76.1 | <10 | 37.6 | <10 | <10 |
| PD700801 | 07/08/02 | <10 | 91.5 | <10 | 39.8 | <10 | <10 |

VOC concentrations in TAN-28 and -30A

| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
|---|---|---|---|---|---|---|---|
| PD800801 | 08/05/02 | <10 | 80.1 | <10 | 37.0 | <10 | <10 |
| PD900801 | 09/09/02 | <10 | 134.5 | <10 | 47.8 | ND | <10 |
| PD100701 | 10/07/02 | <10 | 74.2 | <10 | 45.4 | <10 | 13.8 |

VOC concentrations in TAN-10A and -27

| TAN-10A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16401 | 08/06/01 | <10 | <10 | <10 | <10 | ND | ND |
| 1PO17901 | 09/10/01 | <10 | <10 | <10 | <10 | ND | ND |
| TPD01201 | 10/08/01 | <10 | <10 | <10 | <10 | ND | ND |
| TPD11201 | 11/05/01 | <10 | <10 | <10 | <10 | ND | ND |
| TPD21301 | 12/06/01 | <10 | <10 | <10 | <10 | ND | ND |
| TPD31301 | 01/09/02 | <10 | <10 | <10 | ND | ND | ND |
| TPD41301 | 02/06/02 | <10 | <10 | <10 | <10 | ND | ND |
| TPD51201 | 03/04/02 | <10 | <10 | ND | ND | ND | ND |
| TPD61301 | 04/01/02 | <10 | <10 | <10 | ND | ND | ND |
| PD501301 | 04/29/02 | <10 | <10 | ND | ND | ND | ND |
| PD601301 | 06/03/02 | <10 | <10 | ND | ND | 1.0 | ND |
| PD701301 | 07/08/02 | <10 | <10 | ND | ND | ND | ND |
| PD801301 | 08/05/02 | <10 | <10 | ND | <10 | ND | ND |
| PD901301 | 09/09/02 | <10 | <10 | ND | ND | ND | ND |
| PD101201 | 10/07/02 | <10 | <10 | <10 | <10 | ND | ND |

| TAN-27 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16501 | 08/06/01 | <10 | 40.3 | <10 | <10 | ND | ND |
| 1PO18001 | 09/10/01 | <10 | 41.3 | <10 | <10 | <10 | ND |
| TPD00501 | 10/08/01 | <10 | 39.1 | <10 | <10 | <10 | ND |
| TPD00502 | 10/08/01 | <10 | 39.6 | <10 | <10 | <10 | ND |
| TPD10501 | 11/05/01 | <10 | 40.0 | <10 | <10 | <10 | ND |
| TPD20501 | 12/06/01 | 11.3 | 42.2 | <10 | <10 | <10 | ND |
| TPD20502 | 12/06/01 | 12.2 | 41.8 | <10 | <10 | <10 | ND |
| TPD30501 | 01/09/02 | <10 | 48.4 | <10 | <10 | 6.1 | ND |
| TPD30502 | 01/09/02 | <10 | 47.5 | <10 | <10 | 6.1 | ND |
| TPD40501 | 02/06/02 | <10 | 33.2 | <10 | <10 | ND | ND |
| TPD40501 | 02/06/02 | | | | | | |
| TPD50501 | 03/04/02 | <10 | 48.7 | <10 | <10 | <10 | ND |
| TPD50502 | 03/04/02 | <10 | 50.4 | <10 | <10 | <10 | ND |
| TPD60501 | 04/01/02 | <10 | 44.9 | <10 | <10 | <10 | ND |
| TPD60502 | 04/01/02 | <10 | 47.2 | <10 | <10 | <10 | ND |

VOC concentrations in TAN-10A and -27

| TAN-27 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| PD00501 | 04/29/02 | <10 | 40.5 | <10 | <10 | <10 | ND |
| PD600501 | 06/03/02 | <10 | 38.3 | <10 | <10 | <10 | ND |
| PD600502 | 06/03/02 | <10 | 38.5 | <10 | <10 | <10 | ND |
| PD700501 | 07/08/02 | <10 | 37.3 | <10 | <10 | <10 | ND |
| PD700501 | 07/08/02 | | | | | | |
| PD800501 | 08/05/02 | <10 | 33.3 | <10 | <10 | <10 | ND |
| PD900501 | 09/09/02 | <10 | 50.5 | <10 | <10 | <10 | ND |
| PD900502 | 09/09/02 | <10 | 48.8 | <10 | <10 | <10 | ND |
| PD100401 | 10/07/02 | 11.3 | 43.2 | <10 | <10 | <10 | ND |
| PD100402 | 10/07/02 | 14.1 | 44.3 | <10 | <10 | <10 | ND |

VOC concentrations in TAN-D2 and -29

| TAN-D2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO15801 | 08/07/01 | <10 | 18.4 | <10 | 66.7 | ND | <10 |
| 1PO17301 | 09/10/01 | ND | 13.7 | <10 | 66.0 | <10 | <10 |
| TPD01301 | 10/08/01 | <10 | 17.1 | <10 | 23.6 | <10 | <10 |
| TPD11301 | 11/05/01 | ND | 16.9 | <10 | 34.4 | ND | <10 |
| TPD21401 | 12/04/01 | <10 | 17.0 | <10 | 45.8 | <10 | <10 |
| TPD31401 | 01/08/02 | ND | 16.2 | <10 | 39.5 | <10 | <10 |
| TPD41401 | 02/05/02 | ND | 14.8 | <10 | 49.7 | <10 | <10 |
| TPD51301 | 03/04/02 | ND | 17.2 | <10 | 46.1 | ND | <10 |
| TPD61401 | 04/02/02 | ND | 16.8 | <10 | 123.2 | <10 | <10 |
| PD501401 | 04/30/02 | <10 | 21.2 | <10 | 69.9 | ND | <10 |
| PD501401 | 04/30/02 | <10 | 19.7 | <10 | 66.2 | ND | <10 |
| PD601401 | 06/04/02 | ND | 25.7 | <10 | 70.9 | <10 | <10 |
| PD701401 | 07/09/02 | ND | 28.3 | <10 | 70.5 | <10 | <10 |
| PD801401 | 08/05/02 | <10 | 35.6 | <10 | 107.8 | <10 | <10 |
| PD901401 | 09/09/02 | ND | <10 | <10 | 112.5 | <10 | <10 |
| PD101301 | 10/07/02 | ND | 12.4 | <10 | 141.3 | <10 | 15.3 |

| TAN-29 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| 1PO16301 | 08/06/01 | <10 | 466.4 | 82.8 | 38.4 | <10 | <10 |
| 1PO17801 | 09/10/01 | <10 | 419.8 | 77.3 | 45.5 | <10 | <10 |
| 1PO17802 | 09/10/01 | <10 | 432.8 | 78.3 | 45.5 | <10 | <10 |
| TPD00701 | 10/08/01 | <10 | 424.7 | 78.4 | 51.8 | <10 | <10 |
| TPD10701 | 11/05/01 | <10 | 467.4 | 92.8 | 73.6 | <10 | <10 |
| TPD20701 | 12/05/01 | 13.6 | 547.1 | 105.1 | 82.2 | <10 | <10 |
| TPD30701 | 01/09/02 | <10 | 676.3 | 123.7 | 86.6 | <10 | 10.3 |
| TPD40701 | 02/04/02 | <10 | 497.8 | 99.0 | 73.4 | <10 | <10 |
| TPD50701 | 03/05/02 | 10.6 | 718.0 | 122.7 | 80.5 | <10 | 11.8 |
| TPD60701 | 04/01/02 | <10 | 740.5 | 126.0 | 64.4 | <10 | <10 |
| PD500701 | 04/29/02 | <10 | 617.7 | 116.5 | 69.8 | <10 | <10 |
| PD600701 | 06/03/02 | ND | 717.3 | 95.6 | 26.1 | <10 | ND |
| PD700701 | 07/09/02 | 12.0 | 706.8 | 99.6 | 20.1 | <10 | ND |
| PD800701 | 08/05/02 | 11.6 | 539.8 | 82.4 | 15.7 | <10 | ND |

VOC concentrations in TAN-D2 and -29

| TAN-29 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1 DCE (µg/L) | VC (µg/L) |
| PD900701 | 09/09/02 | <10 | 560.7 | 83.1 | 14.7 | ND | ND |
| PD100601 | 10/07/02 | 18.5 | 837.8 | 134.4 | 82.1 | <10 | 12.5 |

Onsite PCE, TCE, and cis-DCE duplicate data

| PCE (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 0.0 | 0.0 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 5.0 | 5.0 | NA |
| TPD005 | 10/08/01 | TAN-27 | 5.0 | 5.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 0.0 | 0.0 | NA |
| 37B101 | 11/19/01 | TAN-37B | 0.0 | 0.0 | NA |
| TPD505 | 03/04/02 | TAN-27 | 5.0 | 5.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 5.0 | 5.0 | NA |
| PD6005 | 06/03/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 0.0 | 0.0 | NA |
| PD8004 | 08/05/02 | TAN-26 | 0.0 | 0.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 11.3 | 14.1 | 22 |

| TCE (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 5.0 | 5.0 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 419.8 | 432.8 | 3 |
| TPD005 | 10/08/01 | TAN-27 | 39.1 | 39.6 | 1 |
| TPD103 | 11/06/01 | TAN-25 | 5.0 | 5.0 | NA |
| 37B101 | 11/19/01 | TAN-37B | 201.9 | 205.8 | 2 |
| TPD505 | 03/04/02 | TAN-27 | 48.7 | 50.4 | 3 |
| TPD605 | 04/01/02 | TAN-27 | 44.9 | 47.2 | 5 |
| PD5006 | 04/29/02 | TAN-28 | 713.0 | 677.4 | 5 |
| PD6005 | 06/03/02 | TAN-27 | 38.3 | 38.5 | 1 |
| PD7002 | 07/09/02 | TSF-05B | 5.0 | 5.0 | NA |
| PD8004 | 08/05/02 | TAN-26 | 5.0 | 5.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 50.5 | 48.8 | 3 |
| PD1004 | 10/07/02 | TAN-27 | 43.2 | 44.3 | 3 |

| cis-DCE (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 5.0 | 5.0 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 77.3 | 78.3 | 1 |
| TPD005 | 10/08/01 | TAN-27 | 5.0 | 5.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 50.4 | 52.6 | 4 |
| 37B101 | 11/19/01 | TAN-37B | 30.5 | 30.8 | 1 |
| TPD505 | 03/04/02 | TAN-27 | 5.0 | 5.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 123.3 | 115.0 | 7 |
| PD6005 | 06/03/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 121.1 | 130.0 | 7 |
| PD8004 | 08/05/02 | TAN-26 | 5.0 | 5.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 5.0 | 5.0 | NA |

Onsite trans-DCE, 1,1-DCE, and VC duplicate data

| trans-DCE (µg/L) | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % |
| 1PO156 | 08/06/01 | TAN-26 | 76.1 | 78.2 | 3 |
| 1PO178 | 09/10/01 | TAN-29 | 45.5 | 45.5 | 0 |
| TPD005 | 10/08/01 | TAN-27 | 5.0 | 5.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 291.1 | 305.3 | 5 |
| 37B101 | 11/19/01 | TAN-37B | 113 | 115.95 | 3 |
| TPD410 | 02/06/02 | TAN-37A | 88.6 | 85.7 | 3 |
| TPD505 | 03/04/02 | TAN-27 | 5.0 | 5.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 152.2 | 142.3 | 7 |
| PD6005 | 06/03/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 481.5 | 511.9 | 6 |
| PD8004 | 08/05/02 | TAN-26 | 58.9 | 57.9 | 2 |
| PD9005 | 09/09/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 5.0 | 5.0 | NA |

| 1,1 DCE (µg/L) | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % |
| 1PO156 | 08/06/01 | TAN-26 | 0.0 | 0.0 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 5.0 | 5.0 | NA |
| TPD005 | 10/08/01 | TAN-27 | 5.0 | 5.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 5.0 | 5.0 | NA |
| 37B101 | 11/19/01 | TAN-37B | 5 | 5 | NA |
| TPD410 | 02/06/02 | TAN-37A | 0.0 | 0.0 | NA |
| TPD505 | 03/04/02 | TAN-27 | 0.0 | 0.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 5.0 | 5.0 | NA |
| PD6005 | 06/03/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 22.2 | 24.7 | 11 |
| PD8004 | 08/05/02 | TAN-26 | 0.0 | 0.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 5.0 | 5.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 5.0 | 5.0 | NA |

| VC (µg/L) | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % |
| 1PO156 | 08/06/01 | TAN-26 | 0.0 | 0.0 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 5.0 | 5.0 | NA |
| TPD005 | 10/08/01 | TAN-27 | 0.0 | 0.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 11.9 | 12.2 | 2 |
| 37B101 | 11/19/01 | TAN-37B | 5 | 5 | NA |
| TPD410 | 02/06/02 | TAN-37A | 13.6 | 13.5 | 1 |
| TPD505 | 03/04/02 | TAN-27 | 0.0 | 0.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 5.0 | 5.0 | NA |
| PD6005 | 06/03/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 15.2 | 18.1 | 17 |
| PD8004 | 08/05/02 | TAN-26 | 5.0 | 5.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 0.0 | 0.0 | NA |

Onsite MS/MSD data for VOCs

| Onsite MS/MSD data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Sample Location | PCE (µg/L) | TCE (µg/L) | cis-DCE (µg/L) | trans-DCE (µg/L) | 1,1-DCE (µg/L) | VC (µg/L) |
| 1PO15801VA | 08/07/01 | 0908 | TAN-D2 | <10 | 18.4 | <10 | 66.7 | ND | <10 |
| 1PO15801VA Spike | 08/07/01 | 0908 | TAN-D2 | 46.9 | 71.6 | 50.6 | 118.2 | 43.5 | 53.5 |
| **Spike % Recovery** | | | | 94.5 | 107.0 | 101.8 | 103.6 | 87.6 | 107.6 |
| | | | | | | | | | |
| 1PO17701VA | 09/10/01 | 1021 | TAN-30A | <10 | 102.8 | 11.1 | 51.4 | ND | <10 |
| 1PO17701VA Spike | 09/10/01 | 1021 | TAN-30A | 59.0 | 155.0 | 68.1 | 101.9 | 44.9 | 63.3 |
| **Spike % Recovery** | | | | 94.2 | 105.0 | 114.7 | 101.6 | 90.4 | 121.4 |
| | | | | | | | | | |
| TPD10501VA | 11/05/01 | 1403 | TAN-27 | <10 | 40.0 | <10 | <10 | <10 | ND |
| TPD10501VA | 11/05/01 | 1403 | TAN-27 | 52.8 | 88.3 | 50.2 | 50.1 | 36.6 | 63.4 |
| **Spike % Recovery** | | | | 90.8 | 97.2 | 101.1 | 100.8 | 73.6 | 127.6 |
| | | | | | | | | | |
| TPD21301VA | 12/06/01 | 1056 | TAN-10A | <10 | <10 | <10 | <10 | ND | ND |
| TPD21301VA Spike | 12/06/01 | 1056 | TAN-10A | 49.7 | 56.1 | 50.4 | 50.0 | 46.1 | 59.7 |
| **Spike % Recovery** | | | | 98.4 | 96.7 | 101.4 | 100.5 | 92.8 | 120.1 |
| | | | | | | | | | |
| PD601301VA | 06/03/02 | 1121 | TAN-10A | <10 | <10 | ND | ND | ND | ND |
| PD601301VA Spike | 06/03/02 | 1121 | TAN-10A | 52.9 | 58.4 | 50.0 | 52.1 | 44.5 | 51.8 |
| **Spike % Recovery** | | | | 97.2 | 105.7 | 100.5 | 104.8 | 89.4 | 104.2 |
| | | | | | | | | | |
| PD701201VA | 07/10/02 | 1006 | TAN-37C | ND | <10 | ND | 77.2 | ND | ND |
| PD701201VA Spike | 07/10/02 | 1006 | TAN-37C | 44.7 | 50.6 | 50.9 | 126.6 | 44.9 | 51.7 |
| **Spike % Recovery** | | | | 89.8 | 101.7 | 102.3 | 99.3 | 90.3 | 103.9 |

Offsite VOC data for TSF-05A and -05B

| TSF-05A | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO153 | 08/07/01 | 5.0 | U | 3.4 | J | 660 | D | 120 | | 220 | D |
| TPD101 | 11/06/01 | 0.96 | J | 380 | | 872 | | 1056 | | 1600 | |
| TPD401 | 02/04/02 | 5 | U | 1.2 | J | 535.8 | | 30.98 | | 72 | |
| PD5001 | 04/30/02 | 5 | U | 1.3 | U | 890 | | 160 | | 190 | |
| PD8001 | 08/05/02 | 5 | U | 120 | | 500 | | 200 | | 140 | |

| TSF-05B | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO154 | 08/07/01 | 5 | U | 49 | | 1100 | D | 120 | | 100 | |
| TPD102 | 11/07/01 | 5 | U | 9.9 | | 835.4 | | 266.1 | | 370 | |
| TPD402 | 02/05/02 | 5 | U | 2.9 | J | 699.6 | | 28.71 | | 29 | |
| PD5002 | 05/01/02 | 5 | U | 31 | | 770 | | 110 | | 82 | |
| PD8002 | 08/06/02 | 5 | U | 29 | | 390 | | 67 | | 37 | |

**Offsite VOC** data for **TAN-25** and **-31**

| TAN-25 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO155 | 08/07/01 | 5.0 | U | 3.5 | J | 340 | D | 4.6 | | 5 | U |
| TPD10302 | 11/06/01 | 9.7 | J | 6.6 | J | 289.1 | | 7.6 | | 18 | J |
| TPD10304 | 11/06/01 | 5 | U | 6.4 | | 306.8 | | 7.183 | | 25 | |
| TPD40302 | 02/05/02 | 5 | U | 2 | J | 270 | | 1.579 | | 2.7 | J |
| PD500302 | 04/30/02 | 5 | u | 14 | | 350 | | 9.9 | | 12 | |
| PD8003 | 08/05/02 | 5 | u | 7.7 | | 210 | | 4.6 | J | 5.3 | |

| TAN-31 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO157 | 08/08/01 | 5.0 | U | 0.51 | J | 340 | D | 2.6 | | 5.0 | U |
| TPD109 | 11/06/01 | 5 | U | 5 | U | 381.2 | | 3.498 | | 9.2 | J |
| TPD409 | 02/05/02 | 25 | U | 1.6 | J | 386.8 | | 2.64 | | 4.4 | J |
| TPD409 | 02/05/02 | 5 | U | 1.4 | J | 356.4 | | 2.838 | | 3.8 | J |
| PD5009 | 04/30/02 | 5 | U | 1 | U | 380 | | 5 | U | 2.0 | J |
| PD8009 | 08/05/02 | 5 | U | 2.3 | J | 270 | | 1.9 | J | 2.4 | J |

**Offsite VOC** data for **TAN-26 and** -37C

| TAN-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO156 | 08/06/01 | 5 | U | 1.1 | J | 64 | | 2.5 | U | 5 | U |
| TPD10402 | 11/06/01 | 5 | U | 5 | U | 74.15 | | 0.6581 | | 5 | U |
| TPD40402 | 02/05/02 | 5 | U | 0.63 | J | 53.28 | | 0.6579 | | 0.98 | J |
| PD500402 | 04/30/02 | 5 | U | 1 | U | 62 | | 5 | U | 5 | U |
| PD800402 | 08/05/02 | 5 | U | 0.9 | J | 56 | | 0.53 | J | 1 | J |
| PD800404 | 08/05/02 | 5 | U | 0.83 | J | 55 | | 0.54 | J | 1.2 | J |

| TAN-37C | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO160 | 08/08/01 | 5 | U | 5 | U | 92 | | 2.5 | U | 5 | U |
| TPD11102 | 11/06/01 | 5 | U | 5.4 | U | 104.1 | | 3.174 | | 3.9 | J |
| TPD412 | 02/06/02 | 5 | U | 2.7 | J | 92.86 | | 1.957 | | 2.7 | J |
| PD5012 | 05/01/02 | 5 | U | 0.53 | U | 83 | | 0.42 | J | 5 | U |
| PD8012 | 08/05/02 | 5 | U | 4.5 | J | 81 | | 6.5 | | 3.9 | J |

Offsite VOC data for TAN-37A and -378

| TAN-37A | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO159 | 08/08/01 | 1.7 | J | 230 | | 100 | | 43 | | 10 | U |
| TPD110 | 11/06/01 | 25 | U | 320 | | 130.1 | | 50.88 | | 25 | U |
| TPD410 | 02/06/02 | 1.3 | J | 160 | | 85.49 | | 32.35 | | 12 | |
| PD5010 | 05/01/02 | 1.3 | J | 150 | | 86 | | 31 | | 8.6 | |
| PD8001 | 08/05/02 | 3.8 | J | 390 | | 160 | | 50 | | 4.8 | J |

| TAN-37B | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| PD5011 | 05/01/02 | 1.1 | J | 130 | | 81 | | 27 | | 8 | J |
| PD8011 | 08/05/02 | 3.9 | J | 380 | | 170 | | 50 | | 5.3 | |

Offsite VOC data for *TAN-28* and -30A

| TAN-28 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO161 | 08/06/01 | 8.9 | | 1200 | D | 220 | D | 220 | D | 5.1 | J |
| TPD10602 | 11/05/01 | 8.1 | | 860 | | 174.7 | | 145.6 | | 5.8 | J |
| TPD406 | 02/04/02 | 8.4 | | 640 | | 143.4 | | 117.3 | | 5.1 | J |
| PD5006 | 04/29/02 | 11 | | 900 | J | 170 | | 150 | | 2w | |
| PD5006 | 04/29/02 | 10 | | 910 | J | 160 | | 140 | | 4.8 | J |
| PD8006 | 08/05/02 | 13 | | 1300 | | 180 | | 170 | | 5 | |

| TAN-30A | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO162 | 08/06/01 | 4.1 | J | 89 | | 48 | | 15 | | 5 | U |
| TPD108 | 11/05/01 | 3.9 | J | 73 | | 43.33 | | 11.08 | | 2.8 | J |
| TPD408 | 02/04/02 | 4.1 | J | 59 | | 37.82 | | 9.759 | | 1.8 | J |
| PD5008 | 04/29/02 | 4.5 | J | 73 | | 40 | | 10 | | 2 | J |
| PD8008 | 08/05/02 | 3.7 | J | 70 | | 40 | | 9.7 | | 1.4 | J |

Offsite VOC data for TAN-1OA and -27

| TAN-10A | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO164 | 08/06/01 | 1.5 | J | 11 | | 2.5 | U | 2.5 | U | 5 | U |
| TPD112 | 11/05/01 | 2.3 | J | 13 | | 5 | U | 5 | U | 5 | U |
| TPD413 | 02/06/02 | 2.3 | J | 7.329 | | 5 | U | 5 | U | 5 | U |
| PD5013 | 04/29/02 | 2.6 | J | 7.4 | | 5 | U | 5 | U | 5 | U |
| PD8013 | 08/05/02 | 2 | J | 7.1 | | 5 | U | 5 | U | 5 | U |

| TAN-27 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO165 | 08/06/01 | 3.9 | J | 37 | | 2.5 | U | 2.5 | | 5 | U |
| TPD105 | 11/05/01 | 5.7 | | 45 | | 1.466 | J | 2.822 | U | 5 | U |
| TPD405 | 02/06/02 | 4.6 | J | 33 | | 3.671 | | 4.043 | | 5 | U |
| PD5005 | 04/29/02 | 5.8 | | 35 | | 5 | U | 3.7 | J | 5 | U |
| PD8005 | 08/05/02 | 4.8 | J | 35 | | 5 | U | 2.1 | J | 5 | U |

Offsite VOC data for TAN-D2 and -29

| TAN-D2 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO158 | 08/07/01 | 0.56 | J | 23 | | 66 | | 3.1 | | 5 | U |
| TPD113 | 11/05/01 | 0.91 | J | 20 | | 39.57 | | 1.893 | | 1.7 | J |
| TPD414 | 02/05/02 | 5 | U | 18 | | 51.57 | | 1.879 | | 1.3 | J |
| PD5014 | 04/30/02 | 5 | U | 22 | | 71 | | 4.6 | J | 1.4 | J |
| PD8014 | 08/05/02 | 5 | U | 38 | | 110 | | 3.2 | J | 1.6 | J |

| TAN-29 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag | VC (µg/L) | Flag |
| 1PO163 | 08/06/01 | 6.1 | | 400 | D | 38 | | 75 | | 3 | J |
| TPD107 | 11/05/01 | 7.9 | | 570 | | 75.15 | | 96.46 | | 7.4 | J |
| TPD407 | 02/04/02 | 8.5 | | 540 | | 75.87 | | 104.3 | | 7.6 | |
| PD5007 | 04/29/02 | 12 | | 760 | J | 75 | | 130 | | 6.9 | |
| PD8007 | 08/05/02 | 18 | | 850 | | 24 | | 98 | | 5 | U |

**Offsite VOC duplicate** data

| PCE (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | No August 2001 duplicate data | | | | |
| TPD103 | 11/06/01 | TAN-25 | 9.7 | J | 5 | U | NA |
| TPD409 | 02/05/02 | TAN-31 | 25.0 | U | 5.0 | U | NA |
| PD5006 | 04/29/02 | TAN-28 | 11 | | 10 | | 9.52 |
| PD8004 | 08/06/02 | TAN-26 | 5.0 | U | 5.0 | U | NA |

| TCE (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | No August 2001 duplicate data | | | | |
| TPD103 | 11/06/01 | TAN-25 | 6.6 | J | 6.4 | | 3 |
| TPD409 | 02/05/02 | TAN-31 | 1.6 | J | 1.4 | J | 13 |
| PD5006 | 04/29/02 | TAN-28 | 900 | J | 910 | J | 1 |
| PD8004 | 08/06/02 | TAN-26 | 0.9 | J | 0.8 | J | 8 |

| cis-DCE (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | No August 2001 duplicate data | | | | |
| TPD103 | 11/06/01 | TAN-25 | 7.6 | | 7.183 | | 6 |
| TPD409 | 02/05/02 | TAN-31 | 2.6 | | 2.8 | | 7 |
| PD5006 | 04/29/02 | TAN-28 | 150 | | 140 | | 7 |
| PD8004 | 08/06/02 | TAN-26 | 0.5 | J | 0.5 | J | 2 |

| trans-DCE (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | No August 2001 duplicate data | | | | |
| TPD103 | 11/06/01 | TAN-25 | 289.1 | | 306.8 | | 6 |
| TPD409 | 02/05/02 | TAN-31 | 386.8 | | 356.4 | | 8 |
| PD5006 | 04/29/02 | TAN-28 | 170 | | 160 | | 6 |
| PD8004 | 08/06/02 | TAN-26 | 56.0 | | 55.0 | | 2 |

| VC (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | No August 2001 duplicate data | | | | |
| TPD103 | 11/06/01 | TAN-25 | 18 | J | 25 | | 33 |
| TPD409 | 02/05/02 | TAN-31 | 4.4 | J | 3.8 | J | 15 |
| PD5006 | 04/29/02 | TAN-28 | 2 | | 4.8 | J | 82 |
| PD8004 | 08/06/02 | TAN-26 | 1.0 | J | 1.2 | J | 18 |

**U** = **Undetected**
**J** = **Estimated Value**

Offsite MS/MSD data for VOCs

| Offsite MS/MSD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Well | Compound | Spike Added (ug/L) | Sample Concentration (ug/L) | MS Concentration (ug/L) | MS % Recovered | | MSD Concentration (ug/L) | MSD % Recovered | |
| 08/08/01 | TAN-37A | 1,1-DCE | 100 | ND | 110 | 110 | | 112 | 112 | |
| | | TCE | 100 | 230 | 349 | 115 | | 343 | 110 | |
| 11/07/01 | TSF-05B | 1,1-DCE | 50 | ND | 57.36 | 114.73 | | 57.43 | 114.87 | |
| | | TCE | 50 | 9.9 | 58.4 | 116.79 | * | 58.07 | 116.14 | * |
| 02/06/02 | TAN-37A | 1,1-DCE | 50 | ND | 44.6 | 89 | | 44.5 | 89 | |
| | | TCE | 50 | 160 | 190 | 66 | | 186 | 57 | |
| 04/30/02 | TAN-D2 | 1,1-DCE | 50 | ND | 47.5 | 95 | | 46.2 | 92 | |
| | | TCE | 50 | 22 | 67.6 | 90 | | 68 | 91 | |

* Values outside of QC limits

Offsite VOC blank and MS, MSD data

| Blanks | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (µg/L) | Flag | TCE (µg/L) | Flag | trans-DCE (µg/L) | Flag | cis-DCE (µg/L) | Flag. | VC (µg/L) | Flag | |
| TPDI 15 | 11/05/01 | 5 | | 5 | U | | | | | | | |
| | | | | | | | | | | | | |
| PD5016 | 04/30/02 | 5 | U | 5 | U | 5 | U | 5 | U | 5 | U | |
| PD5015 | 05/01/02 | 5 | U | 5 | U | 5 | U | 5 | U | 5 | U | |
| PD8015 | 08/05/02 | 5 | U | 5 | U | 5 | U | 5 | U | 5 | U | Field blank |
| PD8016 | 08/06/02 | 5 | U | 5 | U | 5 | U | 5 | U | 5 | U | Trip blank |

| MS, MSD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Well | Compound | Spike Added (ug/L) | Sample Concentration (ug/L) | MS Concentration (ug/L) | MS % Recovered | | MSD Concentration (ug/L) | MSD % Recovered | |
| 08/08/01 | TAN-37A | 1,1-DCE | 100 | ND | 110 | 110 | | 112 | 112 | |
| | | TCE | 100 | 230 | 349 | 115 | | 343 | 110 | |
| 11/07/01 | TSF-05B | 1,1-DCE | 50 | ND | 57.36 | 114.73 | | 57.43 | 114.87 | |
| | | TCE | 50 | 9.9 | 58.4 | 116.79 | * | 58.07 | 116.14 | * |
| 02/06/02 | TAN-37A | 1,1-DCE | 50 | ND | 44.6 | 89 | | 44.5 | 89 | |
| | | TCE | 50 | 160 | 190 | 66 | | 186 | 57 | |
| 04/30/02 | TAN-D2 | 1,1-DCE | 50 | ND | 47.5 | 95 | | 46.2 | 92 | |
| | | TCE | 50 | 22 | 67.6 | 90 | | 68 | 91 | |

* Values outside of QC limits

VOC split data for TSF-05A and -05B

| TSF-05A (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO153 | 08/07/01 | 5.0 | U | ND | NA | 3.4 | J | <10 | NA | 660.0 | D | 596.4 | 10 | 120.0 | | 113.5 | 5.57 | 220.0 | D | 90.4 | 84 |
| TPD101 | 11/06/01 | 1.0 | J | ND | NA | 380.0 | | 343.8 | 10 | 872.0 | | 497.5 | 55 | 1056.0 | | 655.1 | 46.9 | 1600.0 | | 243.8 | 147 |
| TPD401 | 02/04/02 | 5.0 | U | ND | NA | 1.2 | J | <10 | NA | 535.8 | | 536.6 | 0 | 31.0 | | 31.1 | 0.39 | 72.0 | | 35.1 | 69 |
| PD5001 | 04/30/02 | 5.0 | U | ND | NA | 1.3 | U | <10 | NA | 890.0 | | 735.7 | 19 | 160.0 | | 214.5 | 29.1 | 190.0 | | 80.9 | 81 |
| PD8001 | 08/05/02 | ND | | ND | NA | 120.0 | | 118.7 | 1 | 500.0 | | 448.6 | 11 | 200.0 | | 263.5 | 27.4 | 140.0 | | 10.6 | 172 |

| TSF-05B (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO154 | 08/07/01 | 5.0 | U | <10 | NA | 49.0 | | 40.9 | 18 | 1100.0 | D | 874.4 | 23 | 120.0 | | 126.9 | 5.59 | 100.0 | | 40.2 | 85 |
| TPD102 | 11/07/01 | 5 | U | ND | NA | 9.9 | | <10 | NA | 835.4 | | 526.0 | 45 | 266.1 | | 225.0 | 16.7 | 370 | | 84.7 | 125 |
| TPD102 | 11/07/01 | | | ND | NA | | | <10 | NA | | | 629.3 | NA | | | 269.2 | NA | | | 90.0 | NA |
| TPD402 | 02/05/02 | 5 | U | ND | NA | 2.9 | J | <10 | NA | 699.6 | | 693.1 | 1 | 28.71 | | 61.5 | 72.7 | 29 | | 25.3 | 14 |
| PD5002 | 05/01/02 | 5 | U | ND | NA | 31 | | 33.0 | 6 | 770 | | 695.6 | 10 | 110 | | 326.4 | 99.2 | 82 | | 43.4 | 62 |
| PD8002 | 08/06/02 | ND | | ND | NA | 29 | | 21.9 | 28 | 390 | | 379.9 | 3 | 67 | | 159.3 | 81.6 | 37 | | 24.0 | 43 |

U = Undetected
J = Estimated Value
D = Diluted Sample

VOC split data for TAN-25 and -31

**TAN-25 (all values recorded in µg/L)**

| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO155 | 08/07/01 | 5.0 | U | ND | NA | 3.5 | J | <10 | NA | 340.0 | D | 362.3 | 6 | 4.6 | | 19.1 | 122 | 5.0 | U | 10.9 | NA |
| TPD103 | 11/06/01 | 9.7 | J | ND | NA | 6.6 | J | <10 | NA | 289.1 | | 291.1 | 1 | 7.6 | | 50.4 | 148 | 18 | J | 11.9 | 41 |
| TPD103 | 11/06/01 | 5 | U | ND | NA | 6.4 | | <10 | NA | 306.8 | | 305.3 | 0 | 7.183 | | 52.6 | 152 | 25 | | 12.2 | 69 |
| TPD403 | 02/05/02 | 5 | U | ND | NA | 2 | J | <10 | NA | 270 | | 354.8 | 27 | 1.579 | | 26.3 | 177 | 2.7 | J | <10 | NA |
| PD5003 | 04/30/02 | 5 | U | ND | NA | 14 | | 10.1 | 32 | 350 | | 346.7 | 1 | 9.9 | | 175.0 | 179 | 12 | | 10.4 | 14 |
| PD8003 | 08/05/02 | 5 | U | ND | NA | 7.7 | | <10 | NA | 210 | | 208.4 | 1 | 4.6 | J | 227.0 | 192 | 5.3 | | 15.4 | 98 |

**TAN-31 (all values recorded in µg/L)**

| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO157 | 08/08/01 | 5.0 | U | ND | NA | 0.5 | J | <10 | NA | 340.0 | D | 378.9 | 11 | 2.6 | | <10 | NA | 5.0 | U | <10 | NA |
| TPD109 | 11/06/01 | 5 | U | ND | NA | 5 | U | <10 | NA | 381.2 | | 358.8 | 6 | 3.498 | | 14.6 | 123 | 9.2 | J | <10 | NA |
| TPD409 | 02/05/02 | 25 | U | ND | NA | 1.6 | J | <10 | NA | 386.8 | | 394.5 | 2 | 2.64 | | <10 | NA | 4.4 | J | <10 | NA |
| TPD409 | 02/05/02 | 5 | U | ND | NA | 1.4 | J | <10 | NA | 356.4 | | 382.8 | 7 | 2.838 | | <10 | NA | 3.8 | J | <10 | NA |
| PD5009 | 04/30/02 | 5 | U | ND | NA | 1 | U | <10 | NA | 380 | | 358.9 | 6 | 5 | U | 16.5 | 107 | 2 | J | ND | NA |
| PD8009 | 08/05/02 | ND | | ND | NA | 2.3 | J | <10 | NA | 270 | | 265.3 | 2 | 1.9 | J | <10 | NA | 2.4 | J | <10 | NA |

U = Undetected
J = Estimated Value
D = Diluted Sample

VOC split data for TAN-26 and -37C

| TAN-26 (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO156 | 08/06/01 | 5.0 | U | ND | NA | 1.1 | J | <10 | NA | 64.0 | | 76.1 | 17 | 2.5 | U | <10 | NA | 5.0 | U | ND | NA |
| TPD104 | 11/06/01 | 5 | U | ND | NA | 5 | U | <10 | NA | 74.15 | | 84.4 | 13 | 0.6581 | | <10 | NA | 5 | U | <10 | NA |
| TPD404 | 02/05/02 | 5 | U | ND | NA | 0.63 | J | <10 | NA | 53.28 | | 55.4 | 4 | 0.6579 | | <10 | NA | 0.98 | J | <10 | NA |
| PD5004 | 04/30/02 | 5 | U | ND | NA | 1 | U | <10 | NA | 62 | | 60.0 | 3 | 5 | U | 13.8 | NA | 5 | U | ND | NA |
| PD8004 | 08/05/02 | ND | U | ND | NA | 0.9 | J | <10 | NA | 56 | | 58.9 | 5 | 0.53 | J | <10 | NA | 1 | J | ND | NA |
| PD8004 | 08/05/02 | ND | U | ND | NA | 0.83 | J | <10 | NA | 55 | | 57.9 | 5 | 0.54 | J | <10 | NA | 1.2 | J | <10 | NA |

| TAN-37C (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO160 | 08/08/01 | 5.0 | U | ND | NA | 5.0 | U | <10 | NA | 92.0 | | 102.2 | 11 | 2.5 | U | ND | NA | 5.0 | U | ND | NA |
| TPD111 | 11/06/01 | 5.0 | U | ND | NA | 5.4 | U | <10 | NA | 104.1 | | 113.4 | 9 | 3.2 | | <10 | NA | 3.9 | J | <10 | NA |
| TPD412 | 02/06/02 | 5.0 | U | ND | NA | 2.7 | J | <10 | NA | 92.9 | | 110.6 | 17 | 2.0 | | <10 | NA | 2.7 | J | <10 | NA |
| PD5012 | 05/01/02 | 5.0 | U | ND | NA | 0.5 | U | <10 | NA | 83.0 | | 98.0 | 17 | 0.4 | J | <10 | NA | 5.0 | U | <10 | NA |
| PD8012 | 08/05/02 | ND | | ND | NA | 4.5 | J | <10 | NA | 81.0 | | 86.7 | 7 | 6.5 | | <10 | NA | 3.9 | J | <10 | NA |

U = Undetected
J = Estimated Value

VOC split data for TAN-37A and -37B

| TAN-37A (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO159 | 08/08/01 | 1.7 | J | <10 | NA | 230.0 | | 255.3 | 10 | 100.0 | | 111.1 | 11 | 43.0 | | 40.0 | 7 | 10.0 | U | <10 | NA |
| TPD11002 | 11/06/01 | 25 | U | <10 | NA | 320 | | 205.1 | 44 | 130.1 | | 76.9 | 51 | 50.88 | | 29.5 | 53 | 25 | U | 11.8 | 72 |
| TPD41001 | 02/06/02 | 1.3 | J | <10 | NA | 160 | J | 199.4 | 22 | 85.49 | | 88.6 | 4 | 32.35 | | 25.4 | 24 | 12 | | 13.6 | 13 |
| TPD41001 | 02/06/02 | | | <10 | NA | | | 193.8 | NA | | | 85.7 | NA | | | 24.6 | NA | | | 13.5 | NA |
| PD501001 | 05/01/02 | 1.3 | J | <10 | NA | 150 | J | 174.2 | 15 | 86 | | 84.3 | 2 | 31 | | 25.4 | 20 | 8.6 | | 11.4 | 28 |
| PD8001 | 08/05/02 | 3.8 | J | ND | NA | 390 | J | 349.4 | NA | 160 | | 167.6 | 5 | 50 | | 37.4 | NA | 4.8 | J | <10 | NA |

| TAN-37B (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| PD501101 | 05/01/02 | 1.1 | J | <10 | NA | 130 | | 210.1 | 47 | 81 | | 91.3 | 12 | 27 | | 25.2 | 7 | 8 | J | 13.3 | 50 |
| PD801101 | 08/05/02 | 3.9 | J | <10 | NA | 380 | | 163.8 | 80 | 170 | | 85.7 | 66 | 50 | | 24.6 | 68 | 5.3 | | 12.1 | 78 |

U = Undetected
J = Estimated Value

VOC split data for TAN-26 and -30A

| TAN-28 (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO161 | 08/06/01 | 8.9 | | <10 | NA | 1200.0 | D | 983.5 | 20 | 220.0 | D | 199.4 | 10 | 220.0 | D | 201.6 | 9 | 5.1 | J | <10 | NA |
| TPD106 | 11/05/01 | 8.1 | | 10.2 | 23 | 860 | | 651.7 | 28 | 174.7 | | 150.2 | 15 | 145.6 | | 119.2 | 20 | 5.8 | J | <10 | NA |
| TPD406 | 02/04/02 | 8.4 | | <10 | NA | 640 | | 649.6 | 1 | 143.4 | | 155.2 | 8 | 117.3 | | 112.1 | 5 | 5.1 | J | <10 | NA |
| PD5006 | 04/29/02 | 11 | | <10 | NA | 900 | J | 713.0 | 23 | 170 | | 152.2 | 11 | 150 | | 123.3 | 20 | 2 | | <10 | NA |
| PD5006 | 04/29/02 | 10 | | <10 | NA | 910 | J | 677.4 | 29 | 160 | | 142.3 | 12 | 140 | | 115.0 | 20 | 4.8 | J | <10 | NA |
| PD8006 | 08/05/02 | 13 | | <10 | NA | 1300 | | 770.5 | 51 | 180 | | 164.5 | 9 | 170 | | 124.9 | 31 | 5 | | <10 | NA |

| TAN-30A (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO162 | 08/06/01 | 4.1 | J | <10 | NA | 89.0 | | 96.0 | 8 | 48.0 | | 51.3 | 7 | 15.0 | | 9.4 | 46 | 5.0 | U | <10 | NA |
| TPD108 | 11/05/01 | 3.9 | J | <10 | NA | 73.0 | | 64.3 | 13 | 43.3 | | 41.8 | 4 | 11.1 | | <10 | NA | 2.8 | J | <10 | NA |
| TPD408 | 02/04/02 | 4.1 | J | <10 | NA | 59.0 | | <10 | NA | 37.8 | | 36.2 | 4 | 9.8 | | <10 | NA | 1.8 | J | <10 | NA |
| PD5008 | 04/29/02 | 4.5 | J | <10 | NA | 73.0 | | 87.9 | 19 | 40.0 | | 40.2 | 0 | 10.0 | | <10 | NA | 2.0 | J | <10 | NA |
| PD8008 | 08/05/02 | 3.7 | J | <10 | NA | 70.0 | | 76.1 | 8 | 40.0 | | 37.6 | 6 | 9.7 | | <10 | NA | 1.4 | J | <10 | NA |

U = Undetected
J = Estimated Value
D = Diluted Sample

VOC split data for TAN-10A and -27

| TAN-10A (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO164 | 08/06/01 | 1.5 | J | <10 | NA | 11.0 | | <10 | NA | 2.5 | U | <10 | NA | 2.5 | U | <10 | NA | 5.0 | U | ND | NA |
| TPD112 | 11/05/01 | 2.3 | J | <10 | NA | 13.0 | | <10 | NA | 5.0 | U | <10 | NA | 5.0 | U | <10 | NA | 5.0 | U | ND | NA |
| TPD413 | 02/06/02 | 2.3 | J | <10 | NA | 7.3 | | <10 | NA | 5.0 | U | <10 | NA | 5.0 | U | <10 | NA | 5.0 | U | ND | NA |
| PD5013 | 04/29/02 | 2.6 | J | <10 | NA | 7.4 | | <10 | NA | 5.0 | U | ND | NA | 5.0 | U | ND | NA | 5.0 | U | ND | NA |
| PD8013 | 08/05/02 | 2.0 | J | <10 | NA | 7.1 | J | <10 | NA | ND | | <10 | NA | ND | | ND | NA | ND | | ND | NA |

| TAN-27 (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO165 | 08/06/01 | 3.9 | J | <10 | NA | 37.0 | | 40.3 | 8.54 | 2.5 | U | <10 | NA | 2.5 | | <10 | NA | 5.0 | U | ND | NA |
| TPD105 | 11/05/01 | 5.7 | | <10 | NA | 45 | | 40.0 | 11.8 | 1.466 | J | <10 | NA | 2.822 | U | <10 | NA | 5 | U | ND | NA |
| TPD105 | 11/05/01 | | | 52.8 | NA | | | 88.3 | NA | | | 50.1 | NA | | | 50.2 | NA | | | 63.4 | NA |
| TPD405 | 02/06/02 | 4.6 | J | <10 | NA | 33 | | 33.2 | 0.60 | 3.671 | | <10 | NA | 4.043 | | <10 | NA | 5 | U | ND | NA |
| PD5005 | 04/29/02 | 5.8 | | <10 | NA | 35 | | 40.5 | 14.6 | 5 | U | <10 | NA | 3.7 | J | <10 | NA | 5 | U | ND | NA |
| PD8005 | 08/05/02 | 4.8 | J | <10 | NA | 35 | | 33.3 | 4.978 | ND | | <10 | NA | 2.1 | J | <10 | NA | ND | | ND | NA |

U = Undetected
J = Estimated Value

VOC split data for TAN-D2 and -29

| TAN-D2 (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO158 | 08/07/01 | 0.6 | J | <10 | NA | 23.0 | | 18.4 | 22 | 66.0 | | 66.7 | 1 | 3.1 | | <10 | NA | 5.0 | U | <10 | NA |
| TPD11302 | 11/05/01 | 0.91 | J | ND | NA | 20 | | 16.9 | 17 | 39.57 | | 34.4 | 14 | 1.893 | | <10 | NA | 1.7 | J | <10 | NA |
| TPD41401 | 02/05/02 | 5 | U | ND | NA | 18 | | 14.8 | 20 | 51.57 | | 49.7 | 4 | 1.879 | | <10 | NA | 1.3 | J | <10 | NA |
| PD501401 | 04/30/02 | 5 | U | <10 | NA | 22 | | 21.2 | 4 | 71 | | 69.9 | 2 | 4.6 | J | <10 | NA | 1.4 | J | <10 | NA |
| PD501401 | 04/30/02 | | | <10 | NA | | | 19.7 | NA | | | 66.2 | NA | | | <10 | NA | | | <10 | NA |
| PD8014 | 08/05/02 | ND | | <10 | NA | 38 | | 35.6 | 7 | 110 | | 107.8 | 2 | 3.2 | J | <10 | NA | 1.6 | J | <10 | NA |

| TAN-29 (all values recorded in µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | PCE (offsite) | Flag | PCE (IRC) | RPD | TCE (offsite) | Flag | TCE (IRC) | RPD | t-DCE (offsite) | Flag | t-DCE (IRC) | RPD | c-DCE (offsite) | Flag | c-DCE (IRC) | RPD | VC (offsite) | Flag | VC (IRC) | RPD |
| 1PO163 | 08/06/01 | 6.1 | | <10 | NA | 400.0 | D | 466.4 | 15 | 38.0 | | 38.4 | 1 | 75.0 | | 82.8 | 10 | 3.0 | J | <10 | NA |
| TPD107 | 11/05/01 | 7.9 | | <10 | NA | 570.0 | | 467.4 | 20 | 75.2 | | 73.6 | 2 | 96.5 | | 92.8 | 4 | 7.4 | J | <10 | NA |
| TPD407 | 02/04/02 | 8.5 | | <10 | NA | 540.0 | | 497.8 | 8 | 75.9 | | 73.4 | 3 | 104.3 | | 99.0 | 5 | 7.6 | | <10 | NA |
| PD5007 | 04/29/02 | 12.0 | | <10 | NA | 760.0 | J | 617.7 | 21 | 75.0 | | 69.8 | 7 | 130.0 | | 116.5 | 11 | 6.9 | | <10 | NA |
| PD8007 | 08/05/02 | 18.0 | | 11.6 | 43 | 850.0 | | 539.8 | 45 | 24.0 | | 15.7 | 42 | 98.0 | | 82.4 | 17 | ND | | ND | NA |

U = Undetected
J = Estimated Value
D = Diluted Sample

PCE PE data

| PCE PE Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Certified PCE (µg/L) | Observed PCE (µg/L) | Accepted performance limits (µg/L) | RPD | Accuracy within tolerance | Precision within tolerance |
| 0220-02-03.1 (01) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.1 (02) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| TPD41701 | 02/01/02 | 11.1 | 7.7 | 7.09 - 13.2 | NA | Yes | NA |
| 0220-02-03.2 (01) | 02/01/02 | 201 | 175 | 129 - 239 | 6.2 | Yes | Yes |
| 0220-02-03.2 (02) | 02/01/02 | 201 | 164 | 129 - 239 | 6.2 | Yes | Yes |
| 0319-02-01.1 (01) | 03/02/02 | 11.1 | <10 (ND) | 7.12 - 13.2 | NA | No | NA |
| 0319-02-01.1 (02) | 03/02/02 | 11.1 | <10 (ND) | 7.12 - 13.2 | NA | No | NA |
| 0319-02-01.2 (01) | 03/02/02 | 241 | 203.5 | 154 - 287 | 4.47 | Yes | Yes |
| 0319-02-01.2 (02) | 03/02/02 | 241 | 212.8 | 154 - 287 | 4.47 | Yes | Yes |
| 0426-02-06.1 (01) | 04/01/02 | 13.3 | <10 (9.7) | 8.51 - 15.8 | NA | Yes | NA |
| 0426-02-06.1 (02) | 04/01/02 | 13.3 | <10 (9.8) | 8.51 - 15.8 | NA | Yes | NA |
| 0426-02-06.2 (01) | 04/01/02 | 322 | 216.8 | 206 - 383 | 6.34 | Yes | Yes |
| 0426-02-06.2 (02) | 04/01/02 | 322 | 231 | 206 - 383 | 6.34 | Yes | Yes |
| 0513-02-09.1 (01) | 06/01/02 | 17.7 | <10 | 11.3 - 21.1 | NA | No | NA |
| 0513-02-09.1 (02) | 06/01/02 | 17.7 | <10 | 11.3 - 21.1 | NA | No | NA |
| 0513-02-09.2 (01) | 06/01/02 | 322 | 266 | 206 - 383 | 0.08 | Yes | Yes |
| 0513-02-09.2 (02) | 06/01/02 | 322 | 266.2 | 206 - 383 | 0.08 | Yes | Yes |
| 0513-02-11.1 (01) | 07/01/02 | 22.1 | 11.1 | 14.2 - 26.3 | NA | No | NA |
| 0513-02-11.2 (01) | 07/01/02 | 402 | 275.5 | 258 - 478 | 1.23 | Yes | Yes |
| 0513-02-11.2 (02) | 07/01/02 | 402 | 278.9 | 258 - 478 | 1.23 | Yes | Yes |
| 0513-02-12.1 (01) | 08/01/02 | 26.5 | 24.5 | 17.0 - 31.5 | 1.65 | Yes | Yes |
| 0513-02-12.1 (02) | 08/01/02 | 26.5 | 24.1 | 17.0 - 31.5 | 1.65 | Yes | Yes |
| 0513-02-12.2 (01) | 08/01/02 | 483 | 306.1 | 310 - 575 | 14.4 | Yes | Yes |
| 0513-02-12.2 (02) | 08/01/02 | 483 | 264.9 | 310 - 575 | 14.4 | No | Yes |
| 0513-02-13.1 (01) | 09/01/02 | 13.3 | 16 | 8.51 - 15.8 | NA | No | NA |
| 0513-02-13.2 (01) | 09/01/02 | 241 | 282.8 | 155 - 287 | 0.74 | Yes | Yes |
| 0513-02-13.2 (02) | 09/01/02 | 241 | 284.9 | 155 - 287 | 0.74 | Yes | Yes |

Data sheet says that samples were within tolerance

TCE PE data

| TCE PE Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Certified TCE (μg/L) | Observed TCE (μg/L) | Accepted performance limits (μg/L) | RPD | Accuracy within tolerance | Precision within tolerance |
| 0220-02-03.1 (01) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | N |
| 0220-02-03.1 (02) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | N |
| TPD41701 | 02/01/02 | 16.8 | 13 | 11.9 - 20.5 | NA | Yes | N |
| 0220-02-03.2 (01) | 02/01/02 | 129 | 124 | 91.0 - 157 | 1.3 | Yes | Ye |
| 0220-02-03.2 (02) | 02/01/02 | 129 | 123 | 91.0 - 157 | 1.3 | Yes | Ye |
| 0319-02-01.1 (01) | 03/02/02 | 16.8 | 12.7 | 11.9 - 20.5 | 0.16 | Yes | Ye |
| 0319-02-01.1 (02) | 03/02/02 | 16.8 | 12.5 | 11.9 - 20.5 | 0.16 | Yes | Ye |
| 0319-02-01.2 (01) | 03/02/02 | 154 | 128.6 | 109 - 188 | 3.66 | Yes | Ye |
| 0319-02-01.2 (02) | 03/02/02 | 154 | 133.4 | 109 - 188 | 3.66 | Yes | Ye |
| 0426-02-06.1 (01) | 04/01/02 | 20.2 | 21.2 | 14.3 - 24.6 | 1.87 | Yes | Ye |
| 0426-02-06.1 (02) | 04/01/02 | 20.2 | 21.6 | 14.3 - 24.6 | 1.87 | Yes | Ye |
| 0426-02-06.2 (01) | 04/01/02 | 206 | 151.5 | 146 - 251 | 5.27 | Yes | Ye |
| 0426-02-06.2 (02) | 04/01/02 | 206 | 159.7 | 146 - 251 | 5.27 | Yes | Ye |
| 0513-02-09.1 (01) | 06/01/02 | 26.9 | 18.8 | 19.0 - 32.8 | 2.62 | No | Ye |
| 0513-02-09.1 (02) | 06/01/02 | 26.9 | 19.3 | 19.0 - 32.8 | 2.62 | Yes | Ye |
| 0513-02-09.2 (01) | 06/01/02 | 206 | 186.7 | 146 - 251 | 0.05 | Yes | Ye |
| 0513-02-09.2 (02) | 06/01/02 | 206 | 186.8 | 146 - 251 | 0.05 | Yes | Ye |
| 0513-02-11.1 (02) | 07/01/02 | 33.7 | 25.9 | 23.8 - 41.1 | NA | Yes | N |
| 0513-02-11.2 (01) | 07/01/02 | 257 | 198.9 | 182 - 314 | 0.9 | Yes | Ye |
| 0513-02-11.2 (02) | 07/01/02 | 257 | 200.7 | 182 - 314 | 0.9 | Yes | Ye |
| 0513-02-12.1 (01) | 08/01/02 | 40.4 | 36.8 | 28.6 - 49.3 | 5.01 | Yes | Ye |
| 0513-02-12.1 (02) | 08/01/02 | 40.4 | 35 | 28.6 - 49.3 | 5.01 | Yes | Ye |
| 0513-02-12.2 (01) | 08/01/02 | 309 | 220.7 | 218 - 377 | 6.99 | Yes | Ye! |
| 0513-02-12.2 (02) | 08/01/02 | 309 | 205.8 | 218 - 377 | 6.99 | No | Ye |
| 0513-02-13.1 (01) | 09/01/02 | 20.2 | 16.2 | 14.3 - 24.6 | NA | Yes | N |
| 0513-02-13.2 (01) | 09/01/02 | 154 | 204.9 | 109 - 188 | 0.44 | No | Ye |
| 0513-02-13.2 (02) | 09/01/02 | 154 | 205.8 | 109 - 188 | 0.44 | No | Ye |

Data sheet says that samples were within tolerance

cis-DCE **PE** data

| cis-DCE PE Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Certified cis-DCE (µg/L)** | **Observed cis-DCE (µg/L)** | **Accepted performance limits (µg/L)** | **RPD** | **Accuracy within tolerance** | **Precision within tolerance** |
| 0220-02-03.1 (01) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.1 (02) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.2 (01) | 02/01/02 | 231 | 255 | 147-278 | 0.39 | Yes | Yes |
| 0220-02-03.2 (02) | 02/01/02 | 231 | 256 | 147-278 | 0.39 | Yes | Yes |
| 0319-02-01.1 (01) | 03/02/02 | 15.2 | 11.1 | 9.68 - 18.2 | 2.67 | Yes | Yes |
| 0319-02-01.1 (02) | 03/02/02 | 15.2 | 11.4 | 9.68 - 18.2 | 2.67 | Yes | Yes |
| 0319-02-01.2 (01) | 03/02/02 | 278 | 312.2 | 177 - 334 | 0.02 | Yes | Yes |
| 0319-02-01.2 (02) | 03/02/02 | 278 | 312.9 | 177 - 334 | 0.02 | Yes | Yes |
| 0426-02-06.1 (01) | 04/01/02 | 18.3 | 21.6 | 11.6 - 21.9 | 0.46 | Yes | Yes |
| 0426-02-06.1 (02) | 04/01/02 | 18.3 | 21.5 | 11.6 - 21.9 | 0.46 | Yes | Yes |
| 0426-02-06.2 (01) | 04/01/02 | 370 | 320.2 | 236 - 444 | 1.54 | Yes | Yes |
| 0426-02-06.2 (02) | 04/01/02 | 370 | 330.2 | 236 - 444 | 1.54 | Yes | Yes |
| 0513-02-09.1 (01) | 06/01/02 | 24.4 | 18.4 | 15.4 - 29.3 | 1.09 | Yes | Yes |
| 0513-02-09.1 (02) | 06/01/02 | 24.4 | 18.2 | 15.4 - 29.3 | 1.09 | Yes | Yes |
| 0513-02-09.2 (01) | 06/01/02 | 370 | 394.4 | 236 - 444 | 2.72 | Yes | Yes |
| 0513-02-09.2 (02) | 06/01/02 | 370 | 383.8 | 236 - 444 | 2.72 | Yes | Yes |
| 0513-02-11.1 (01) | 07/01/02 | 30.5 | 26.9 | 19.4 - 36.6 | NA | Yes | NA |
| 0513-02-11.2 (01) | 07/01/02 | 463 | 429.1 | 295 - 556 | 1.33 | Yes | Yes |
| 0513-02-11.2 (02) | 07/01/02 | 463 | 423.4 | 295 - 556 | 1.33 | Yes | Yes |
| 0513-02-12.1 (01) | 08/01/02 | 36.6 | 36.9 | 23.3 - 43.9 | 0.11 | Yes | Yes |
| 0513-02-12.1 (02) | 08/01/02 | 36.6 | 36.5 | 23.3 - 43.9 | 0.11 | Yes | Yes |
| 0513-02-12.2 (01) | 08/01/02 | 555 | 455.5 | 354 - 666 | 1.39 | Yes | Yes |
| 0513-02-12.2 (02) | 08/01/02 | 555 | 449.2 | 354 - 666 | 1.39 | Yes | Yes |
| 0513-02-13.1 (01) | 09/01/02 | 18.3 | 18.7 | 11.6 - 21.9 | NA | Yes | NA |
| 0513-02-13.2 (01) | 09/01/02 | 278 | 410.9 | 177 - 333 | 0.51 | No | Yes |
| 0513-02-13.2 (02) | 09/01/02 | 278 | 413 | 177 - 333 | 0.51 | No | Yes |

trans-DCE PE data

| trans-DCE PE Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Certified cis-DCE (µg/L) | Observed cis-DCE (µg/L) | Accepted performance limits (µg/L) | RPD | Accuracy within tolerance | Precision within tolerance |
| 0220-02-03.1 (01) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.1 (02) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.2 (01) | 02/01/02 | 231 | 255 | 147-278 | 0.39 | Yes | Yes |
| 0220-02-03.2 (02) | 02/01/02 | 231 | 256 | 147-278 | 0.39 | Yes | Yes |
| 0319-02-01.1 (01) | 03/02/02 | 15.2 | 11.1 | 9.68 - 18.2 | 2.67 | Yes | Yes |
| 0319-02-01.1 (02) | 03/02/02 | 15.2 | 11.4 | 9.68 - 18.2 | 2.67 | Yes | Yes |
| 0319-02-01.2 (01) | 03/02/02 | 278 | 312.2 | 177 - 334 | 0.02 | Yes | Yes |
| 0319-02-01.2 (02) | 03/02/02 | 278 | 312.9 | 177 - 334 | 0.02 | Yes | Yes |
| 0426-02-06.1 (01) | 04/01/02 | 18.3 | 21.6 | 11.6 - 21.9 | 0.46 | Yes | Yes |
| 0426-02-06.1 (02) | 04/01/02 | 18.3 | 21.5 | 11.6 - 21.9 | 0.46 | Yes | Yes |
| 0426-02-06.2 (01) | 04/01/02 | 370 | 320.2 | 236 - 444 | 1.54 | Yes | Yes |
| 0426-02-06.2 (02) | 04/01/02 | 370 | 330.2 | 236 - 444 | 1.54 | Yes | Yes |
| 0513-02-09.1 (01) | 06/01/02 | 24.4 | 18.4 | 15.4 - 29.3 | 1.09 | Yes | Yes |
| 0513-02-09.1 (02) | 06/01/02 | 24.4 | 18.2 | 15.4 - 29.3 | 1.09 | Yes | Yes |
| 0513-02-09.2 (01) | 06/01/02 | 370 | 394.4 | 236 - 444 | 2.72 | Yes | Yes |
| 0513-02-09.2 (02) | 06/01/02 | 370 | 383.8 | 236 - 444 | 2.72 | Yes | Yes |
| 0513-02-11.1 (01) | 07/01/02 | 30.5 | 26.9 | 19.4 - 36.6 | NA | Yes | NA |
| 0513-02-11.2 (01) | 07/01/02 | 463 | 429.1 | 295 - 556 | 1.33 | Yes | Yes |
| 0513-02-11.2 (02) | 07/01/02 | 463 | 423.4 | 295 - 556 | 1.33 | Yes | Yes |
| 0513-02-12.1 (01) | 08/01/02 | 36.6 | 36.9 | 23.3 - 43.9 | 0.11 | Yes | Yes |
| 0513-02-12.1 (02) | 08/01/02 | 36.6 | 36.5 | 23.3 - 43.9 | 0.11 | Yes | Yes |
| 0513-02-12.2 (01) | 08/01/02 | 555 | 455.5 | 354 - 666 | 1.39 | Yes | Yes |
| 0513-02-12.2 (02) | 08/01/02 | 555 | 449.2 | 354 - 666 | 1.39 | Yes | Yes |
| 0513-02-13.1 (01) | 09/01/02 | 18.3 | 18.7 | 11.6 - 21.9 | NA | Yes | NA |
| 0513-02-13.2 (01) | 09/01/02 | 278 | 410.9 | 177 - 333 | 0.51 | No | Yes |
| 0513-02-13.2 (02) | 09/01/02 | 278 | 413 | 177 - 333 | 0.51 | No | Yes |

VC PE data

| VC PE Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Certified VC (µg/L) | Observed VC (µg/L) | Accepted performance limits (µg/L) | RPD | Accuracy within tolerance | Precision within tolerance |
| 0220-02-03.1 (01) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| 0220-02-03.1 (02) | 02/01/02 | ND | <10 (ND) | NA | NA | Yes | NA |
| TPD41701 | 02/01/02 | 24 | 34 | 12.3 - 36.2 | NA | Yes | NA |
| 0220-02-03.2 (01) | 02/01/02 | 100 | 96.6 | 51.3 - 151 | 1.88 | Yes | Yes |
| 0220-02-03.2 (02) | 02/01/02 | 100 | 94.8 | 51.3 - 151 | 1.88 | Yes | Yes |
| 0319-02-01.1 (01) | 03/02/02 | 24 | 53.1 | 12.3 - 36.2 | 0.08 | Yes | Yes |
| 0319-02-01.1 (02) | 03/02/02 | 24 | 52.9 | 12.3 - 36.2 | 0.08 | Yes | Yes |
| 0319-02-01.2 (01) | 03/02/02 | 120 | 178.5 | 61.6 - 181 | 5.21 | Yes | Yes |
| 0319-02-01.2 (02) | 03/02/02 | 120 | 187.8 | 61.6 - 181 | 5.21 | Yes | Yes |
| 0426-02-06.1 (01) | 04/01/02 | 28.8 | 63.7 | 14.8 -43.5 | 0.16 | No | Yes |
| 0426-02-06.1 (02) | 04/01/02 | 28.8 | 63.8 | 14.8 -43.5 | 0.16 | No | Yes |
| 0426-02-06.2 (01) | 04/01/02 | 160 | 171.4 | 82.1 - 242 | 10.3 | Yes | Yes |
| 0426-02-06.2 (02) | 04/01/02 | 160 | 190.1 | 82.1 - 242 | 10.3 | Yes | Yes |
| 0513-02-09.1 (01) | 06/01/02 | 38.4 | 67 | 19.7 - 58 | 0.45 | No | Yes |
| 0513-02-09.1 (02) | 06/01/02 | 38.4 | 66.7 | 19.7 - 58 | 0.45 | No | Yes |
| 0513-02-09.2 (01) | 06/01/02 | 160 | 201.2 | 82.1 - 242 | 3.37 | Yes | Yes |
| 0513-02-09 2 (02) | 06/01/02 | 160 | 208 1 | 82.1 - 242 | 3 37 | Yes | Yes |
| 0513-02-11 1 (01) | 07/01/02 | 48 | 75.3 | 24.6 - 72.5 | NA | Yes | NA |
| 0513-02-11 2 (01) | 07/01/02 | 200 | 173 8 | 130 - 302 | 3.56 | Yes | Yes |
| 0513-02-11 2 (02) | 07/01/02 | 200 | 180 1 | 130 - 302 | 3 56 | Yes | Yes |
| 0513-02-12 1 (01) | 08/01/02 | 57 6 | 100 5 | 29.5 - 87 | 3 54 | No | Yes |
| 0513-02-12 1 (02) | 08/01/02 | 57 6 | 97 | 29 5 - 87 | 3 54 | No | Yes |
| 0513-02-12 2 (01) | 08/01/02 | 240 | 197 1 | 123 - 362 | 1 07 | Yes | Yes |
| 0513-02-12 2 (02) | 08/01/02 | 240 | 195 | 123 - 362 | 1 07 | Yes | Yes |
| 0513-02-13 1 (01) | 09/01/02 | 28 8 | 44.8 | 148-43.5 | NA | No | NA |
| 0513-02-13 2 (01) | 09/01/02 | 120 | 203 9 | 61 6 - 181 | 2 47 | No | Yes |
| 0513-02-13 2 (02) | 09/01/02 | 120 | 209 | 61 6 - 181 | 2 47 | No | Yes |

Data sheet says that samples were within tolerance

Ethene/Ethane/Methane data for TSF-05A and -05B

| TSF-05A | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO15301EG | 08/07/01 | 1340 | 1237.6 | 4.6 | 11977.8 |
| 1PO16801EG | 09/11/01 | 1055 | 2161.7 | 3.4 | 10077.6 |
| TPD00101E3 | 10/08/01 | 1426 | 1057.5 | ND | 13785.4 |
| TPD00101E3 | 10/08/01 | 1426 | 1110.2 | ND | 13999.2 |
| TPD10101EG | 11/06/01 | 1025 | 2051.4 | ND | 17185.0 |
| TPD20101EG | 12/03/01 | 1020 | 719.5 | ND | 10928.5 |
| TPD30101EG | 01/07/02 | 1449 | 985.2 | ND | 8708.2 |
| TPD40101EG | 02/04/02 | 1513 | 474.7 | ND | 9949.5 |
| TPD50101EG | 03/04/02 | 1407 | 729.1 | ND | 15394 |
| TPD60101EG | 04/01/02 | 1328 | 559.2 | ND | 4498.4 |
| PD500101EG | 04/30/02 | 1104 | 889.8 | ND | 12300.1 |
| PD600101E3 | 06/03/02 | 1345 | 324.6 | ND | 9647.4 |
| PD600101E3 | 06/03/02 | 1345 | 268.2 | ND | 7161.5 |
| PD700101EG | 07/08/02 | 1244 | 301.3 | ND | 3792.7 |
| PD800101E3 | 08/05/02 | 0849 | 159.3 | ND | 8570.6 |
| PD800101E3 | 08/05/02 | 0849 | 219.3 | ND | 6569.5 |
| PD900101E3 | 09/09/02 | 1007 | 321.1 | ND | 8859.0 |
| PD900101E3 | 09/09/02 | 1007 | 430.7 | ND | 13629.1 |
| PD100001E3 | 10/07/02 | 1249 | 239.3 | ND | 7531.0 |
| PD100001E3 | 10/07/02 | 1249 | 342.5 | ND | 10036.2 |

| TSF-05B | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO15401EG | 08/07/01 | 1245 | 1110.9 | 8.2 | 7523.8 |
| 1PO16901EG | 09/12/01 | 0825 | 887.1 | 4.5 | 5786.1 |
| TPD00201EG | 10/10/01 | 1114 | 788.2 | ND | 9633.2 |
| TPD10201EG | 11/07/01 | 0900 | 1151.2 | ND | 11246.4 |
| TPD20201E3 | 12/04/01 | 1000 | 1010.9 | ND | 17812.2 |
| TPD20201E3 | 12/04/01 | 1000 | 603.8 | ND | 11439.2 |
| TPD30201EG | 01/08/02 | 1456 | 579.6 | ND | 711.1 |
| TPD40201EG | 02/05/02 | 0954 | 576.3 | ND | 15754.0 |
| TPD60201EG | 04/02/02 | 1049 | 575.4 | ND | 10438.2 |
| PD500201EG | 05/01/02 | 1330 | 657.1 | ND | 14227.1 |
| PD600201EG | 06/04/02 | 0835 | 182.6 | ND | 6191.1 |
| PD700201EG | 07/09/02 | 1042 | 305.6 | ND | 7756.8 |
| PD700202EG | 07/09/02 | 1042 | 302.7 | ND | 8125.6 |
| PD800202EG | 08/06/02 | 0857 | 259.7 | trace | 6717.0 |
| PD900201EG | 09/09/02 | 1519 | 345.7 | ND | 14985.6 |
| PD100101EG | 10/08/02 | 1105 | 216.6 | ND | 11678.4 |

Ethene/Ethane/Methane data for **TAN-25** and -31

| TAN-25 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO15501EG | 08/07/01 | 1037 | 19.0 | ND | 3830.4 |
| 1PO17001EG | 09/11/01 | 1222 | 49.5 | ND | 7254.8 |
| TPD00301EG | 10/10/01 | 0942 | 17.1 | ND | 4761.5 |
| TPD10301EG | 11/06/01 | 1225 | 30.6 | ND | 4546.5 |
| TPD10303EG | 11/06/01 | 1225 | 38.5 | ND | 7106.8 |
| TPD20301EG | 12/04/01 | 1050 | 41.6 | ND | 11364.1 |
| TPD30301EG | 01/08/02 | 1428 | 42.6 | ND | 3288.8 |
| TPD40301EG | 02/05/02 | 1211 | 28.1 | trace | 9171.0 |
| TPD50301EG | 03/05/02 | 1250 | 94.5 | ND | 12673.1 |
| TPD60301E3 | 04/02/02 | 1025 | 45.9 | ND | 4238.4 |
| TPD60301E3 | 04/02/02 | 1025 | 46.1 | ND | 4500.0 |
| PD500301EG | 04/30/02 | 1030 | 27.8 | ND | 7084.5 |
| PD600301EG | 06/04/02 | 0930 | 19.0 | ND | 9291.5 |
| PD700301EG | 07/09/02 | 1015 | 18.9 | 3.0 | 5433.0 |
| PD800302EG | 08/05/02 | 1438 | 12.1 | trace | 3226.8 |
| PD900301EG | 09/09/02 | 1145 | 26.9 | ND | 11614.8 |
| PD100201EG | 10/08/02 | 0937 | 25.7 | ND | 8681.3 |

| TAN-31 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | tthene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO15701E3 | 08/08/01 | 0912 | 19.0 | ND | 16433.0 |
| 1PO15701E3 | 08/08/01 | 0912 | 20.0 | ND | 17181.8 |
| 1PO17201E3 | 09/11/01 | 1300 | 25.6 | ND | 13082.5 |
| 1PO17201E3 | 09/11/01 | 1300 | 36.5 | ND | 9437.7 |
| TPD00901EG | 10/10/01 | 1243 | 51.5 | ND | 17427.0 |
| TPD10901EG | 11/06/01 | 1340 | 29.6 | ND | 14687.0 |
| TPD20901EG | 12/03/01 | 1508 | 56.5 | ND | 22279.9 |
| TPD30901EG | 01/08/02 | 1211 | 17.9 | ND | 5447.0 |
| TPD40901EG | 02/05/02 | 1339 | 59.7 | ND | 18323.9 |
| TPD40903EG | 02/05/02 | 1339 | 30.8 | ND | 15077.7 |
| TPD50901EG | 03/05/02 | 1341 | 73.6 | ND | 18339.8 |
| TPD60901EG | 04/02/02 | 1310 | 20.9 | ND | 8266.2 |
| PD500901EG | 04/30/02 | 1324 | 7.5 | ND | 9813.3 |
| PD600901EG | 06/04/02 | 1254 | 31.2 | ND | 12764.7 |
| PD700901EG | 07/09/02 | 1320 | 8.3 | 2.6 | 9170.5 |
| PD800902EG | 08/05/02 | 1343 | 5.2 | ND | 4152.9 |
| PD900901EG | 09/09/02 | 1236 | ND | ND | 29714.3 |
| PD100801EG | 10/08/02 | 1238 | 8.5 | ND | 10131.7 |

Ethene/Ethane/Methane data for TAN-26 and-37C

| TAN-26 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO15601EG | 08/06/01 | 1623 | 46.4 | 10.8 | 16337.8 |
| 1PO15603EG | 08/06/01 | 1623 | 66.1 | 13.7 | 21491.2 |
| 1PO17101EG | 09/11/01 | 0951 | 51.7 | 13.4 | 17331.2 |
| TPD00401EG | 10/08/01 | 1546 | 50.5 | 26.5 | 15153.1 |
| TPD10401EG | 11/06/01 | 0908 | 18.9 | 20.9 | 17934.8 |
| TPD20401VA | 12/04/01 | 1404 | 91.5 | ND | 20569.5 |
| TPD30401EG | 01/08/02 | 1334 | 37.7 | trace | 11625.5 |
| TPD40401EG | 02/05/02 | 1122 | 62.5 | ND | 15054.1 |
| TPD50401EG | 03/05/02 | 1202 | 16.7 | ND | 15928.0 |
| TPD60401EG | 04/02/02 | 0948 | 83.2 | ND | 11260.6 |
| PD500401EG | 04/30/02 | 0939 | 2.9 | ND | 7726.4 |
| PD600401EG | 06/04/02 | 1033 | ND | ND | 7404.4 |
| PD700401EG | 07/09/02 | 0930 | 3.9 | 7.7 | 10268.5 |
| PD800402EG | 08/05/02 | 0846 | 31.8 | trace | 18081.1 |
| PD800404EG | 08/05/02 | 0846 | 32.8 | trace | 18601.2 |
| PD900401EG | 09/09/02 | 1433 | ND | ND | 11570.2 |
| PD100301EG | 10/08/02 | 1040 | 21.0 | ND | 23038.4 |

| TAN-37C | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | tthane (µg/L) | Methane (µg/L) |
| TPD01101EG | 10/10/01 | 0930 | 29.7 | ND | 14139.9 |
| TPD11101EG | 11/06/01 | 1454 | 18.4 | ND | 17179.5 |
| TPD21201EG | 12/03/01 | 1351 | 19.9 | ND | 19185.8 |
| TPD31201EG | 01/09/02 | 1539 | 12.9 | ND | 10166.5 |
| TPD41201EG | 02/06/02 | 1352 | 19.6 | trace | 17221.2 |
| TPD51101EG | 03/05/02 | 1456 | 13.4 | ND | 12679.6 |
| TPD61201EG | 04/03/02 | 0930 | 11.6 | ND | 16553.8 |
| 37A00201EG | 04/17/02 | 1022 | 13.3 | ND | 11632.6 |
| 37A00202EG | 04/17/02 | 1022 | 11.7 | ND | 9410.5 |
| PD501201EG | 05/01/02 | 1000 | 9.6 | ND | 14629.9 |
| PD601201EG | 06/04/02 | 1441 | 5.3 | ND | 14389.8 |
| PD701201EG | 07/10/02 | 1006 | 5.6 | 15.3 | 14421.0 |
| PD801202EG | 08/05/02 | 1204 | 10.8 | trace | 14952.1 |
| PD901201EG | 09/09/02 | 1430 | ND | ND | 27172.2 |
| PD101101EG | 10/08/02 | 1431 | 28.0 | ND | 23899.0 |

Ethene/Ethane/Methane data for **TAN-37A** and **-378**

| TAN-37A | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | tthene (µg/L) | Mhane (µg/L) | Methane (µg/L) |
| 1PO15901EG | 08/08/01 | 1140 | 1.7 | ND | 13848.8 |
| 1PO17401EG | 09/11/01 | 1340 | 2.4 | ND | 15701.6 |
| TPD01001EG | 10/10/01 | 0950 | 51.5 | ND | 15262.1 |
| TPD11001EG | 11/06/01 | 1514 | 5.8 | ND | 16962.6 |
| TPD21001EG | 12/03/01 | 1128 | 9.9 | ND | 15847.8 |
| TPD31001EG | 01/07/02 | 1218 | 7.4 | ND | 10759.1 |
| TPD41001EG | 02/06/02 | 1426 | 18.4 | trace | 9450.7 |
| TPD51001EG | 03/05/02 | 1516 | 13.5 | ND | 9857.5 |
| TPD61001EG | 04/03/02 | 1007 | 3.9 | ND | 11921.2 |
| 37A00001EG | 04/17/02 | 1042 | 13.4 | ND | 11386.5 |
| PD501001E3 | 05/01/02 | 1100 | 17.1 | ND | 9414.9 |
| PD501001E3 | 05/01/02 | 1100 | 15.9 | ND | 9308.0 |
| PD601001EG | 06/04/02 | 1330 | 4.4 | ND | 13688.9 |
| PD701001EG | 07/10/02 | 1044 | 4.5 | ND | 12762.0 |
| PD801002EG | 08/05/02 | 1047 | 6.1 | ND | 12670.7 |
| PD901001EG | 09/09/02 | 1303 | 17.8 | ND | 16853.0 |
| PD100901EG | 10/08/02 | 1333 | 7.1 | ND | 17496.4 |

| TAN-37B | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Mhane (µg/L) | Methane (µg/L) |
| 1PO16001EG | 08/08/01 | 1102 | 27.1 | 4.5 | 16120.4 |
| 1PO17501EG | 09/11/01 | 1421 | 38.4 | 5.3 | 16071.7 |
| 37B10101E3 | 11/19/01 | 1032 | 13.2 | ND | 722.3 |
| 37B10101E3 | 11/19/01 | 1032 | 15.9 | ND | 675.1 |
| 37B10102E3 | 11/19/01 | 1032 | 9.8 | ND | 719.0 |
| 37B10102E3 | 11/19/01 | 1032 | 13.1 | ND | 916.2 |
| TPD21101EG | 12/10/01 | 1059 | 20.9 | ND | 15564.8 |
| TPD31101EG | 01/07/02 | 1408 | 11.1 | ND | 10626.9 |
| TPD41101EG | 02/06/02 | 1510 | 15.5 | trace | 11086.8 |
| TPD51601EG | 03/06/02 | 0927 | 12.5 | ND | 10272.3 |
| TPD61101EG | 04/03/02 | 0950 | 5.1 | ND | 10324.1 |
| 37A00101E3 | 04/17/02 | 1101 | 11.9 | ND | 9064.6 |
| 37A00101E3 | 04/17/02 | 1101 | 12.4 | ND | 9689.3 |
| PD501101EG | 05/01/02 | 1025 | 16.6 | ND | 10132.3 |
| PD601101EG | 06/04/02 | 1345 | 4.4 | ND | 13632.3 |
| PD701101EG | 07/10/02 | 1027 | 3.6 | ND | 11990.7 |
| PD8011012EG | 08/05/02 | 1107 | 5.2 | trace | 13836.1 |
| PD901101EG | 09/09/02 | 1330 | ND | ND | 19374.0 |
| PD101001EG | 10/08/02 | 1315 | 12.4 | ND | 22293.5 |

Ethene/Ethane/Methane data for TAN-28 and -30A

| TAN-28 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO16101EG | 08/06/01 | 1116 | ND | ND | 2692.6 |
| 1PO17601EG | 09/10/01 | 1103 | ND | ND | 2505.8 |
| TPD00601EG | 10/08/01 | 1030 | ND | ND | 4289.1 |
| TPD10601E3 | 11/05/01 | 1029 | ND | ND | 5782.0 |
| TPD10601E3 | 11/05/01 | 1029 | ND | ND | 5054.3 |
| TPD20601EG | 12/05/01 | 0929 | ND | ND | 4163.7 |
| TPD30601EG | 01/09/02 | 0943 | ND | ND | 3867.8 |
| TPD40601EG | 02/04/02 | 1113 | ND | trace | 4445.3 |
| TPD50601EG | 03/04/02 | 1533 | ND | ND | 4140.0 |
| TPD60601EG | 04/01/02 | 1408 | ND | ND | 2906.1 |
| PD500601EG | 04/29/02 | 1352 | ND | ND | 4500.3 |
| PD500603EG | 04/29/02 | 1352 | ND | ND | 5538.3 |
| PD600601EG | 06/03/02 | 1442 | ND | ND | 3345.1 |
| PD700601EG | 07/08/02 | 1329 | ND | ND | 4134.5 |
| PD800602EG | 08/05/02 | 1111 | ND | ND | 4737.1 |
| PD900601EG | 09/09/02 | 1211 | ND | ND | 11339.6 |
| PD100501EG | 10/07/02 | 1041 | ND | ND | 4328.7 |

| TAN-30A | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | tthene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO16201EG | 08/06/01 | 1024 | ND | ND | 8514.2 |
| 1PO17701EG | 09/10/01 | 1021 | ND | ND | 10689.0 |
| TPD00801EG | 10/08/01 | 0959 | 13.5 | ND | 11572.7 |
| TPD10801EG | 11/05/01 | 0941 | ND | ND | 11319.7 |
| TPD20801EG | 12/05/01 | 0905 | ND | ND | 12227.3 |
| TPD30801EG | 01/06/02 | 1028 | ND | ND | 10212.3 |
| TPD40801EG | 02/04/02 | 1205 | ND | trace | 9833.0 |
| TPD50801E3 | 03/05/02 | 0855 | ND | ND | 10592.4 |
| TPD50801E3 | 03/05/02 | 0855 | ND | ND | 8896.7 |
| TPD60801EG | 04/01/02 | 1436 | ND | ND | 8251.9 |
| PD500801EG | 04/29/02 | 1433 | ND | ND | 10966.4 |
| PD600801EG | 06/03/02 | 1510 | ND | ND | 8773.9 |
| PD700801EG | 07/08/02 | 1400 | ND | ND | 10299.6 |
| PD800801EG | 08/05/02 | 1339 | ND | trace | 9182.8 |
| PD900801EG | 09/09/02 | 1238 | ND | ND | 12697.9 |
| PD100701EG | 10/07/02 | 1010 | ND | ND | 10581.5 |

Ethene/Ethane/Methane data for **TAN-IOA** and **-27**

| TAN-1OA | | | | | |
|---|---|---|---|---|---|
| **Sample Name** | **Sample Date** | **Sample Time** | **Ethene (µg/L)** | **tthane (µg/L)** | **Methane (µg/L)** |
| 1PO16401EG | 08/06/01 | 1356 | ND | ND | 5.1 |
| 1PO17901EG | 09/10/01 | 1339 | 2.1 | ND | 5.0 |
| TPD01201EG | 10/08/01 | 1350 | 1.7 | ND | 3.6 |
| TPD11201EG | 11/05/01 | 1313 | ND | ND | 2.8 |
| TPD21301EG | 12/06/01 | 1056 | ND | ND | 3.2 |
| TPD31301EG | 01/09/02 | 1415 | ND | ND | 45.7 |
| TPD41301EG | 02/06/02 | 1142 | ND | trace | 13.4 |
| TPD51201EG | 03/04/02 | 1230 | ND | ND | 81.9 |
| TPD61301EG | 04/01/02 | 1005 | ND | ND | 144.4 |
| PD501301EG | 04/29/02 | 1056 | ND | ND | 6.3 |
| PD601301EG | 06/03/02 | 1121 | ND | ND | 124.8 |
| PD701301EG | 07/08/02 | 1101 | ND | ND | 73.8 |
| PD801302EG | 08/05/02 | 0930 | ND | trace | 212.7 |
| PD901301EG | 09/09/02 | 1115 | ND | ND | 42.5 |
| PD101201EG | 10/07/02 | 1446 | ND | ND | 30.3 |

| TAN-27 | | | | | |
|---|---|---|---|---|---|
| **Sample Name** | **Sample Date** | **Sample Time** | **tthene (µg/L)** | **tthane (µg/L)** | **Methane (µg/L)** |
| 1PO16501EG | 08/06/01 | 1449 | ND | ND | 3.8 |
| 1PO18001EG | 09/10/01 | 1431 | ND | ND | 4.5 |
| TPD00501EG | 10/08/01 | 1448 | ND | 7.6 | 229.3 |
| TPD00502EG | 10/08/01 | 1448 | ND | 2.4 | 125.0 |
| TPD10501EG | 11/05/01 | 1403 | ND | 3.8 | 319.9 |
| TPD20501EG | 12/06/01 | 0953 | ND | ND | 482.0 |
| TPD20502EG | 12/06/01 | 0953 | ND | ND | 449.3 |
| TPD30501E3 | 01/09/02 | 1314 | ND | ND | 672.1 |
| TPD30501E3 | 01/09/02 | 1314 | ND | ND | 484.0 |
| TPD30502E3 | 01/09/02 | 1314 | ND | ND | 535.8 |
| TPD30502E3 | 01/09/02 | 1314 | ND | ND | 613.3 |
| TPD40501E3 | 02/06/02 | 1034 | ND | trace | 651.0 |
| TPD40501E3 | 02/06/02 | 1034 | ND | trace | 714.4 |
| TPD50501EG | 03/04/02 | 1043 | ND | ND | 687.2 |
| TPD50502EG | 03/04/02 | 1043 | ND | ND | 693.1 |
| TPD60501EG | 04/01/02 | 1158 | ND | ND | 703.9 |
| TPD60502EG | 04/01/02 | 1158 | ND | ND | 755.8 |
| PD500501EG | 04/29/02 | 1003 | ND | ND | 740.0 |
| PD600501EG | 06/03/02 | 1026 | ND | ND | 850.1 |
| PD600502EG | 06/03/02 | 1026 | ND | ND | 849.2 |
| PD700501E3 | 07/08/02 | 1011 | ND | ND | 757.1 |
| PD700501E3 | 07/08/02 | 1011 | ND | ND | 885.3 |
| PD800502EG | 08/05/02 | 0840 | ND | trace | 914.8 |
| PD900501EG | 09/09/02 | 1016 | ND | ND | 2150.7 |
| PD900502EG | 09/09/02 | 1016 | ND | ND | 1557.5 |
| PD100401EG | 10/07/02 | 1354 | ND | ND | 1358.3 |
| PD100402EG | 10/07/02 | 1354 | ND | ND | 1358.6 |

Ethene/Ethane/Methane data for **TAN-D2** and-29

| TAN-D2 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | tthene (µg/L) | tthane (µg/L) | Methane (µg/L) |
| 1PO15801EG | 08/07/01 | 0908 | 9.3 | ND | 8970.6 |
| 1PO17301EG | 09/10/01 | 1530 | 6.4 | ND | 10388.6 |
| TPD01301EG | 10/08/01 | 1214 | ND | ND | 5380.8 |
| TPD11301EG | 11/05/01 | 1505 | 7.2 | 7.4 | 7567.5 |
| TPD21401EG | 12/04/01 | 1454 | 7.3 | ND | 15327.5 |
| TPD31401EG | 01/08/02 | 1550 | ND | ND | 7281.6 |
| TPD41401EG | 02/05/02 | 1451 | 7.1 | trace | 12689.8 |
| TPD51301EG | 03/04/02 | 1500 | 5.1 | ND | 10316.6 |
| TPD61401EG | 04/02/02 | 1403 | 32.9 | ND | 13461.1 |
| PD501401EG | 04/30/02 | 1421 | 13.1 | ND | 13432.2 |
| PD601401EG | 06/04/02 | 1132 | 2.2 | ND | 8933.0 |
| PD701401EG | 07/09/02 | 1408 | 2.9 | ND | 11279.6 |
| PD801402EG | 08/05/02 | 1008 | 9.9 | ND | 13069.4 |
| PD901401EG | 09/09/02 | 1524 | ND | ND | 27190.6 |
| PD101301EG | 10/07/02 | 1544 | 9.2 | ND | 20113.0 |

| TAN-29 | | | | | |
|---|---|---|---|---|---|
| Sample Name | Sample Date | Sample Time | Ethene (µg/L) | Ethane (µg/L) | Methane (µg/L) |
| 1PO16301EG | 08/06/01 | 1220 | ND | ND | 532.3 |
| 1PO17801EG | 09/10/01 | 1201 | 1.3 | ND | 1398.6 |
| 1PO17802EG | 09/10/01 | 1201 | 1.9 | ND | 1110.2 |
| TPD00701EG | 10/08/01 | 1121 | ND | ND | 2398.9 |
| TPD10701EG | 11/05/01 | 1129 | ND | ND | 3827.0 |
| TPD20701EG | 12/05/01 | 1025 | ND | ND | 5184.6 |
| TPD30701EG | 01/09/02 | 1133 | ND | trace | 2709.2 |
| TPD40701EG | 02/04/02 | 1420 | ND | trace | 3413.4 |
| TPD50701EG | 03/05/02 | 0949 | 4.6 | ND | 2619.4 |
| TPD60701EG | 04/01/02 | 1521 | 7.5 | ND | 1623.3 |
| PD500701EG | 04/29/02 | 1207 | trace | ND | 1800.9 |
| PD600701EG | 06/03/02 | 1602 | ND | ND | 143.6 |
| PD700701EG | 07/09/02 | 1141 | ND | 2.2 | 121.1 |
| PD8007012EG | 08/05/02 | 1023 | ND | trace | 250.6 |
| PD900701EG | 09/09/02 | 1326 | ND | ND | 21.0 |
| PD100601EG | 10/07/02 | 1136 | ND | ND | 2962.0 |

Onsite Ethene/Ethane/Methane **duplicate** data

| Ethene (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 46.4 | 66.1 | 35 |
| 1PO178 | 09/10/01 | TAN-29 | 1.3 | 1.9 | 38 |
| TPD005 | 10/08/01 | TAN-27 | 0.0 | 0.0 | NA |
| TPD103 | 11/06/01 | TAN-25 | 30.6 | 38.5 | 23 |
| 37B101 | 11/19/01 | TAN-37B | 14.6 | 11.5 | 24 |
| TPD505 | 03/04/02 | TAN-27 | 0.0 | 0.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 0.0 | 0.0 | NA |
| PD6005 | 06/03/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 305.6 | 302.7 | 1 |
| PD8004 | 08/05/02 | TAN-26 | 31.8 | 32.8 | 3 |
| PD9005 | 09/09/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 0.0 | 0.0 | NA |

| Ethane (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | | 13.1 | NA |
| 1PO178 | 09/10/01 | TAN-29 | 0.0 | 0.0 | NA |
| TPD005 | 10/08/01 | TAN-27 | 7.6 | 2.4 | 104 |
| TPD103 | 11/06/01 | TAN-25 | 0.0 | 0.0 | NA |
| 37B101 | 11/19/01 | TAN-37B | 0.0 | 0.0 | NA |
| TPD505 | 03/04/02 | TAN-27 | 0.0 | 0.0 | NA |
| TPD605 | 04/01/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD5006 | 04/29/02 | TAN-28 | 0.0 | 0.0 | NA |
| PD6005 | 06/03/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD7002 | 07/09/02 | TSF-05B | 0.0 | 0.0 | NA |
| PD8004 | 08/05/02 | TAN-26 | 0.0 | 0.0 | NA |
| PD9005 | 09/09/02 | TAN-27 | 0.0 | 0.0 | NA |
| PD1004 | 10/07/02 | TAN-27 | 0.0 | 0.0 | NA |

| Methane (µg/L) | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 16337.8 | 21491.2 | 27 |
| 1PO178 | 09/10/01 | TAN-29 | 1398.6 | 1110.2 | 23 |
| TPD005 | 10/08/01 | TAN-27 | 229.3 | 125.0 | 59 |
| TPD103 | 11/06/01 | TAN-25 | 4546.5 | 7106.8 | 44 |
| 37B101 | 11/19/01 | TAN-37B | 698.7 | 817.6 | 16 |
| TPD505 | 03/04/02 | TAN-27 | 687.2 | 693.1 | 1 |
| TPD605 | 04/01/02 | TAN-27 | 703.9 | 755.8 | 7 |
| PD5006 | 04/29/02 | TAN-28 | 4500.3 | 5538.3 | 21 |
| PD6005 | 06/03/02 | TAN-27 | 850.1 | 849.2 | 0 |
| PD7002 | 07/09/02 | TSF-05B | 6717.0 | NA | NA |
| PD8004 | 08/05/02 | TAN-26 | 18081.1 | 18601.2 | 3 |
| PD9005 | 09/09/02 | TAN-27 | 2150.7 | 1557.5 | 32 |
| PD1004 | 10/07/02 | TAN-27 | 1358.3 | 1358.6 | 0 |

Offsite EEM data for TSF-05A and -058

| TSF-05A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO15301 | 08/07/01 | 3 | | 960 | D | 10000 | D |
| TPD10102 | 11/06/01 | 2 | J | 1700 | J | 13000 | J |
| TPD40102 | 02/04/02 | 2 | J | 390 | J | 5500 | J |
| PD500102 | 04/30/02 | 2 | U | 1200 | D | 11000 | D |
| PD800102 | 08/05/02 | 2 | J | 190 | J | 3300 | DJ |

| TSF-05B | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO15401 | 08/07/01 | 10 | | 1100 | D | 8600 | D |
| TPD10202 | 11/06/01 | 4 | J | 1200 | J | 10000 | J |
| TPD40202 | 02/05/02 | 3 | J | 370 | J | 12000 | J |
| PD500202 | 05/01/02 | 4 | | 280 | D | 4300 | D |
| PD800201 | 08/06/02 | 1.9 | UJ | 250 | J | 5000 | D |

**Offsite** EEM data for **TAN-25** and -31

| TAN-25 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO15501 | 08/07/01 | 2 | U | 33 | J | 18000 | D |
| TPD10302 | 11/06/01 | 2 | U J | 44 | J | 7500 | J |
| TPD10304 | 11/06/01 | 2 | U J | 40 | J | 17000 | J |
| TPD40302 | 02/05/02 | 2 | UJ | 32 | J | 3400 | J |
| PD500302 | 04/30/02 | 2 | U | 35 | | 4300 | D |
| PD800301 | 08/05/02 | 2.7 | J | 16 | J | 4100 | DJ |

| TAN-31 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO15701 | 08/08/01 | 2 | U | 18 | | 11000 | D |
| TPD10902 | 11/06/01 | 2 | U | 25 | J | 14000 | D |
| TPD40902 | 02/05/02 | 2 | UJ | 25 | J | 910 | J |
| TPD40904 | 02/05/02 | 2 | UJ | 18 | J | 12000 | J |
| PD500902 | 04/30/02 | 2 | U | 10 | | 9500 | D |
| PD800901 | 08/05/02 | 1.9 | U | 4.6 | J | 6700 | D |

Offsite EEM data for TAN-26 and -37C

| TAN-26 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO15601 | 08/06/01 | 17 | | 82 | J | 17000 | D |
| 1PO15603 | 08/06/01 | 14 | | 72 | J | 21000 | D |
| TPD10402 | 11/06/01 | 18 | J | 17 | J | 13000 | J |
| TPD40402 | 02/05/02 | 26 | J | 79 | J | 8100 | J |
| PD500402 | 04/30/02 | 7 | | 3 | | 7000 | D |
| PD800401 | 08/05/02 | 23 | J | 23 | J | 7700 | D |
| PD800403 | 08/05/02 | 22 | J | 20 | J | 6400 | D |
| | | | | | | | |
| | | | | | | | |
| TAN-37C | | | | | | | |
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| TPD11102 | 11/06/01 | 2 | U | 17 | J | 14000 | D |
| TPD41202 | 02/06/02 | 3 | J | 20 | J | 12000 | J |
| PD501202 | 05/01/02 | 8 | | 15 | | 21001 | D |
| PD801201 | 08/05/02 | 16 | J | 9 | J | 55001 | DJ |

**Offsite** EEM **data** for **TAN-37A and -378**

| TAN-37A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO15901 | 08/08/01 | 2 | U | 2 | U J | 6900 | D |
| TPD11002 | 11/06/01 | 2 | U | 6 | J | 15000 | D |
| TPD41002 | 02/06/02 | 2 | UJ | 21 | J | 6800 | J |
| PD501002 | 05/01/02 | 2 | U | 33 | | 7700 | D |
| PD801001 | 08/05/02 | 1.9 | U | 4.6 | J | 7400 | DJ |

| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
|---|---|---|---|---|---|---|---|
| 1PO16001 | 08/08/01 | 4 | | 45 | J | 18000 | D |
| No November TAN-378 data | | | | | | | |
| No February TAN-37B data | | | | | | | |
| PD501102 | 05/01/02 | 2 | U | 24 | | 72001 | D |
| PD801101 | 08/05/02 | 1.91 | U | 3.91 | J | 59001 | DJ |

Offsite **EEM data** for **TAN-28 and -30A**

| TAN-28 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO16101 | 08/06/01 | 2 | U J | 2 | U J | 3700 | D |
| TPD10602 | 11/05/01 | 2 | U J | 2 | U J | 3600 | J |
| TPD40602 | 02/04/02 | 2 | UJ | 2 | UJ | 950 | J |
| PD500602 | 04/29/02 | 2 | U | 2 | U | 7100 | D |
| PD500604 | 04/29/02 | 2 | U | 2 | U | 2800 | D |
| PD800601 | 08/05/02 | 1.9 | U | 1.8 | U | 2300 | J |

| TAN-30A | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO16201 | 08/06/01 | 2 | U J | 2 | U J | 16000 | D |
| TPD10802 | 11/05/01 | 2 | U | 2 | U J | 7100 | D |
| TPD40802 | 02/04/02 | 2 | UJ | 2 | UJ | 4500 | J |
| PD500802 | 04/29/02 | 2 | U | 2 | U | 6200 | D |
| PD800801 | 08/05/02 | 1.9 | U | 1.8 | U | 8000 | DJ |

Offsite EEM data for TAN-IOA and -27

| TAN-10A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO16401 | 08/06/01 | 2 | U J | 2 | U J | 35 | |
| TPD11202 | 11/05/01 | 2 | U | 2 | U J | 13 | |
| TPD41302 | 02/06/02 | 2 | UJ | 2 | UJ | 19 | J |
| PD501302 | 04/29/02 | 2 | U | 2 | U | 47 | |
| PD801301 | 08/05/02 | 1.9 | U | 1.8 | U | 130 | |

| TAN-27 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag |
| 1PO16501 | 08/06/01 | 2 | U J | 2 | U J | 16 | |
| TPD10502 | 11/05/01 | 2 | U J | 2 | U J | 200 | J |
| TPD40502 | 02/06/02 | 2 | UJ | 2 | UJ | 280 | J |
| PD500502 | 04/29/02 | 2 | U | 2 | U | 710 | D |
| PD800501 | 08/05/02 | 1.9 | U | 1.8 | U | 700 | J |

**Offsite** EEM **data** for **TAN-D2 and** -29

| TAN-D2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO15801 | 08/07/01 | 2 | U J | 10 | J | 8100 | D |
| TPD11302 | 11/05/01 | 2 | U | 25 | | 4800 | D |
| TPD41402 | 02/05/02 | 2 | UJ | 5 | J | 6300 | J |
| PD501402 | 04/30/02 | 2 | U | 5 | | 460 | D |
| PD801401 | 08/05/02 | 2 | | 8.9 | | 12000 | DJ |

| TAN-29 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Ethane (µg/L)** | **Flag** | **Ethene (µg/L)** | **Flag** | **Methane (µg/L)** | **Flag** |
| 1PO16301 | 08/06/01 | 2 | U J | 2 | U J | 3600 | D |
| TPD10702 | 11/05/01 | 2 | U J | 2 | U J | 6600 | J |
| TPD40702 | 02/04/02 | 2 | UJ | 2 | UJ | 1200 | J |
| PD500702 | 04/29/02 | 2 | U | 4 | | 1100 | D |
| PD800701 | 08/05/02 | 1.9 | U | 1.8 | U | 61 | J |

Offsite EEM blanks data and MS/MSD data

| Sample ID | Date | ttnane (µg/L) | Flag | Ethene (µg/L) | Flag | Methane (µg/L) | Flag | |
|---|---|---|---|---|---|---|---|---|
| 1PO16702 | 08/07/01 | 2 | U | 2 | U | 1 | | |
| TPD11502 | 11/05/01 | 2 | U | 2 | U | 1 | U | |
| TPD41602 | 02/05/02 | 2 | UJ | 2 | UJ | 8 | J | |
| PD501602 | 04/30/02 | 2 | U | | U | 2 | | |
| PD801501 | 08/05/02 | 1.9 | U | | U | 89 | J | ,Fieldblank |
| PD801601 | 08/05/02 | 1.9 | U | | U | | J | Trip blank |

**MS,MSD Data**

| Date | Well | Compound | Spike Added (µg/L) | Sample Concentration (µg/L) | MS % Recovered | | MSD Concentration (µg/L) | MSD % Recovered |
|---|---|---|---|---|---|---|---|---|
| 08/08/01 | TAN-31 | Methane | 20 | 320 | 200 | | 330 | 50 |
| 08/08/01 | TAN-31 | Ethene | 35 | 63 | 129 | | 61 | 123 |
| 08/08/01 | TAN-31 | Ethane | 38 | 43 | 115 | | 42 | 120 |
| 11/05/01 | TAN 28 | Methane | 20 | 3600 | -9000 | * | 3100 | -2500 |
| 11/05/01 | TAN 28 | Ethene | 35 | 0 | 0 | * | 0 | 0 |
| 11/05/01 | TAN 28 | Ethane | 38 | 0 | 0 | * | 0 | 0 |
| 02/06/02 | TAN 27 | Methane | 20 | 280 | -200 | * | 130 | -750 |
| 02/06/02 | TAN 27 | Ethene | 35 | 0 | 54 | * | 0 | 0 |
| 02/06/02 | TAN 27 | Ethane | 37 | 0 | 54 | * | 0 | 0 |
| 05/01/02 | TAN-37A | Methane | 20 | 480 | -200 | * | 550 | 350 |
| 05/01/02 | TAN-37A | Ethene | 35 | 33 | 54 | * | 51 | 51 |
| 05/01/02 | TAN-37A | Ethane | 37 | 0 | 97 | | 36 | 97 |
| 08/05/02 | TSF-05A | Methane | 100 | 3300 | -100 | * | 2500 | -800 |
| 08/05/02 | TSF-05A | Ethene | 176 | 190 | 11 | * | 180 | -6 |
| 08/05/02 | TSF-05A | Ethane | 187 | 2 | 14 | * | 12 | 5 |

* Values outside QC limits

Offsite MS/MSD data for Ethane/Ethene/Methane

| Offsite MS/MSD Data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Date | Well | Compound | Spike Added (µg/L) | Sample Concentration (µg/L) | MS % Recovered | | MSD Concentration (µg/L) | MSD % Recovered |
| 08/08/01 | TAN-31 | Methane | 20 | 320 | 200 | | 330 | 50 |
| 08/08/01 | TAN-31 | Ethene | 35 | 63 | 129 | | 61 | 123 |
| 08/08/01 | TAN-31 | Ethane | 38 | 43 | 115 | | 42 | 120 |
| 11/05/01 | TAN 28 | Methane | 20 | 3600 | -9000 | * | 3100 | -2500 |
| 11/05/01 | TAN 28 | Ethene | 35 | 0 | 0 | * | 0 | 0 |
| 11/05/01 | TAN 28 | Ethane | 38 | 0 | 0 | * | 0 | 0 |
| 02/06/02 | TAN 27 | Methane | 20 | 280 | -200 | * | 130 | -750 |
| 02/06/02 | TAN 27 | Ethene | 35 | 0 | 54 | * | 0 | 0 |
| 02/06/02 | TAN 27 | Ethane | 37 | 0 | 54 | * | 0 | 0 |
| 05/01/02 | TAN-37A | Methane | 20 | 480 | -200 | * | 550 | 350 |
| 05/01/02 | TAN-37A | Ethene | 35 | 33 | 54 | * | 51 | 51 |
| 05/01/02 | TAN-37A | Ethane | 37 | 0 | 97 | | 36 | 97 |
| 08/05/02 | TSF-05A | Methane | 100 | 3300 | -100 | * | 2500 | -800 |
| 08/05/02 | TSF-05A | Ethene | 176 | 190 | 11 | * | 180 | -6 |
| 08/05/02 | TSF-05A | Ethane | 187 | 2 | 14 | * | 12 | 5 |

* Values outside QC limits

Offsite Ethene/Ethane/Methane duplicate data

| Ethene (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 82 | J | 72 | J | 13 |
| TPD103 | 11/06/01 | TAN-25 | 44 | J | 40 | J | 10 |
| TPD409 | 02/05/02 | TAN-31 | 25 | J | 18 | J | 33 |
| PD5006 | 04/29/02 | TAN-28 | 2 | U | 2 | U | NA |
| PD8004 | 08/06/02 | TAN-26 | 23 | J | 20 | J | 14 |

| Ethane (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 17 | | 14 | | 19 |
| TPD103 | 11/06/01 | TAN-25 | 2 | UJ | 2 | U J | NA |
| TPD409 | 02/05/02 | TAN-31 | 2 | UJ | 2 | UJ | NA |
| PD5006 | 04/29/02 | TAN-28 | 2 | U | 2 | U | NA |
| PD8004 | 08/06/02 | TAN-26 | 23 | J | 22 | J | 4 |

| Methane (µg/L) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Flag** | **Value 2** | **Flag** | **RPD %** |
| 1PO156 | 08/06/01 | TAN-26 | 17000 | D | 21000 | D | 21 |
| TPD103 | 11/06/01 | TAN-25 | 7500 | J | 17000 | J | 78 |
| TPD409 | 02/05/02 | TAN-31 | 910 | J | 12000 | J | 172 |
| PD5006 | 04/29/02 | TAN-28 | 7100 | D | 2800 | D | 87 |
| PD8004 | 08/06/02 | TAN-26 | 7700 | D | 6400 | D | 18 |

**U** = Undetected
J = Estimated Value
D = Diluted Sample

EEM split data for TSF-05A and -05B

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15301 | 08/07/01 | 3 | | 4.6 | 42 | 960 | D | 1237.6 | 25 | 10000 | D | 11977.8 | 18 |
| TPD10102 | 11/06/01 | 2 | J | ND | NA | 1700 | J | 2051.4 | 19 | 13000 | J | 17185 | 28 |
| TPD40102 | 02/04/02 | 2 | J | ND | NA | 390 | J | 474.7 | 20 | 5500 | J | 9949.5 | 58 |
| PD500102 | 04/30/02 | 2 | u | ND | NA | 1200 | D | 889.8 | 30 | 11000 | D | 12300.1 | 11 |
| PD800102 | 08/05/02 | 2 | J | ND | NA | 190 | J | 190.0 | 0 | 3300 | DJ | 7570.05 | 79 |

**TSF-05B**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15401 | 08/07/01 | 10 | | 8.2 | 20 | 1100 | D | 1110.9 | 1 | 8600 | D | 7523.8 | 13 |
| TPD10202 | 11/06/01 | 4 | J | ND | NA | 1200 | J | 1151.2 | 4 | 10000 | J | 11246.4 | 12 |
| TPD40202 | 02/05/02 | 3 | J | ND | NA | 370 | J | 576.3 | 44 | 12000 | J | 15754 | 27 |
| PD500202 | 05/01/02 | 4 | | ND | NA | 280 | D | 657.1 | 80 | 4300 | D | 14227.1 | 107 |
| PD800201 | 08/06/02 | 1.9 | UJ | Trace | NA | 250 | J | 259.7 | 4 | 5000 | D | 6717 | 29 |

**EEM** split data for TAN-25 and -31

**TAN-25**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15501 | 08/07/01 | 2 | U | ND | NA | 33 | J | 19 | 54 | 18000 | D | 3830.4 | 130 |
| TPD10302 | 11/06/01 | 2 | U J | ND | NA | 44 | J | 30.6 | 36 | 7500 | J | 4546.5 | 49 |
| TPD10304 | 11/06/01 | 2 | U J | ND | NA | 40 | J | 38.5 | 4 | 17000 | J | 7106.8 | 82 |
| TPD40302 | 02/05/02 | 2 | U J | Trace | NA | 32 | J | 28.1 | 13 | 3400 | J | 9171 | 92 |
| PD500302 | 04/30/02 | 2 | U | ND | NA | 35 | | 27.8 | 23 | 4300 | D | 7084.5 | 49 |
| PD800301 | 08/05/02 | 2.7 | J | Trace | NA | 16 | J | 12.1 | 28 | 4100 | DJ | 3226.8 | 24 |

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15701 | 08/08/01 | 2 | u | ND | NA | 18 | | 19.5 | 8 | 11000 | D | 16807.4 | 42 |
| TPDI0902 | 11/06/01 | 2 | u | ND | NA | 25 | J | 29.6 | 17 | 14000 | D | 14687 | 5 |
| TPD40902 | 02/05/02 | 2 | UJ | ND | NA | 25 | J | 59.7 | 82 | 910 | J | 18323.9 | 181 |
| TPD40904 | 02/05/02 | 2 | UJ | ND | NA | 18 | J | 30.8 | 52 | 12000 | J | 15077.7 | 23 |
| PD500902 | 04/30/02 | 2 | u | ND | NA | 10 | | 7.5 | 29 | 9500 | D | 9813.3 | 3 |
| PD800901 | 08/05/02 | 1.9 | U | ND | NA | 4.6 | J | 5.2 | 12 | 6700 | D | 4152.9 | 47 |

**EEM** split data for TAN-26 and -37C

**TAN-26**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15601 | 08/06/01 | 17 | | 10.8 | 45 | 82 | J | 46.4 | 55 | 17000 | D | 16337.8 | 4 |
| 1PO15603 | 08/06/01 | 14 | | 13.7 | 2 | 72 | J | 66.1 | 9 | 21000 | D | 21491.2 | 2 |
| TPD10402 | 11/06/01 | 18 | J | 20.9 | 15 | 17 | J | 18.9 | 11 | 13000 | J | 17934.8 | 32 |
| TPD40402 | 02/05/02 | 26 | J | ND | NA | 79 | J | 62.5 | 23 | 8100 | J | 15054.1 | 60 |
| PD500402 | 04/30/02 | 7 | | ND | NA | 3 | | 2.9 | 3 | 7000 | D | 7726.4 | 10 |
| PD800401 | 08/05/02 | 23 | J | Trace | NA | 23 | J | 31.8 | 32 | 7700 | D | 18081.1 | 81 |
| PD800403 | 08/05/02 | 22 | J | Trace | NA | 20 | J | 32.8 | 48 | 6400 | D | 18601.2 | 98 |

**TAN-37C**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No August 2001 split data from TAN-37C | | | | | | | | | | | |
| TPDI1102 | 11/06/01 | 2 | u | ND | NA | 17 | J | 18.4 | 8 | 14000 | D | 17179.5 | 20 |
| TPD41202 | 02/06/02 | 3 | J | Trace | NA | 20 | J | 19.6 | 2 | 12000 | J | 17221.2 | 36 |
| PD501202 | 05/01/02 | 8 | | ND | NA | 15 | | 9.6 | 44 | 2100 | D | 14629.9 | 150 |
| PD801201 | 08/05/02 | 16 | J | Trace | NA | 9 | J | 10.8 | 18 | 5500 | DJ | 14952.1 | 92 |

EEM split data for TAN-37A and -378

| TAN-37A | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
| 1PO15901 | 08/08/01 | 2 | u | ND | NA | 2 | U J | 1.7 | NA | 6900 | D | 13848.8 | 67 |
| TPDI 1002 | 11/06/01 | 2 | u | ND | NA | 6 | J | 5.8 | 3 | 15000 | D | 16962.6 | 12 |
| TPD41002 | 02/06/02 | 2 | UJ | Trace | NA | 21 | J | 18.4 | 13 | 6800 | J | 9450.7 | 33 |
| PD501002 | 05/01/02 | 2 | u | ND | NA | 33 | | 16.5 | 67 | 7700 | D | 9361.45 | 19 |
| PD801001 | 08/05/02 | 1.9 | U | ND | NA | 4.6 | J | 6.1 | 28 | 7400 | DJ | 12670.7 | 53 |

| TAN-37B | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
| 1PO16001 | 08/08/01 | 4 | | 4.5 | 12 | 45 | J | 27.1 | 50 | 18000 | D | 16120.4 | 11 |
| | | | | | | | | | | | | | |
| PD501102 | 05/01/02 | 2 | U | ND | NA | 24 | | 16.61 | 36 | 72001 | D | 10132.3 | 34 |
| PD801101 | 08/05/02 | 1.91 | U | TRACE | NA | 3.9 | J | 5.21 | 29 | 5900 | DJ | 13836.1 | 80 |

EEM split data for TAN-28 and -30A

**TAN-28**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16101 | 08/06/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 3700 | D | 2692.6 | 32 |
| TPD10602 | 11/05/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 3600 | J | 5418.2 | 40 |
| TPD40602 | 02/04/02 | 2 | UJ | Trace | NA | 2 | UJ | ND | NA | 950 | J | 4445.3 | 130 |
| PD500602 | 04/29/02 | 2 | U | ND | NA | 2 | U | ND | NA | 7100 | D | 4500.3 | 45 |
| PD500604 | 04/29/02 | 2 | U | ND | NA | 2 | U | ND | NA | 2800 | D | 5538.3 | 66 |
| IAN00502 | 11/04/02 | 2.7 | | ND | NA | 2.6 | | 6.2 | 82 | 2300 | | 4819.0 | 71 |
| IAN00504 | 11/04/02 | 1.9 | U | ND | NA | 1.8 | U | 10.5 | 141 | 2100 | D | 4496.8 | 73 |

**TAN-30A**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16201 | 08/06/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 16000 | D | 8514.2 | 61 |
| TPD10802 | 11/05/01 | 2 | U | ND | NA | 2 | U J | ND | NA | 7100 | D | 11572.7 | 48 |
| TPD40802 | 02/04/02 | 2 | UJ | Trace | NA | 2 | UJ | ND | NA | 4500 | J | 9833 | 74 |
| PD500802 | 04/29/02 | 2 | U | ND | NA | 2 | U | ND | NA | 6200 | D | 10966.4 | 56 |
| PD800801 | 08/05/02 | 1.9 | U | Trace | NA | 1.8 | U | ND | NA | 8000 | DJ | 9182.8 | 14 |
| | | | | | | | | | | | | | |
| #REF! | | | | | | | | | | | | | |

EEM split data for TAN-IOA and -27

| TAN-10A | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
| 1PO16401 | 08/06/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 35 | | 5.1 | 149 |
| TPD11202 | 11/05/01 | 2 | U | ND | NA | 2 | U J | ND | NA | 13 | | 2.8 | 129 |
| TPD41302 | 02/06/02 | 2 | UJ | trace | NA | 2 | UJ | ND | NA | 19 | J | 13.4 | 35 |
| PD501302 | 04/29/02 | 2 | U | ND | NA | 2 | U | ND | NA | 47 | | 6.3 | 153 |
| PD801301 | 08/05/02 | 1.9 | U | trace | NA | 1.8 | N | ND | NA | 130 | | 212.7 | 48 |

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16501 | 08/06/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 16 | | 3.8 | 123 |
| TPDI0502 | 11/05/01 | 2 | U J | 3.8 | NA | 2 | U J | ND | NA | 200 | J | 319.9 | 46 |
| TPD40502 | 02/06/02 | 2 | UJ | trace | NA | 2 | UJ | ND | NA | 280 | J | 682.7 | 84 |
| PD500502 | 04/29/02 | 2 | u | ND | NA | 2 | u | ND | NA | 710 | D | 740 | 4 |
| PD800501 | 08/05/02 | 1.9 | U | trace | NA | 1.8 | U | ND | NA | 700 | J | 914.8 | 27 |

EEM split data for TAN-D2 and -29

**TAN-D2**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15801 | 08/07/01 | 2 | U J | ND | NA | 10 | J | 9.3 | 7 | 8100 | D | 8970.6 | 10 |
| TPDI 1302 | 11/05/01 | 2 | U | 7.4 | NA | 25 | | 7.2 | 111 | 4800 | D | 7567.5 | 45 |
| TPD41402 | 02/05/02 | 2 | UJ | Trace | NA | 5 | J | 7.1 | 35 | 6300 | J | 12689.8 | 67 |
| PD501402 | 04/30/02 | 2 | U | ND | NA | 5 | | 13.1 | 90 | 460 | D | 13432.2 | 187 |
| PD801401 | 08/05/02 | 7 | | ND | NA | 8.9 | | 9.9 | 11 | 12000 | DJ | 13069.4 | 9 |

**TAN-29**

| Sample ID | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16301 | 08/06/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 3600 | D | 532.3 | 148 |
| TPD10702 | 11/05/01 | 2 | U J | ND | NA | 2 | U J | ND | NA | 6600 | J | 3827 | 53 |
| TPD40702 | 02/04/02 | 2 | UJ | Trace | NA | 2 | UJ | ND | NA | 1200 | J | 3413.4 | 96 |
| PD500702 | 04/29/02 | 2 | U | ND | NA | 4 | | Trace | NA | 1100 | D | 1800.9 | 48 |
| PD800701 | 08/05/02 | 1.9 | U | Trace | NA | 1.8 | U | ND | NA | 61 | J | 250.6 | 122 |

EEM split data for blanks

| Blanks | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Trip or Field Blank | Date | Ethane (µg/L) | Flag | IRC's Results Ethane (µg/L) | RPD | Ethene (µg/L) | Flag | IRC's Results Ethene (µg/L) | RPD | Methane (µg/L) | Flag | IRC's Results Methane (µg/L) | RPD |
| TPD11502 | Trip | 11/05/01 | 2 | U | ND | NA | 2 | U | ND | NA | 1 | U | 10.3 | NA |
| TPD41602 | Trip | 02/05/02 | 2 | UJ | Trace | NA | 2 | UJ | ND | NA | 8 | J | 12.4 | 43 |
| PD501602 | Trip | 04/30/02 | 2 | U | Trace | NA | 2 | U | ND | NA | 2 | | 8.3 | 122 |
| PD801501 | Field | 08/05/02 | 1.9 | U | Trace | NA | 1.8 | U | ND | NA | 89 | J | 10.1 | 159 |
| PD801601 | Trip | 08/05/02 | 1.9 | U | Trace | NA | 1.8 | U | ND | NA | 4.9 | J | 5.1 | 4 |

**MS,MSD Data**

| Sample ID | Date | Well | Compound | Spike Added (µg/L) | Sample Concerltration (µg/L) | MS % Recovered | | MSD Concentration (µg/L) | MSD % Recovered | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15701 | 08/08/01 | TAN-31 | Methane | 20 | 320 | 200 | | 330 | 50 | |
| 1PO15701 | 08/08/01 | TAN-31 | Ethene | 35 | 63 | 129 | | 61 | 123 | |
| 1PO15701 | 08/08/01 | TAN-31 | Ethane | 38 | 43 | 115 | | 42 | 120 | |
| TPD10602 | 11/05/01 | TAN 28 | Methane | 20 | 3600 | -9000 | * | 3100 | -2500 | * |
| TPD10602 | 11/05/01 | TAN 28 | Ethene | 35 | 0 | 0 | * | 0 | 0 | * |
| TPD10602 | 11/05/01 | TAN 28 | Ethane | 38 | 0 | 0 | * | 0 | 0 | * |
| TPD40502 | 02/06/02 | TAN 27 | Methane | 20 | 280 | -200 | * | 130 | -750 | * |
| TPD40502 | 02/06/02 | TAN 27 | Ethene | 35 | 0 | 54 | * | 0 | 0 | * |
| TPD40502 | 02/06/02 | TAN 27 | Ethane | 37 | 0 | 54 | * | 0 | 0 | * |
| PD501002 | 05/01/02 | TAN-37A | Methane | 20 | 480 | -200 | * | 550 | 350 | * |
| PD501002 | 05/01/02 | TAN-37A | Ethene | 35 | 33 | 54 | * | 51 | 51 | * |
| PD501002 | 05/01/02 | TAN-37A | Ethane | 37 | 0 | 97 | | 36 | 97 | |
| PD800102 | 08/05/02 | TSF-05A | Methane | 100 | 3300 | -100 | * | 2500 | -800 | * |
| PD800102 | 08/05/02 | TSF-05A | Ethene | 176 | 190 | 11 | * | 180 | -6 | * |
| PD800102 | 08/05/02 | TSF-05A | Ethane | 187 | 2 | 14 | * | 12 | 5 | * |

* Values outside QC limits

Bioactivity indicators and nutrients in TSF-05A and -05B

| TSF-05A | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15301 | 08/07/01 | 2072 | | |
| 1PO16801 | 09/11/01 | 2100 | | |
| TPD00101 | 10/08/01 | 925 | | |
| TPD10101 | 11/06/01 | 1430 | >2.5 | 0.06 |
| TPD20101 | 12/03/01 | 1290 | | |
| TPD30101 | 01/07/02 | 2040 | | |
| TPD40101 | 02/04/02 | 1870 | | |
| TPD50101 | 03/04/02 | 1640 | | |
| TPD60101 | 04/01/02 | 3070 | | |
| PD500101 | 04/30/02 | 2190 | >2.5 | 0.88 |
| PD600101 | 06/03/02 | 2280 | | |
| PD700101 | 07/08/02 | 3110 | | |
| PD800101 | 08/06/02 | 2350 | | |
| PD900101 | 09/09/02 | 3050 | | |
| PD100001 | 10/07/02 | 3790 | | |

| TSF-05B | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15401 | 08/07/01 | 1400 | | |
| 1PO16901 | 09/12/01 | 2600 | | |
| TPD00201 | 10/10/01 | 1995 | | |
| TPD10201 | 11/07/01 | 2080 | >2.5 | 0.08 |
| TPD20201 | 12/04/01 | 1930 | | |
| TPD30201 | 01/08/02 | 1940 | | |
| TPD40201 | 02/05/02 | 2230 | | |
| Not sampled during March 2002 due to inoperable pump. | | | | |
| TPD60201 | 04/02/02 | 2680 | | |
| PD500201 | 05/01/02 | >4000 | 0.08 | 0.76 |
| PD600201 | 06/04/02 | 2810 | | |
| PD700201 | 07/09/02 | 4040 | | |
| PD700202 | 07/09/02 | 3930 | | |
| PD800201 | 08/08/02 | 3300 | | |
| PD900201 | 09/09/02 | 3520 | | |
| PD100101 | 10/08/02 | 3620 | | |

Bioactivity indicators and nutrients in **TAN-25 and -31**

| TAN-25 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15501 | 08/07/01 | 2864 | | |
| 1PO17001 | 09/11/01 | 2880 | | |
| TPD00301 | 10/10/01 | 2800 | | |
| TPD10301 | 11/06/01 | 2840 | >2.5 | 0.02 |
| TPD10302 | 11/06/01 | 2790 | >2.5 | 0.02 |
| TPD20301 | 12/04/01 | 2660 | | |
| TPD30301 | 01/08/02 | 2650 | | |
| TPD40301 | 02/05/02 | 2970 | | |
| TPD50301 | 03/05/02 | 2270 | | |
| TPD60301 | 04/02/02 | 3270 | | |
| PD500301 | 04/30/02 | 4010 | >2.5 | 0.02 |
| PD600301 | 06/04/02 | 3580 | | |
| PD700301 | 07/09/02 | 4470 | | |
| PD800301 | 08/08/02 | 3380 | | |
| PD900301 | 09/09/02 | 4250 | | |
| PD100201 | 10/08/02 | 4340 | | |

| TAN-31 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15701 | 08/08/01 | 1284 | | |
| 1PO17201 | 09/11/01 | 1355 | | |
| TPD00701 | 10/10/01 | 1100 | | |
| TPD10901 | 11/06/01 | 1415 | 1.57 | 0.00 |
| TPD20901 | 12/03/01 | 1015 | | |
| TPD30901 | 01/08/02 | 1420 | | |
| TPD40901 | 02/05/02 | 1060 | | |
| TPD40902 | 02/05/02 | 1070 | | |
| TPD50901 | 03/05/02 | 775 | | |
| TPD50901 | 03/05/02 | 785 | | |
| TPD50901 | 03/05/02 | 790 | | |
| TPD60901 | 04/02/02 | 2290 | | |
| PD500901 | 04/30/02 | 1870 | 1.79 | 0.03 |
| PD600901 | 06/04/02 | 1390 | | |
| PD700901 | 07/09/02 | 2050 | | |
| PD800901 | 08/08/02 | 2700 | | |
| PD900901 | 09/09/02 | 1480 | | |
| PD100801 | 10/08/02 | 2960 | | |

Bioactivity indicators and nutrients in **TAN-26 and -37C**

| TAN26 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15601 | 08/06/01 | 1456 | | |
| 1PO17101 | 09/11/01 | 1425 | | |
| TPD00401 | 10/08/01 | 1590 | | |
| TPD10401 | 11/06/01 | 1748 | 0.91 | 0.16 |
| TPD20401 | 12/04/01 | 1365 | | |
| TPD30401 | 01/08/02 | 1338 | | |
| TPD40401 | 02/05/02 | 1385 | | |
| TPD50401 | 03/05/02 | 1400 | | |
| TPD60401 | 04/02/02 | 2070 | | |
| PD500401 | 04/30/02 | 2185 | 1.00 | 0.06 |
| PD600401 | 06/04/02 | 2855 | | |
| PD700401 | 07/09/02 | 2800 | | |
| PD800401 | 08/06/02 | 1950 | | |
| PD800401 | 08/06/02 | 1966 | | |
| PD800402 | 08/06/02 | 2010 | | |
| PD800402 | 08/06/02 | 1980 | | |
| PD900401 | 09/09/02 | 3110 | | |
| PD100301 | 10/08/02 | 2360 | | |

| TAN-37C | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO16001 | 08/08/01 | 1288 | | |
| 1PO17501 | 09/11/01 | 1240 | | |
| TPD01101 | 10/10/01 | 1490 | | |
| TPD11101 | 11/06/01 | 1625 | | |
| TPD21201 | 12/03/01 | 1700 | | |
| TPD31201 | 01/09/02 | 1565 | | |
| TPD41201 | 02/06/02 | 1675 | | |
| TPD51101 | 03/05/02 | 1710 | | |
| TPD61201 | 04/03/02 | 2030 | | |
| 37A00201 | 04/17/02 | 1760 | | |
| 37A00202 | 04/17/02 | 1835 | | |
| PD501201 | 05/01/02 | 2000 | 0.65 | 0.16 |
| PD601201 | 06/04/02 | 1820 | | |
| PD701201 | 07/10/02 | 1740 | | |
| PD801201 | 08/08/02 | 1595 | | |
| PD901201 | 09/09/02 | 1775 | | |
| PD101101 | 10/08/02 | 1500 | | |

Bioactivity indicators and nutrients in TAN-37A and -37B

| TAN-37A | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15901 | 08/08/01 | 306.4 | | |
| 1PO17401 | 09/11/01 | 322 | | |
| TPD01001 | 10/10/01 | 319 | | |
| TPD11001 | 11/06/01 | 309 | | |
| TPD21001 | 12/03/01 | 333 | | |
| TPD31001 | 01/07/02 | 319 | | |
| TPD41001 | 02/06/02 | 322 | | |
| TPD51001 | 03/05/02 | 314 | | |
| TPD61001 | 04/03/02 | 334 | | |
| 37A00001 | 04/17/02 | 330 | | |
| PD501001 | 05/01/02 | 353 | 0.59 | 1.17 |
| PD601001 | 06/04/02 | 351 | | |
| PD701001 | 07/10/02 | 356 | | |
| PD801001 | 08/08/02 | 374 | | |
| PD901001 | 09/09/02 | 408 | | |
| PD100901 | 10/08/02 | 398 | | |

| TAN-37B | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 37B10101 | 11/19/01 | 372 | 0.82 | 1.25 |
| 37B10102 | 11/19/01 | 378 | 0.71 | 1.23 |
| TPD21101 | 12/10/01 | 378 | | |
| TPD31101 | 01/07/02 | 326 | | |
| TPD41101 | 02/06/02 | 342 | | |
| TPD51601 | 03/06/02 | 298 | | |
| TPD51601 | 03/06/02 | 338 | | |
| TPD61101 | 04/03/02 | 369 | | |
| 37A00101 | 04/17/02 | 346 | | |
| PD501101 | 05/01/02 | 364 | 0.7 | 1.18 |
| PD601101 | 06/04/02 | 340 | | |
| PD701101 | 07/10/02 | 360 | | |
| PD801101 | 08/08/02 | 382 | | |
| PD901101 | 09/09/02 | 408 | | |
| PD101001 | 10/08/02 | 420 | | |

Bioactivity indicators and nutrients in TAN-28 and -30A

**TAN-28**

| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
|---|---|---|---|---|
| 1PO16101 | 08/06/01 | 254.4 | | |
| 1PO17601 | 09/10/01 | 253 | | |
| TPD00601 | 10/08/01 | 254 | | |
| TPD10601 | 11/05/01 | 276 | | |
| TPD20601 | 12/05/01 | 267 | | |
| TPD30601 | 01/09/02 | 294 | | |
| TPD40601 | 02/04/02 | 287 | | |
| TPD50601 | 03/04/02 | 287 | | |
| TPD60601 | 04/01/02 | 297 | | |
| PD500601 | 04/29/02 | 285 | 0.44 | 0.2 |
| PD500602 | 04/29/02 | 286 | 0.5 | |
| PD600601 | 06/03/02 | 293 | | |
| PD700601 | 07/08/02 | 289 | | |
| PD800601 | 08/08/02 | 293 | | |
| PD900601 | 09/09/02 | 279 | | |
| PD100501 | 10/07/02 | 291 | | |

**TAN-30A**

| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
|---|---|---|---|---|
| 1PO16201 | 08/06/01 | 304.8 | | |
| 1PO17701 | 09/10/01 | 285 | | |
| TPD00801 | 10/08/01 | 298 | | |
| TPD10801 | 11/05/01 | 316 | 0.42 | 0.22 |
| TPD20801 | 12/05/01 | 293 | | |
| TPD30801 | 01/06/02 | 299 | | |
| TPD40801 | 02/04/02 | 303 | | |
| TPD50801 | 03/05/02 | 319 | | |
| TPD60801 | 04/01/02 | 325 | | |
| PD500801 | 04/29/02 | 316 | 0.33 | 0.25 |
| PD600801 | 06/03/02 | 329 | | |
| PD700801 | 07/08/02 | 318 | | |
| PD800801 | 08/08/02 | 332 | | |
| PD900801 | 09/09/02 | 328 | | |
| PD100701 | 10/07/02 | 336 | | |

Bioactivity indicators and nutrients in **TAN-IOA** and -27

**TAN-10A**

| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
|---|---|---|---|---|
| 1PO16401 | 08/06/01 | 186.4 | | |
| 1PO17901 | 09/10/01 | 190 | | |
| TPD01201 | 10/08/01 | 184 | | |
| TPD11201 | 11/05/01 | 192 | 0.4 | 0 |
| TPD21301 | 12/06/01 | 200 | | |
| TPD31301 | 01/09/02 | 196 | | |
| TPD41301 | 02/06/02 | 195 | | |
| TPD51201 | 03/04/02 | 205 | | |
| TPD61301 | 04/01/02 | 212 | | |
| PD501301 | 04/29/02 | 208 | 0.53 | 0.02 |
| PD601301 | 06/03/02 | 209 | | |
| PD701301 | 07/08/02 | 202 | | |
| PD801301 | 08/06/02 | 212 | | |
| PD901301 | 09/09/02 | 217 | | |
| PD101201 | 10/07/02 | 213 | | |

**TAN-27**

| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
|---|---|---|---|---|
| 1PO16501 | 08/06/01 | 190.4 | | |
| 1PO18001 | 09/10/01 | 183 | | |
| TPD00501 | 10/08/01 | 185 | | |
| TPD00502 | 10/08/01 | 185 | | |
| TPD10501 | 11/05/01 | 176 | 0.34 | 0 |
| TPD20501 | 12/06/01 | 186 | | |
| TPD20502 | 12/06/01 | 192 | | |
| TPD30501 | 01/09/02 | 194 | | |
| TPD30502 | 01/09/02 | 190 | | |
| TPD40501 | 02/06/02 | 201 | | |
| TPD50501 | 03/04/02 | 199 | | |
| TPD50502 | 03/04/02 | 203 | | |
| TPD60501 | 04/04/02 | 205 | | |
| TPD60502 | 04/04/02 | 202 | | |
| PD500501 | 04/29/02 | 199 | 0.58 | 0.05 |
| PD600501 | 06/03/02 | 201 | | |
| PD600502 | 06/03/02 | 200 | | |
| PD700501 | 07/08/02 | 206 | | |
| PD800501 | 08/06/02 | 220 | | |
| PD900501 | 09/09/02 | 199 | | |
| PD900502 | 09/09/02 | 201 | | |
| PD10040 | 10/07/02 | 206 | | |

Bioactivity indicators and nutrients in TAN-D2 and -29

| TAN-D2 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO15801 | 08/07/01 | 328 | | |
| 1PO17301 | 09/10/01 | 359 | | |
| TPD01301 | 10/08/01 | 291 | | |
| TPD11301 | 11/05/01 | 296 | 0.52 | 1.86 |
| TPD21401 | 12/04/01 | 324 | | |
| TPD31401 | 01/08/02 | 323 | | |
| TPD41401 | 02/05/02 | 362 | | |
| TPD51301 | 03/04/02 | 343 | | |
| TPD61401 | 04/02/02 | 598 | | |
| TPD61401 | 04/02/02 | 584 | | |
| PD501401 | 04/30/02 | 382 | 0.35 | 0.2 |
| PD601401 | 06/04/02 | 370 | | |
| PD701401 | 07/09/02 | 384 | | |
| PD801401 | 08/06/02 | 545 | | |
| PD901401 | 09/09/02 | 540 | | |
| PD101301 | 10/07/02 | 628 | | |

| TAN-29 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Alkalinity (mg/L) | Phosphate (mg/L) | Ammonia (mg/L) |
| 1PO16301 | 08/06/01 | 204.8 | | |
| 1PO17801 | 09/10/01 | 199 | | |
| 1PO17802 | 09/10/01 | 203 | | |
| TPD00701 | 10/08/01 | 211 | | |
| TPD10701 | 11/05/01 | 215 | 0.43 | 0.59 |
| TPD20701 | 12/05/01 | 223 | | |
| TPD30701 | 01/09/02 | 220 | | |
| TPD40701 | 02/04/02 | 221 | | |
| TPD50701 | 03/05/02 | 221 | | |
| TPD60701 | 04/01/02 | 212 | | |
| PD500701 | 04/29/02 | 212 | 0.40 | 0.44 |
| PD600701 | 06/03/02 | 184 | | |
| PD700701 | 07/09/02 | 184 | | |
| PD800701 | 08/08/02 | 184 | | |
| PD900701 | 09/09/02 | 180 | | |
| PD100601 | 10/07/02 | 233 | | |

Alkalinity and Nitrogen as Ammonia duplicate data

| Alkalinity | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % | Notes |
| 1PO156 | 08/06/01 | TAN-26 | 1432 | 1480 | 3 | |
| 1PO178 | 09/10/01 | TAN-29 | 199 | 203 | 2 | |
| TPD005 | 10/08/01 | TAN-27 | 185 | 185 | 0 | |
| TPD103 | 11/06/01 | TAN-25 | 2840 | 2790 | 2 | |
| 37B101 | 11/19/01 | TAN-37B | 372 | 378 | 2 | |
| TPD205 | 12/06/01 | TAN-27 | 186 | 192 | 3 | |
| TPD305 | 01/09/02 | TAN-27 | 194 | 190 | 2 | |
| TPD409 | 02/05/02 | TAN-31 | 1060 | 1070 | 1 | |
| TPD505 | 03/04/02 | TAN-27 | 199 | 203 | 2 | |
| TPD605 | 04/04/02 | TAN-27 | 205 | 202 | 1 | |
| PD5006 | 04/29/02 | TAN-28 | 285 | 286 | 0 | |
| PD6005 | 06/03/02 | TAN-27 | 201 | 200 | 0 | |
| PD7002 | 07/09/02 | TSF-05B | 4040 | 3930 | 3 | |
| PD8004 | 08/06/02 | TAN-26 | 1958 | 1995 | 2 | |
| PD9005 | 09/09/02 | TAN-27 | 199 | 201 | 1 | |
| PD1004 | 10/07/02 | TAN-27 | 206 | 206 | 0 | |

Detection Limit = 100 mg/L

| $NH_3$-N | | | | | | |
|---|---|---|---|---|---|---|
| ,SampleID | Date | Well | Value 1 | Value 2 | RPD % | Notes |
| TPD103 | 11/06/01 | TAN-25 | 0.02 | 0.02 | 0 | |
| PD5006 | 04/29/02 | TAN-28 | 0.72 | 0.78 | 8 | |

Detection Limit = 0.08 mg/L

Iron and Sulfate duplicate data

| IFE II | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % | Notes |
| 1PO156 | 08/06/01 | TAN-26 | 3 | 3 | NA | |
| 1PO178 | 09/10/01 | TAN-29 | 0.03 | 0.01 | NA | |
| TPD005 | 10/08/01 | TAN-27 | 0.02 | 0.02 | NA | |
| TPD103 | 11/06/01 | TAN-25 | 3 | 3 | NA | |
| 37B101 | 11/19/01 | TAN-37B | 1.34 | 1.31 | 2 | |
| TPD205 | 12/06/01 | TAN-27 | 0 | 0 | NA | |
| TPD305 | 01/09/02 | TAN-27 | 0 | 0 | NA | |
| TPD409 | 02/05/02 | TAN-31 | 3 | 3 | NA | |
| TPD505 | 03/04/02 | TAN-27 | 0 | 0 | NA | |
| TPD605 | 04/04/02 | TAN-27 | 0.03 | 0.02 | NA | |
| PD5006 | 04/29/02 | TAN-28 | 0.01 | 0 | NA | |
| PD6005 | 06/03/02 | TAN-27 | 0.01 | 0.01 | NA | |
| PD7002 | 07/09/02 | TSF-05B | >3 | >3 | NA | |
| PD8004 | 08/06/02 | TAN-26 | 2.02 | 2.75 | 31 | |
| PD9005 | 09/09/02 | TAN-27 | 0.01 | 0.01 | NA | |
| PD1004 | 10/07/02 | TAN-27 | 0.01 | 0 | NA | |

Detection Limit = 0.03 mg/L

**NOTE:** Calibration range is 0-3 mg/L.

| $SO_4^{2-}$ | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Well | Value 1 | Value 2 | RPD % | Notes |
| 1PO156 | 08/06/01 | TAN-26 | 0 | 0 | NA | |
| 1PO178 | 09/10/01 | TAN-29 | 40 | 41 | 2 | |
| TPD005 | 10/08/01 | TAN-27 | 42 | 41 | 2 | |
| TPD103 | 11/06/01 | TAN-25 | 0 | 0 | NA | |
| 37B101 | 11/19/01 | TAN-37B | 25 | 24 | 4 | |
| TPD205 | 12/06/01 | TAN-27 | 41 | 38 | 8 | |
| TPD305 | 01/09/02 | TAN-27 | 48 | 47 | 2 | |
| TPD409 | 02/05/02 | TAN-31 | 0 | 0 | NA | |
| TPD505 | 03/04/02 | TAN-27 | 43 | 45 | 5 | |
| TPD605 | 04/04/02 | TAN-27 | 41 | 42 | 2 | |
| PD5006 | 04/29/02 | TAN-28 | 42 | 39 | 7 | |
| PD6005 | 06/03/02 | TAN-27 | 42 | 44 | 5 | |
| PD7002 | 07/09/02 | TSF-05B | 0 | 0 | NA | |
| PD8004 | 08/06/02 | TAN-26 | 0 | 0 | NA | |
| PD9005 | 09/09/02 | TAN-27 | 40 | 40 | 0 | |
| PD1004 | 10/07/02 | TAN-27 | 42 | 41 | 2 | |

Detection Limit = 4 mg/L

COD and Phosphate duplicate data

| COD | | | | | | |
|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value 2** | **RPD %** | **Notes** |
| 1PO156 | 08/06/01 | TAN-26 | 7 | 31 | NA | |
| 1PO178 | 09/10/01 | TAN-29 | 4 | 15 | NA | |
| TPD005 | 10/08/01 | TAN-27 | 21 | 1 | NA | |
| TPD103 | 11/06/01 | TAN-25 | 2772 | 2790 | 1 | |
| 37B101 | 11/19/01 | TAN-37B | 0 | 0 | NA | |
| TPD409 | 02/05/02 | TAN-31 | 5 | 20 | 120 | |
| TPD505 | 03/04/02 | TAN-27 | 0 | 0 | NA | |
| TPD605 | 04/04/02 | TAN-27 | 13 | 10 | 26 | |
| PD5006 | 04/29/02 | TAN-28 | 0 | 16 | 200 | |
| PD6005 | 06/03/02 | TAN-27 | 21 | 33 | 44 | |
| PD7002 | 07/09/02 | TSF-05B | 8811 | 8676 | 2 | Unofficial - See logbook for details |
| PD8004 | 08/06/02 | TAN-26 | 13 | 13 | 0 | |
| PD9005 | 09/09/02 | TAN-26 | 57 | 25 | 78 | |
| PD1004 | 10/07/02 | TAN-27 | 18 | 12 | NA | |

ND = <14 mg/L

| $PO_4^{3-}$ | | | | | | |
|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Well** | **Value 1** | **Value2** | **RPD %** | **Notes** |
| TPD103 | 11/06/01 | TAN-25 | 2.75 | 2.75 | 0 | |
| PD5006 | 04/29/02 | TAN-28 | 0.44 | 0.5 | 13 | |

COD standards data

| COD Standards | | | | |
|---|---|---|---|---|
| Analysis date | Sample Date | Standard COD (mg/L) | Observed COD (mg/L) | Recovery (%) |
| 08/09/01 | 08/07/01 | 800 | 874 | 109 |
| 09/12/01 | 09/10/01 | 800 | 780 | 98 |
| 10/11/01 | 10/10/01 | 800 | 764 | 96 |
| 11/07/01 | 11/05/01 | 800 | 752 | 94 |
| 11/19/01 | 11/19/01 | 800 | 771 | 96 |
| 12/06/01 | 12/03/01 | 800 | 816 | 102 |
| 01/10/02 | 01/09/02 | 800 | 658 | 82 |
| 02/11/02 | 02/06/02 | 800 | 685 | 86 |
| 03/12/02 | 03/06/02 | 800 | 672 | 84 |
| 04/04/02 | 04/02/02 | 800 | 795 | 99 |
| 04/04/02 | 04/02/02 | 800 | 808 | 101 |
| 04/04/02 | 04/02/02 | 800 | 667 | 83 |
| 04/04/02 | 04/02/02 | 800 | 699 | 87 |
| 04/17/02 | 04/17/02 | 800 | 798 | 100 |
| 04/17/02 | 04/17/02 | 800 | 833 | 104 |
| 04/17/02 | 04/17/02 | 800 | 882 | 110 |
| 05/02/02 | 04/30/02 | 800 | 832 | 104 |
| 05/02/02 | 05/02/02 | 800 | 850 | 106 |
| 06/05/02 | 06/05/02 | 800 | 780 | 98 |
| 07/10/02 | 07/10/02 | 800 | 866 | 108 |
| 07/10/02 | 07/10/02 | 800 | 808 | 101 |
| 08/07/02 | 08/05/02 | 800 | 840 | 105 |
| 09/11/02 | 09/11/02 | 800 | 771 | 96 |
| 10/09/02 | 10/09/02 | 800 | 847 | 106 |

Sulfate standards data

| Sulfate Standards | | | |
|---|---|---|---|
| Standard Date | Standard Sulfate (mg/L) | Observed Sulfate (mg/L) | Recovery (%) |
| 04/01/02 | 50 | 53 | 106 |
| 04/01/02 | 50 | 51 | 102 |
| 04/02/02 | 50 | 61 | 122 |
| 04/02/02 | 50 | 58 | 116 |
| 04/02/02 | 50 | 61 | 122 |
| 04/02/02 | 50 | 59 | 118 |
| 04/03/02 | 50 | 64 | 128 |
| 04/03/02 | 50 | 63 | 126 |
| 04/03/02 | 50 | 63 | 126 |
| 04/03/02 | 50 | 61 | 122 |
| 04/03/02 | 50 | 62 | 124 |
| 04/17/02 | 50 | 63 | 126 |
| 04/17/02 | 50 | 62 | 124 |
| 04/29/02 | 50 | 64 | 128 |
| 04/30/02 | 50 | 62 | 124 |
| 04/30/02 | 50 | 63 | 126 |
| 05/01/02 | 50 | 63 | 126 |
| 05/01/02 | 50 | 63 | 126 |
| 06/03/02 | 50 | 62 | 124 |
| 06/03/02 | 50 | 61 | 122 |
| 07/08/02 | 50 | 55 | 110 |
| 07/09/02 | 50 | 55 | 110 |
| 07/10/02 | 40 | 43 | 108 |
| 07/10/02 | 40 | 42 | 105 |
| 08/05/02 | 50 | 54 | 108 |
| 08/06/02 | 50 | 55 | 110 |
| 10/07/02 | 50 | 58 | 116 |
| 10/08/02 | 50 | 49 | 98 |
| 10/09/02 | 50 | 47 | 94 |

Iron, Phosphate, and Ammonia standards data

| Iron Standards | | | |
|---|---|---|---|
| Standard Date | Standard Iron (mg/L) | Observed Iron (mg/L) | Recovery (%) |
| 04/01/02 | 1.00 | 0.90 | 90 |
| 04/02/02 | 1.00 | 0.87 | 87 |
| 04/02/02 | 1.00 | 0.88 | 88 |
| 04/02/02 | 1.00 | 0.89 | 89 |
| 04/02/02 | 1.00 | 1.40 | 140 |
| 04/03/02 | 1.00 | 0.86 | 86 |
| 04/03/02 | 1.00 | 0.87 | 87 |
| 04/03/02 | 1.00 | 1.10 | 110 |
| 04/17/02 | 1.00 | 0.67 | 67 |
| 04/29/02 | 1.00 | 0.82 | 82 |
| 04/30/02 | 1.00 | 0.78 | 78 |
| 05/01/02 | 1.00 | 0.78 | 78 |
| 06/03/02 | 1.00 | 0.86 | 86 |
| 06/04/02 | 1.00 | 0.66 | 66 |
| 07/08/02 | 1.00 | 0.76 | 76 |
| 07/09/02 | 1.00 | 0.77 | 77 |
| 07/10/02 | 1.00 | 0.76 | 76 |

| | | | |
|---|---|---|---|
| Standard Date | Standard Phosphate (mg/L) | Observed Phosphate (mg/L) | Recovery (%) |
| 04/29/02 | 2.00 | 2.44 | 122 |
| 04/29/02 | 2.00 | 2.40 | 120 |
| 04/30/02 | 2.00 | 2.05 | 103 |
| 04/30/02 | 2.00 | 2.10 | 105 |
| 05/01/02 | 2.00 | 2.11 | 106 |
| 05/01/02 | 2.00 | 2.04 | 102 |

| Ammonia Standards | | | |
|---|---|---|---|
| (Standard Date | Standard Ammonia (mg/L) | (Observed Ammonia (mg/L) | Recovery (%) |
| 04/29/02 | 1.00 | 1.03 | 103 |
| 04/30/02 | 1.00 | 1.04 | 104 |
| 04/30/02 | 5.00 | 2.00 | 40 |
| 05/01/02 | 1.00 | 1.12 | 112 |

Sulfate, Phosphate, and Ammonia standard additions

**Sulfate Standard Additions**

| Sample ID | Standard Date | Standard addition number | Standard concentration (mg/L) | Added volume (mL) | Sample Concentration (mg/L) | Actual concentration | Observed concentration (mg/L) | Recovery (%) |
|---|---|---|---|---|---|---|---|---|
| PD701301 | 07/08/02 | 1 | 1000 | 0.1 | 39 | 44 | 55 | 12 |
| | | 2 | | 0.2 | | 49 | 62 | 12 |
| | | 3 | | 0.3 | | 54 | 64 | 11 |
| PD701301 | 07/08/02 | 1 | 1000 | 0.1 | 45 | 50 | 47 | 9 |
| | | 2 | | 0.2 | | 55 | 48 | 8 |
| | | 3 | | 0.3 | | 60 | 48 | 8 |
| PD100301 | 10/09/02 | 1 | 1000 | 0.1 | 0 | 10 | 0 | |
| | | 2 | | 0.2 | | 20 | 0 | |
| | | 3 | | 0.3 | | 30 | 0 | |

| Sample ID | Standard Date | Standard addition number | Sample concentration (mg/L) | Standard concentration (mg/L) | Volume Standard (mL) | Theoretical concentration | Observed concentration | Recovery (%) |
|---|---|---|---|---|---|---|---|---|
| PD500801 | 04/29/02 | 1 | 0.33 | | 0.1 | 0.43 | 0.51 | 119 |
| | | 2 | | | 0.2 | 0.53 | 0.83 | 157 |
| | | 3 | | | 0.3 | 0.63 | 0.89 | 141 |

**Ammonia Standard Additions**

| Sample ID | Standard Date | Standard addition number | Sample concentration (mg/L) | Standard concentration (mg/L) | Volume Standard (mg/L) | Theoretical concentration | Observed concentration | Recovery (%) | |
|---|---|---|---|---|---|---|---|---|---|
| PD500801 | 04/29/02 | 1 | 0.25 | 50 | 0.1 | 0.45 | 0.43 | 96 | Low range |
| | | 2 | | | 0.2 | 0.65 | 0.64 | 98 | |
| | | 3 | | | 0.3 | 0.85 | 0.85 | 100 | |

Alkalinity standard additions

| Alkalinity Standards | Low Range | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Standard Date | Titration Range (mg/L) | Standard addition number | Sample Alkalinity (mg/L) | Standard Concentration (N) | Titrant Concentration (N) | Volume Standard (mL) | Theoretical endpoint (digits of titrant added) | Observed endpoint (digits of titrant added) | Recovery (%) |
| TPD60601A1 | 04/01/02 | 100 - 400 | | 297 | | | | | | |
| TPD60601A1 | 04/01/02 | | 1 | | 0.5 | 1.6 | 0.1 | 25 | 22 | 88 |
| TPD60601A1 | 04/01/02 | | 2 | | 0.5 | 1.6 | 0.2 | 50 | 49 | 98 |
| TPD60601A1 | 04/01/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 23 | 92 |
| TPD60701A1 | 04/01/02 | 100 - 400 | | 212 | | | | | | |
| TPD60701A1 | 04/01/02 | | 1 | | 0.5 | 1.6 | 0.1 | 25 | 23 | 92 |
| TPD60701A1 | 04/01/02 | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 22 | 88 |
| TPD60701A1 | 04/01/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 24 | 96 |
| TPD61001A1 | 04/03/02 | 100 - 400 | | 334 | | | | | | |
| TPD61001A1 | 04/03/02 | | 1 | | 0.5 | 1.6 | 0.1 | 25 | 26 | 104 |
| TPD61001A1 | 04/03/02 | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 24 | 96 |
| TPD61001A1 | 04/03/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 26 | 104 |
| Unknown | 04/17/02 | Unknown | 1 | 348 | 0.5 | 1.6 | 0.1 | 25 | 27 | 108 |
| Unknown | 04/17/02 | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 27 | 108 |
| Unknown | 04/17/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 23 | 92 |
| PD500801 | 04/29/02 | 100 - 400 | 1 | 316 | 0.5 | 1.6 | 0.1 | 25 | 25.5 | 102 |
| PD500801 | 04/29/02 | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 33 | 132 |
| PD500801 | 04/29/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 22 | 88 |
| PD601301 | 06/03/02 | 100 - 400 | 1 | 209 | 0.5 | 1.6 | 0.1 | 25 | 24 | 96 |
| PD601301 | 06/03/02 | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 32 | 128 |
| PD601301 | 06/03/02 | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 25 | 100 |
| PD701301 | 07/08/02 | 100 - 400 | 1 | 208 | 0.5 | 1.6 | 0.1 | 25 | 24 | 96 |
| | | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 25 | 100 |
| | | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 23 | 92 |
| PD100301 | 10/07/02 | 10004000 | 1 | 2360 | 0.5 | 1.6 | 0.1 | 25 | 32 | 128 |
| | | | 2 | | 0.5 | 1.6 | 0.1 | 25 | 29 | 116 |
| | | | 3 | | 0.5 | 1.6 | 0.1 | 25 | 18 | 72 |

Tritium data for TSF-05A and -05B

| TSF-05A | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA |
| 1PO15301 | 08/07/01 | 1340 | 2670 | 194 | 327 |
| 1PO16801 | 09/11/01 | 1055 | 4860 | 145 | 263 |
| TPD00101 | 10/08/01 | 1426 | 1740 | 125 | 334 |
| TPD10101 | 11/06/01 | 1025 | 3510 | 145 | 313 |
| TPD20101 | 12/03/01 | 1020 | 2810 | 178 | 300 |
| TPD30101 | 01/07/02 | 1449 | 4330 | 153 | 187 |
| TPD40101 | 02/04/02 | 1513 | 2770 | 177 | 288 |
| TPD50101 | 03/04/02 | 1407 | 2970 | 151 | 241 |
| TPD60101 | 04/01/02 | 1328 | 2900 | 132 | 310 |
| PD500101 | 04/30/02 | 1104 | 3930 | 150 | 313 |
| PD600101 | 06/03/02 | 1345 | 3200 | 201 | 351 |
| PD700101 | 07/08/02 | 1244 | 4230 | 230 | 474 |
| PD800101 | 08/05/02 | 849 | 3740 | 213 | 350 |
| PD900101 | 09/09/02 | 1007 | 3600 | 129 | 265 |
| PD100001 | 10/07/02 | 1249 | 3060 | 140 | 320 |

| TSF-05B | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA |
| 1PO15401 | 08/07/01 | 1245 | 5680 | 344 | 345 |
| 1PO16901 | 09/12/01 | 825 | 3560 | 131 | 270 |
| TPD00201 | 10/10/01 | 1114 | 4650 | 166 | 346 |
| TPD10201 | 11/07/01 | 900 | 3530 | 146 | 315 |
| TPD20201 | 12/04/01 | 1000 | 3780 | 203 | 304 |
| TPD30201 | 01/08/02 | 1456 | 3240 | 134 | 188 |
| TPD40201 | 02/05/02 | 954 | 4030 | 210 | 294 |
| Not sampled during March 2002 due to inoperable pump. | | | | | |
| TPD60201 | 04/02/02 | 1049 | 2170 | 122 | 310 |
| PD500201 | 05/01/02 | 1330 | 5990 | 187 | 348 |
| PD600201 | 06/04/02 | 835 | 4440 | 227 | 346 |
| PD700201 | 07/09/02 | 1042 | 3430 | 215 | 473 |
| PD700202 | 07/09/02 | 1042 | 3700 | 217 | 465 |
| PD800201 | 08/06/02 | 857 | 2710 | 187 | 348 |
| PD900201 | 09/09/02 | 1519 | 4140 | 140 | 280 |
| PD100101 | 10/08/02 | 1105 | 2470 | 136 | 332 |

Tritium data for TAN-25 and -31

| TAN-25 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA |
| 1PO15501 | 08/07/01 | 1037 | 2990 | 210 | 333 |
| 1PO17001 | 09/11/01 | 1222 | 2670 | 127 | 292 |
| TPD00301 | 10/10/01 | 1042 | 2340 | 135 | 339 |
| TPD10301 | 11/06/01 | 1225 | 2430 | 128 | 305 |
| TPD10302 | 11/06/01 | 1225 | 2370 | 130 | 315 |
| TPD20301 | 12/04/01 | 1050 | 2430 | 167 | 297 |
| TPD30301 | 01/08/02 | 1428 | 2450 | 119 | 187 |
| TPD40301 | 02/05/02 | 1211 | 2990 | 193 | 317 |
| TPD50301 | 03/05/02 | 1250 | 2650 | 129 | 228 |
| TPD60301 | 04/02/02 | 1026 | 1590 | 119 | 323 |
| PD500301 | 04/30/02 | 1030 | 2700 | 146 | 353 |
| PD600301 | 06/04/02 | 930 | 3400 | 195 | 323 |
| PD700301 | 07/09/02 | 1015 | 2930 | 204 | 469 |
| PD800301 | 08/05/02 | 1438 | 2270 | 174 | 344 |
| PD900301 | 09/09/02 | 1145 | 3560 | 128 | 263 |
| PD100201 | 10/08/02 | 937 | 2440 | 135 | 330 |

| TAN-31 | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA |
| 1PO15701 | 08/08/01 | 912 | 1750 | 156 | 338 |
| 1PO17201 | 09/11/01 | 1300 | 1690 | 107 | 272 |
| TPD00901 | 10/10/01 | 1243 | 1240 | 122 | 346 |
| TPD10901 | 11/06/01 | 1340 | 1740 | 121 | 316 |
| TPD20901 | 12/03/01 | 1508 | 1200 | 131 | 297 |
| TPD30901 | 01/08/02 | 1211 | 1650 | 103 | 190 |
| TPD40901 | 02/05/02 | 1339 | 1350 | 134 | 284 |
| TPD40902 | 02/02/02 | 1339 | 1270 | 132 | 283 |
| TPD50901 | 03/05/02 | 1341 | 1190 | 101 | 235 |
| TPD60901 | 04/03/02 | 930 | 1740 | 146 | 273 |
| PD500901 | 04/30/02 | 1324 | 1460 | 125 | 341 |
| PD600901 | 06/04/02 | 1254 | 1260 | 139 | 325 |
| PD700901 | 07/09/02 | 1320 | 1370 | 171 | 469 |
| PD800901 | 08/05/02 | 1343 | 1550 | 155 | 348 |
| PD900901 | 09/09/02 | 1236 | 1540 | 109 | 286 |
| PD100801 | 10/08/02 | 1238 | 2270 | 133 | 331 |

Tritium **data** for **TAN-26 and -37C**

| TAN-26 | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Time** | **H-3 (pCi/L)** | **+/-** | **MDA** |
| 1PO15601 | 08/06/01 | 1623 | 2570 | 190 | 328 |
| 1PO15602 | 08/06/01 | 1623 | 2590 | 193 | 340 |
| 1PO17101 | 09/11/01 | 956 | 2490 | 124 | 291 |
| TPD00401 | 10/08/01 | 1546 | 2110 | 133 | 344 |
| TPD10401 | 11/06/01 | 908 | 2600 | 131 | 307 |
| TPD20401 | 12/04/01 | 1404 | 2150 | 160 | 299 |
| TPD30401 | 01/08/02 | 1334 | 2650 | 123 | 188 |
| TPD40401 | 02/05/02 | 1122 | 2270 | 165 | 293 |
| TPD50401 | 03/05/02 | 1202 | 3430 | 184 | 306 |
| TPD60401 | 04/02/02 | 948 | 1520 | 115 | 312 |
| PD500401 | 04/30/02 | 939 | 2330 | 137 | 341 |
| PD600401 | 06/04/02 | 1033 | 2480 | 177 | 336 |
| PD700401 | 07/09/02 | 930 | 2290 | 192 | 473 |
| PD800401 | 08/05/02 | 846 | 2490 | 183 | 353 |
| PD800402 | 08/05/02 | 846 | 2520 | 186 | 357 |
| PD900401 | 09/09/02 | 1433 | 2210 | 118 | 288 |
| PD100301 | 10/08/02 | 1040 | 2550 | 137 | 332 |

| TAN-37C | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Time** | **H-3 (pCi/L)** | **+/-** | **MDA** |
| 1PO16001 | 08/08/01 | 1102 | 2690 | 196 | 332 |
| 1PO17501 | 09/11/01 | 1421 | 2480 | 124 | 293 |
| TPD01101 | 10/10/01 | 930 | 2090 | 133 | 344 |
| TPD11101 | 11/06/01 | 1454 | 2690 | 122 | 273 |
| TPD21201 | 12/03/01 | 1351 | 2770 | 176 | 298 |
| TPD31201 | 01/09/02 | 1539 | 2780 | 125 | 188 |
| TPD41201 | 02/06/02 | 1352 | 2770 | 172 | 262 |
| TPD51101 | 03/05/02 | 1456 | 2460 | 128 | 235 |
| TPD61201 | 04/03/02 | 930 | 2500 | 170 | 278 |
| PD501201 | 04/30/02 | 1000 | 1870 | 119 | 303 |
| PD601201 | 06/04/02 | 1441 | 2310 | 177 | 347 |
| PD701201 | 07/10/02 | 1006 | 2270 | 189 | 465 |
| PD801201 | 08/05/02 | 1204 | 2520 | 178 | 335 |
| PD901201 | 09/09/02 | 1430 | 2350 | 120 | 287 |
| PD101101 | 10/08/02 | 1431 | 2810 | 140 | 332 |

Tritium data for TAN-37A and -37B

| TAN-37A | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA | Flag |
| 1PO15901 | 08/08/01 | 1140 | 3540 | 238 | 340 | |
| 1PO17401 | 09/11/01 | 1340 | 3720 | 139 | 289 | |
| TPD01001 | 10/10/01 | 950 | 2960 | 144 | 340 | |
| TPD11001 | 11/06/01 | 1514 | 2980 | 138 | 313 | |
| TPD21001 | 12/03/01 | 1128 | 133000 | 1510 | 297 | |
| TPD31001 | 01/07/02 | 1218 | 3360 | 136 | 187 | R |
| TPD41001 | 02/06/02 | 1426 | 2970 | 178 | 264 | |
| TPD51001 | 03/05/02 | 1516 | 2840 | 133 | 230 | |
| TPD61001 | 04/03/02 | 1007 | 3210 | 182 | 260 | |
| PD501001 | 05/01/02 | 1100 | 2420 | 134 | 326 | |
| PD601001 | 06/04/02 | 1330 | 2900 | 189 | 338 | |
| PD701001 | 07/10/02 | 1044 | 3580 | 216 | 468 | |
| PD801001 | 08/05/02 | 1047 | 4520 | 231 | 352 | |
| PD901001 | 09/09/02 | 1303 | 4490 | 146 | 285 | |
| PD100901 | 10/08/02 | 1333 | 2940 | 143 | 336 | |

| TAN-37B | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA | Flag |
| TPD21101 | 12/10/01 | 1059 | 2650 | 175 | 302 | |
| TPD31101 | 01/07/02 | 1408 | 3040 | 130 | 188 | |
| TPD41101 | 02/06/02 | 1510 | 3500 | 188 | 259 | |
| TPD51601 | 03/06/02 | 927 | 2810 | 133 | 230 | |
| TPD61101 | 04/03/02 | 950 | 3170 | 191 | 284 | |
| PD501101 | 04/30/02 | 1025 | 2290 | 127 | 309 | |
| PD601101 | 06/04/02 | 1345 | 2840 | 185 | 332 | |
| PD701101 | 07/10/02 | 1027 | 4170 | 229 | 475 | |
| PD801101 | 08/05/02 | 1107 | 4170 | 221 | 346 | |
| PD901101 | 09/09/02 | 1330 | 4390 | 147 | 292 | |
| PD101001 | 10/08/02 | 1315 | 2760 | 139 | 329 | |

**R = Lab Error. Lab re-ran sample.**

Tritium data for **TAN-28** and **-30A**

| TAN-28 | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Time** | **H-3 (pCi/L)** | **+/-** | **MDA** |
| 1PO16101 | 08/06/01 | 1116 | 4650 | 293 | 341 |
| 1PO17601 | 09/10/01 | 1103 | 4440 | 150 | 294 |
| TPD00601 | 10/08/01 | 1030 | 4280 | 155 | 324 |
| TPD10601 | 11/05/01 | 1029 | 4870 | 155 | 290 |
| TPD20601 | 12/05/01 | 929 | 4360 | 217 | 308 |
| TPD30601 | 01/09/02 | 943 | 5100 | 166 | 191 |
| TPD40601 | 02/04/02 | 1113 | 3880 | 204 | 289 |
| TPD50601 | 03/04/02 | 1533 | 4920 | 187 | 240 |
| TPD60601 | 04/01/02 | 1408 | 3890 | 167 | 383 |
| PD500601 | 04/29/02 | 1352 | 4130 | 157 | 326 |
| PD500602 | 04/29/02 | 1352 | 4280 | 168 | 355 |
| PD600601 | 06/03/02 | 1442 | 4680 | 231 | 343 |
| PD700601 | 07/08/02 | 1329 | 5200 | 245 | 467 |
| PD800601 | 08/05/02 | 1111 | 5180 | 245 | 353 |
| PD900601 | 09/09/02 | 1211 | 5020 | 154 | 291 |
| PD100501 | 10/07/02 | 1041 | 4850 | 165 | 328 |

| TAN-30A | | | | | |
|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Time** | **H-3 (pCi/L)** | **+/-** | **MDA** |
| 1PO16201 | 08/06/01 | 1024 | 3660 | 244 | 342 |
| 1PO17701 | 09/10/01 | 1021 | 3270 | 130 | 277 |
| TPD00801 | 10/08/01 | 959 | 3320 | 144 | 327 |
| TPD10801 | 11/11/01 | 941 | 3310 | 134 | 288 |
| TPD20801 | 12/05/01 | 905 | 2920 | 182 | 303 |
| TPD30801 | 01/09/02 | 1028 | 3400 | 138 | 190 |
| TPD40801 | 02/04/02 | 1205 | 3240 | 190 | 291 |
| TPD50801 | 03/05/02 | 855 | 3410 | 163 | 248 |
| TPD60801 | 04/01/02 | 1436 | 2550 | 140 | 350 |
| PD500801 | 04/29/02 | 1433 | 2990 | 144 | 333 |
| PD600801 | 06/03/02 | 1512 | 3260 | 200 | 346 |
| PD700801 | 07/08/02 | 1400 | 3210 | 208 | 466 |
| PD800801 | 08/05/02 | 1339 | 3000 | 195 | 350 |
| PD900801 | 09/09/02 | 1238 | 3080 | 123 | 268 |
| PD100701 | 10/07/02 | 1010 | 3110 | 134 | 298 |

Tritium data for TAN-10A and -27

| TAN10A | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDC | Flag |
| 1PO16401 | 08/06/01 | 1356 | 433 | 107 | 336 | |
| 1PO17901 | 09/10/01 | 1339 | 424 | 91 | 284 | |
| TPD01201 | 10/08/01 | 1350 | 145 | 106 | 349 | U |
| TPD11201 | 11/11/01 | 1313 | 478 | 90 | 278 | |
| TPD21301 | 12/06/01 | 1056 | 479 | 109 | 310 | |
| TPD31301 | 01/09/02 | 1415 | 508 | 72 | 188 | |
| TPD41301 | 02/06/02 | 1140 | 514 | 98 | 262 | |
| TPD51201 | 03/04/02 | 1230 | 511 | 88.9 | 245 | |
| TPD61301 | 04/01/02 | 1005 | 267 | 109 | 355 | UJ |
| PD501301 | 04/29/02 | 1056 | 324 | 107 | 344 | |
| PD601301 | 06/03/02 | 1121 | 296 | 109 | 339 | UJ |
| PD701301 | 07/08/02 | 1101 | 502 | 126 | 326 | |
| PD801301 | 08/05/02 | 930 | 169 | 108 | 356 | U |
| PD901301 | 09/09/02 | 1112 | 445 | 86.9 | 269 | |
| PD101201 | 10/07/02 | 1446 | 449 | 106 | 334 | |

| TAN-27 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDC | Flag |
| 1PO16501 | 08/06/01 | 1449 | 802 | 119 | 339 | |
| 1PO18001 | 09/10/01 | 1431 | 868 | 100 | 289 | |
| TPD00501 | 10/08/01 | 1448 | 414 | 113 | 359 | |
| TPD00502 | 10/08/01 | 1448 | 409 | 112 | 356 | |
| TPD10501 | 11/11/01 | 1403 | 672 | 89 | 261 | |
| TPD20501 | 12/06/01 | 953 | 809 | 120 | 304 | |
| TPD20502 | 12/06/01 | 953 | 624 | 112 | 303 | |
| TPD30501 | 01/09/02 | 1314 | 1030 | 86 | 185 | |
| TPD30502 | 01/09/02 | 1314 | 999 | 87 | 190 | |
| TPD40501 | 02/06/02 | 1034 | 834 | 110 | 258 | |
| TPD50501 | 03/04/02 | 1043 | 1290 | 141 | 336 | |
| TPD50502 | 03/04/02 | 1043 | 970 | 102 | 238 | |
| TPD60501 | 04/01/02 | 1158 | 479 | 116 | 367 | |
| TPD60502 | 04/01/02 | 1158 | 471 | 117 | 369 | |
| PD500501 | 04/29/02 | 1003 | 749 | 107 | 320 | |
| PD600501 | 06/03/02 | 1026 | 651 | 123 | 342 | |
| PD600502 | 06/03/02 | 1026 | 776 | 127 | 337 | |
| PD700501 | 07/08/02 | 1011 | 1070 | 166 | 477 | |
| PD800501 | 08/05/02 | 840 | 472 | 119 | 350 | |
| PD900501 | 09/09/02 | 1016 | 665 | 91.1 | 271 | |
| PD900502 | 09/09/02 | 1016 | 797 | 92.8 | 271 | |
| PD100401 | 10/07/02 | 1354 | 802 | 112 | 333 | |
| PD100402 | 10/07/02 | 1354 | 728 | 111 | 334 | |

U = No Radioactivity Detected

J = Estimated Value

Tritium data for TAN-D2 and -29

| TAN-D2 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDC | Flag |
| 1PO15801 | 08/07/01 | 908 | 505 | 110 | 338 | |
| 1PO17301 | 09/10/01 | 1530 | 292 | 89 | 285 | |
| TPD01301 | 10/08/01 | 1214 | 86 | 96 | 320 | U |
| TPD11301 | 11/11/01 | 1505 | 232 | 87 | 280 | UJ |
| TPD21401 | 12/04/01 | 1454 | 522 | 109 | 304 | |
| TPD31401 | 01/08/02 | 1550 | 485 | 71 | 189 | |
| TPD41401 | 02/05/02 | 1451 | 288 | 94.5 | 287 | |
| TPD51301 | 03/04/02 | 1500 | 292 | 80.1 | 241 | |
| TPD61401 | 04/02/02 | 1403 | 510 | 102 | 274 | |
| PD501401 | 04/30/02 | 1421 | 64.7 | 101 | 339 | |
| PD601401 | 06/04/02 | 1132 | 208 | 102 | 327 | UJ |
| PD701401 | 07/09/02 | 1408 | 574 | 124 | 318 | |
| PD801401 | 08/05/02 | 1008 | 337 | 115 | 354 | UJ |
| PD901401 | 09/09/02 | 1524 | 464 | 92 | 285 | |
| PD101301 | 10/07/02 | 1544 | 518 | 107 | 332 | |

| TAN-29 | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDC | Flag |
| 1PO16301 | 08/06/01 | 1220 | 2730 | 199 | 337 | |
| 1PO17801 | 09/10/01 | 1203 | 2620 | 124 | 287 | |
| 1PO17802 | 09/10/01 | 1203 | 2670 | 127 | 294 | |
| TPD00701 | 10/08/01 | 1121 | 2530 | 133 | 323 | |
| TPD10701 | 11/11/01 | 1129 | 2540 | 124 | 287 | |
| TPD20701 | 12/05/01 | 1025 | 2440 | 171 | 306 | |
| TPD30701 | 01/09/02 | 1133 | 2930 | 126 | 181 | |
| TPD40701 | 02/04/02 | 1420 | 3070 | 184 | 287 | |
| TPD50701 | 03/05/02 | 949 | 3130 | 153 | 237 | |
| TPD60701 | 04/01/02 | 1521 | 2140 | 165 | 459 | |
| PD500701 | 04/29/02 | 1207 | 2730 | 142 | 335 | |
| PD600701 | 06/03/02 | 1602 | 2660 | 183 | 339 | |
| PD700701 | 07/09/02 | 1141 | 2930 | 203 | 464 | |
| PD800701 | 08/05/02 | 1023 | 2310 | 177 | 350 | |
| PD900701 | 09/09/02 | 1326 | 2170 | 119 | 292 | |
| PD100601 | 10/07/02 | 1136 | 2970 | 142 | 331 | |

U = No Radioactivity Detected

J = Estimated Value

Tritium data for field blanks

| Field Blanks | | | | | | |
|---|---|---|---|---|---|---|
| Sample ID | Date | Time | H-3 (pCi/L) | +/- | MDA | Flag |
| 1PO16601 | 08/07/01 | 850 | -45.2 | 95.8 | 33.5 | U |
| 1PO18101 | 09/10/01 | 1130 | -59.7 | 87.0 | 29.8 | U |
| TPD01401 | 10/08/01 | 1002 | -273 | 91.0 | 323 | U |
| TPD11401 | 11/11/01 | 1400 | -47.5 | 91.1 | 311 | U |
| TPD21501 | 12/05/01 | 1135 | 79.1 | 90 | 307 | U |
| TPD31501 | 01/09/02 | 950 | 108 | 58.4 | 190 | U |
| TPD41501 | 02/06/02 | 1340 | 129 | 80.2 | 263 | U |
| TPD51401 | 03/05/02 | 1450 | 132 | 90.9 | 301 | |
| TPD61501 | 04/02/02 | 930 | 135 | 84.1 | 276 | U |
| PD501501 | 05/01/02 | 1130 | -265 | 8308 | 300 | |
| PD601501 | 06/03/02 | 945 | 0 | 99.3 | 352 | U |
| PD701501 | 07/09/02 | 900 | 2000 | 117 | 316 | |
| PD801501 | 08/05/02 | 1410 | -5.54 | 96 | 349 | U |
| PD901501 | 09/09/02 | 1410 | 110 | 82.2 | 272 | |
| PD101401 | 10/07/02 | 1526 | 164 | 101 | 333 | |
| | | | | | | |
| | | | | | | |

Strontium80 **data**

| TAN-25 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO15501 | 08/07/01 | 679 | 96.1 | 0.694 |
| TPD10301 | 11/06/01 | 953 | 140.0 | 0.741 |
| TPD10302 | 11/06/01 | 936 | 151.0 | 0.686 |
| TPD40301 | 02/05/02 | 583 | 70.2 | 0.496 |
| PD500301 | 04/30/02 | 725 | 123.0 | 0.558 |
| PD800301 | 08/05/02 | 1320 | 283.0 | 0.774 |

| TAN-31 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO15701 | 08/08/01 | 745 | 100 | 0.76 |
| TPD10901 | 11/06/01 | 1010 | 117 | 0.613 |
| TPD40901 | 02/05/02 | 767 | 98.4 | 0.0629 |
| TPD40902 | 02/05/02 | 779 | 101 | 0.863 |
| PD500901 | 04/30/02 | 839 | 82.3 | 0.363 |
| PD800901 | 08/05/02 | 1360 | 235 | 0.627 |

| TSF-05A | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO15301 | 08/07/01 | 1040 | 145 | 0.696 |
| TPD10101 | 11/06/01 | 1430 | 186 | 0.813 |
| TPD40101 | 02/04/02 | 1210 | 164 | 0.499 |
| PD500101 | 04/30/02 | 1940 | 355 | 0.537 |
| PD800101 | 08/05/02 | 1980 | 350 | 0.602 |

| TSF-05B | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO15401 | 08/07/01 | 1440 | 324 | 0.874 |
| TPD10201 | 11/07/01 | 1590 | 197 | 0.715 |
| TPD40201 | 02/05/02 | 1250 | 143 | 0.589 |
| PD500201 | 04/30/02 | 2750 | 378 | 0.637 |
| PD800201 | 08/06/02 | 2110 | 316 | 0.544 |

| TAN-28 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO16101 | 08/06/01 | 236 | 36.3 | 0.937 |
| TPD10601 | 11/05/01 | 223 | 30.2 | 0.796 |
| TPD40601 | 02/04/02 | 257 | 32.6 | 0.490 |
| PD500601 | 04/29/02 | 241 | 30.9 | 0.503 |
| PD500602 | 04/29/02 | 258 | 39.2 | 0.684 |
| PD800601 | 08/05/02 | 265 | 45.1 | 0.55 |

| TAN-29 | | | | |
|---|---|---|---|---|
| SampleID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO16301 | 08/06/01 | 41 | 6.09 | 0.677 |
| TPD10701 | 11/05/01 | 54.2 | 7.19 | 0.87 |
| TPD40701 | 02/04/02 | 53.6 | 7.67 | 0.480 |
| PD500701 | 04/29/02 | 39.5 | 4.83 | 0.416 |
| PD800701 | 08/05/02 | 12.6 | 2.18 | 0.606 |

| TAN-26 | | | | |
|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA |
| 1PO15601 | 08/06/01 | 119 | 15.9 | 0.68 |
| 1PO15602 | 08/06/01 | 124 | 16 | 0.657 |
| TPD10401 | 11/06/01 | 196 | 23.6 | 0.745 |
| TPD40401 | 02/05/02 | 133 | 15.9 | 0.597 |
| PD500401 | 04/30/02 | 316 | 49.5 | 0.711 |
| PD800401 | 08/05/02 | 188 | 27 | 0.84 |
| PD800402 | 08/05/02 | 190 | 30.2 | 0.527 |

| Field Blanks | | | | | |
|---|---|---|---|---|---|
| Sample ID | Date | Sr-90 (pCi/L) | +/- | MDA | Flag |
| TPD11401 | 11/05/01 | -0.0451 | 0.167 | 0.744 | U |
| TPD41501 | 02/06/02 | 0.357 | 0.165 | 0.621 | |
| PD501501 | 04/30/02 | -0.209 | 0.0872 | 0.539 | |
| PD801501 | 08/05/02 | 0.0737 | 0.123 | 0.576 | |

U = No **Radioactivity detected**

Gross **alpha data**

| Gross Alpha | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Well** | **Date** | **Time** | **Alpha (pCi/L)** | **FLAG** | **+/-** | **MDA** |
| TPD11401 | Field Blanks | 11/05/01 | 1400 | -0.253 | U | 0.152 | 0.577 |
| TPD10601 | TAN-28 | 11/05/01 | 1029 | 7.04 | | 0.638 | 0.831 |
| TPD10901 | TAN-31 | 11/06/01 | 1340 | -4.00 | U | 2.48 | 9.45 |
| TPD10701 | TAN-29 | 11/05/01 | 1129 | 7.62 | | 0.659 | 1.03 |
| TPD10401 | TAN-26 | 11/06/01 | 908 | -0.477 | U | 2.26 | 8.16 |
| TPD10301 | TAN-25 | 11/06/01 | 1225 | 0.00 | U | 5.23 | 18.8 |
| TPD10302 | TAN-25 | 11/06/01 | 1225 | -20.20 | U | 10.9 | 43.3 |
| TPD10101 | TSF-05A | 11/06/01 | 1025 | 0.317 | U | 1.77 | 6.58 |
| TPD10201 | TSF-05B | 11/07/01 | 900 | 16.3 | U | 14.9 | 50.1 |

**U = No radioactivity detected**
**J = Estimated quantity**

Gamma spec data for TSF-05A and -05B

TSF-05A

| Sample ID | Date | AG-110M (pCi/L) | +/- | MDA | AM-241 (pCi/L) | +/- | MDA | CE-144 (pCi/L) | +/- | MDA | CO-58 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO06101R4 | 02/12/01 | 2.99 | 1.23 | 3.83 | | | | | | | | | |
| 1PO15301R4 | 08/07/01 | 1.05 | 1.65 | 2.49 | | | | 10.30 | 11.70 | 19.90 | 1.73 | 1.34 | 2.39 |
| TPD10101R4 | 11/06/01 | | | | | | | | | | | | |
| TPD40101R4 | 02/04/02 | | | | | | | | | | | | |
| PD500101R4 | 04/30/02 | | | | 7.71 | 9.74 | 3.17 | | | | | | |
| PD800101R4 | 08/05/02 | 1.34 | 0.92 | 2.81 | | | | | | | | | |

TSF-05A continued

| Sample ID | Date | CO-60 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA | K-40 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO06101R4 | 02/12/01 | | | | 1130.00 | 8.10 | 3.23 | | | | | | |
| 1PO15301R4 | 08/07/01 | 2.56 | 0.95 | 0.95 | 681.00 | 9.31 | 1.99 | | | | | | |
| TPD10101R4 | 11/06/01 | | | | 420.00 | 23.70 | 7.59 | | | | 9.98 | 9.08 | 15.10 |
| TPD40101R4 | 02/04/02 | | | | 469.00 | 23.70 | 3.81 | | | | | | |
| PD500101R4 | 04/30/02 | | | | 758.00 | 37.30 | 3.58 | | | | | | |
| PD800101R4 | 08/05/02 | 1.84 | 0.60 | 2.32 | 660.00 | 31.00 | 2.28 | 7.82 | 12.00 | 17.80 | | | |

TSF-05A continued

| Sample ID | Date | RU-103 (pCi/L) | +/- | MDA | SB-125 (pCi/L) | +/- | MDA | U-235 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|
| 1PO06101R4 | 02/12/01 | | | | | | | | | |
| 1PO15301R4 | 08/07/01 | 3.16 | 3.33 | 5.48 | 6.34 | 5.26 | 9.20 | | | |
| TPD10101R4 | 11/06/01 | | | | | | | | | |
| TPD40101R4 | 02/04/02 | | | | | | | 17.30 | 16.30 | 31.90 |
| PD500101R4 | 04/30/02 | | | | 11.50 | 4.17 | 15.10 | | | |
| PD800101R4 | 08/05/02 | | | | | | | 17.10 | 6.10 | 19.90 |

TSF-05B

| Sample ID | Date | AG-110M (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA | K-40 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA | U-235 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO06201R4 | 02/12/01 | | | | 1700.00 | 8.80 | 3.41 | | | | 4.63 | 3.26 | 7.72 | 22.20 | 7.79 | 25.60 |
| 1PO15401R4 | 08/07/01 | | | | 1730.00 | 83.00 | 2.48 | | | | | | | | | |
| TPD10201R4 | 11/07/01 | | | | 615.00 | 34.80 | 6.47 | | | | | | | | | |
| TPD40201R4 | 02/05/02 | | | | 1230.00 | 58.60 | 4.99 | | | | 5.86 | 4.50 | 9.19 | | | |
| PD500201 | 04/30/02 | 3.26 | 1.41 | 4.62 | 1440.00 | 77.80 | 3.79 | | | | | | | 16.70 | 13.30 | 29.50 |
| PD800201R4 | 08/06/02 | | | | 640.00 | 30.90 | 4.60 | 34.60 | 22.00 | 34.40 | | | | | | |

Highlighted = uncetected value, could be detected if error included.

Gamma spec data for TAN-25 and -31

**TAN-25**

| Sample ID | Date | CO-60 (pCi/L) | +/- | MDA | CS-134 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA | EU-155 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15501R4 | 08/07/01 | 1.26 | 1.22 | 2.16 | | | | 472.00 | 23.30 | 1.70 | 7.37 | 4.64 | 8.04 |
| TPD10301R4 | 11/06/01 | | | | | | | 656.00 | 34.90 | 7.21 | | | |
| TPD10302R4 | 11/06/01 | | | | 0.00 | 9.59 | 7.01 | 704.00 | 52.70 | 7.36 | | | |
| TPD40301R4 | 02/05/02 | | | | | | | 362.00 | 19.80 | 5.17 | | | |
| PD500301R4 | 04/30/02 | | | | | | | 601.00 | 6.77 | 3.09 | | | |
| PD800301R4 | 08/05/02 | 1.88 | 1.00 | 1.86 | | | | 798.00 | 37.80 | 2.22 | | | |

**TAN-25 continued**

| Sample ID | Date | NB-95 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA | U-235 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15501R4 | 08/07/01 | | | | | | | 7.16 | 8.96 | 15.10 |
| TPD10301R4 | 11/06/01 | | | | | | | | | |
| TPD10302R4 | 11/06/01 | | | | | | | | | |
| TPD40301R4 | 02/05/02 | | | | 5.98 | 4.61 | 9.38 | | | |
| PD500301R4 | 04/30/02 | | | | | | | | | |
| PD800301R4 | 08/05/02 | 3.33 | 1.11 | 4.08 | | | | 14.80 | 6.27 | 20.70 |

**TAN-31**

| Sample ID | Date | AG-110M (pCi/L) | +/- | MDA | CO-58 (pCi/L) | +/- | MDA | CO-60 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15701R4 | 08/08/01 | | | | 0.47 | 0.71 | 1.06 | 0.63 | 0.56 | 0.98 | 482.00 | 22.80 | 1.01 |
| TPD10901R4 | 11/06/01 | | | | | | | | | | 429.00 | 25.30 | 7.44 |
| TPD40901R4 | 02/05/02 | | | | | | | | | | 368.00 | 1.90 | 356.00 |
| TPD40902R4 | 02/05/02 | 3.16 | 1.19 | 4.13 | | | | | | | 355.00 | 6.17 | 3.75 |
| PD500901R4 | 04/30/02 | | | | | | | | | | 517.00 | 25.00 | 2.91 |
| PD800901R4 | 08/05/02 | | | | | | | | | | | | |

**TAN-31 continued**

| Sample ID | Date | EU-152 (pCi/L) | +/- | MDA | EU-155 (pCi/L) | +/- | MDA | MN-54 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA | RU-106 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO15701R4 | 08/08/01 | 1.54 | 2.53 | 3.68 | 2.54 | 2.71 | 4.68 | 0.52 | 0.48 | 0.82 | 3.14 | 2.35 | 2.01 | | | |
| TPD10901R4 | 11/06/01 | | | | | | | | | | | | | | | |
| TPD40901R4 | 02/05/02 | | | | 1.73 | 4.48 | 1.56 | | | | | | | | | |
| TPD40902R4 | 02/05/02 | | | | | | | | | | 16.40 | 4.43 | 6.51 | 5.44 | 9.27 | 3.31 |
| PD500901R4 | 04/30/02 | | | | | | | | | | | | | | | |
| PD800901R4 | 08/05/02 | | | | | | | | | | 3.44 | 2.15 | 3.62 | | | |

Highlighted = undetected value could be detected (error included)

Gamma Spec data for TAN-26

| TAN-26 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | AG-108M (pCi/ | +/- | MDA | AM-241 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA | EU-152 (pCi/L) | +/- | MDA |
| 1PO15601R4 | 08/06/01 | | | | 9.88 | 8.88 | 13.60 | | | | | | |
| 1PO15602R4 | 08/06/01 | 0.79 | 1.15 | 1.78 | | | | -1.16 | 1.42 | 2.44 | | | |
| TPD10401R4 | 11/06/01 | | | | | | | | | | -2.05 | 4.89 | 1.71 |
| TPD40401R4 | 02/05/02 | | | | | | | | | | | | |
| PD500401R4 | 04/30/02 | | | | | | | | | | | | |
| PD800401R4 | 08/05/02 | | | | | | | | | | | | |
| PD800402R4 | 08/05/02 | | | | | | | | | | | | |

| TAN-26 continued | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | K-40 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA | RU-106 (pCi/L) | +/- | MDA | U-235 (pCi/L) | +/- | MDA |
| 1PO15601R4 | 08/06/01 | | | | | | | | | | 7.26 | 6.41 | 11.10 |
| 1PO15602R4 | 08/06/01 | | | | | | | 11.10 | 12.00 | 20.80 | 8.46 | 11.60 | 18.10 |
| TPD10401R4 | 11/06/01 | | | | 11.90 | 3.65 | 14.40 | | | | 20.10 | 19.10 | 36.60 |
| TPD40401R4 | 02/05/02 | | | | 9.23 | 3.89 | 5.88 | | | | | | |
| PD500401R4 | 04/30/02 | 2.85 | 1.48 | 2.40 | 4.33 | 2.28 | 4.79 | 1.53 | 6.99 | 2.48 | | | |
| PD800401R4 | 08/05/02 | 28.20 | 23.00 | 37.60 | 6.35 | 1.83 | 7.57 | 21.70 | 13.40 | 33.30 | | | |
| PD800402R4 | 08/05/02 | 13.70 | 12.10 | 12.40 | 1.23 | 1.96 | 3.09 | | | | | | |

Highlighted = undetected value could be detected if error included

Gamma **spec data** for TAN-28, **and** -29

**TAN-28**

| Sample ID | Date | AG-110M (pCi/L) | +/- | MDA | AM-241 (pCi/L) | +/- | MDA | CE-144 (pCi/L) | +/- | MDA | CO-60 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16101R4 | 08/06/01 | 1.19 | 0.89 | 1.57 | | | | 6.18 | 6.18 | 10.50 | | | |
| TPD10601R4 | 11/05/01 | | | | 1.39 | 7.93 | 2.89 | | | | 7.61 | 8.68 | 7.65 |
| TPD40601 | 02/04/02 | | | | | | | | | | | | |
| PD500601 | 04/29/02 | | | | | | | | | | | | |
| PD500602 | 04/29/02 | | | | | | | | | | | | |
| PD800601R4 | 08/05/02 | | | | | | | | | | | | |

**TAN-28 continued**

| Sample ID | Date | CS-137 (pCi/L) | +/- | MDA | EU-152 (pCi/L) | +/- | MDA | K-40 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16101R4 | 08/06/01 | | | | 3.12 | 2.69 | 4.47 | | | | | | |
| TPD10601R4 | 11/05/01 | 18.50 | 4.16 | 4.85 | 4.91 | 4.83 | 1.73 | | | | | | |
| TPD40601 | 02/04/02 | | | | | | | | | | 16.20 | 3.77 | 5.41 |
| PD500601 | 04/29/02 | | | | | | | 35.90 | 10.40 | 42.70 | | | |
| PD500602 | 04/29/02 | | | | | | | | | | | | |
| PD800601R4 | 08/05/02 | | | | | | | | | | 8.02 | 3.65 | 9.92 |

**TAN-28 continued**

| Sample ID | Date | RU-106 (pCi/L) | +/- | MDA | U-235 (pCi/L) | +/- | MDA | ZR-95 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16101R4 | 08/06/01 | 14.80 | 8.60 | 15.30 | 4.99 | 6.73 | 10.20 | | | |
| TPD10601R4 | 11/05/01 | | | | 31.00 | 12.70 | 33.90 | | | |
| TPD40601 | 02/04/02 | | | | | | | 8.23 | 2.58 | 5.56 |
| PD500601 | 04/29/02 | | | | | | | | | |
| PD500602 | 04/29/02 | | | | | | | | | |
| PD800601R4 | 08/05/02 | | | | | | | | | |

**TAN-29**

| Sample ID | Date | AG-108M (pCi/L) | +/- | MDA | AG-110M (pCi/L) | +/- | MDA | CO-60 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16301R4 | 08/06/01 | 1.73 | 1.07 | 1.81 | 1.12 | 1.18 | 2.03 | | | | | | |
| TPD10701R4 | 11/05/01 | | | | | | | | | | | | |
| TPD40701R4 | 02/04/02 | | | | | | | | | | | | |
| PD500701R4 | 04/29/02 | | | | | | | | | | | | |
| PD800701R4 | 08/05/02 | | | | | | | 294 | 080 | 213 | 46400 | 2200 | 220 |

**TAN-29 continued**

| Sample ID | Date | EU-154 (pCi/L) | +/- | MDA | K-40 (pCi/L) | +/- | MDA | RA-226 (pCi/L) | +/- | MDA | RU-106 (pCi/L) | +/- | MDA | SB-125 (pCi/L) | +/- | MDA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1PO16301R4 | 08/06/01 | 0.00 | 11.60 | 5.24 | | | | | | | 9.41 | 11.00 | 18.80 | 3.31 | 3.04 | 5.05 |
| TPD10701R4 | 11/05/01 | | | | | | | 10.10 | 10.10 | 12.10 | 42.90 | 16.90 | 52.00 | | | |
| TPD40701R4 | 02/04/02 | | | | | | | 13.10 | 3.82 | 6.38 | | | | | | |
| PD500701R4 | 04/29/02 | | | | | | | 4.52 | 1.61 | 6.92 | | | | | | |
| PD800701R4 | 08/05/02 | | | | 0.9 | 9.73 | 11.60 | 16.80 | | | | | | | | |

Highlighted = undetected value, could be detected if error included.

Gamma **spec** data for field blanks

| Field Blanks | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | **Date** | **Time** | **CO-58 (pCi/L)** | **+/-** | **MDA** | **CS-134 (pCi/L)** | **+/-** | **MDA** | **CS-137 (pCi/L)** | **+/-** | **MDA** |
| 1PO16601R4 | 08/07/01 | 850 | 1.44 | 1.23 | 2.17 | 1.19 | 0.89 | 1.58 | 0.92 | 0.95 | 1.66 |
| None for November | | | | | | | | | | | |
| None for February | | | | | | | | | | | |
| PD501501R4 | 04/30/02 | 1130 | | | | | | | | | |
| PD801501R4 | 08/05/02 | 1410 | | | | 2.53 | 1.29 | 3.39 | | | |
| **Field Blanks continued** | | | | | | | | | | | |
| **Sample ID** | **Date** | **Time** | **MN-54 (pCi/L)** | **+/-** | **MDA** | **NB-95 (pCi/L)** | **+/-** | **MDA** | **RA-226 (pCi/L)** | **+/-** | **MDA** |
| 1PO16601R4 | 08/07/01 | 850 | | | | 1.95 | 1.77 | 3.10 | 0.79 | 2.89 | 3.66 |
| None for November | | | | | | | | | | | |
| None for February | | | | | | | | | | | |
| PD501501R4 | 04/30/02 | 1130 | | | | | | | | | |
| PD801501R4 | 08/05/02 | 1410 | 2.15 | 0.90 | 3.16 | | | | | | |
| **Field Blanks continued** | | | | | | | | | | | |
| **Sample ID** | **Date** | **Time** | **RU-106 (pCi/L)** | **+/-** | **MDA** | **ZN-65 (pCi/L)** | **+/-** | **MDA** | **K-40 (pCi/L)** | **+/-** | **MDA** |
| 1PO16601R4 | 08/07/01 | 850 | 6.91 | 9.20 | 16.00 | 1.95 | 2.64 | 4.07 | | | |
| None for November | | | | | | | | | | | |
| None for February | | | | | | | | | | | |
| PD501501R4 | 04/30/02 | 1130 | | | | | | | | | |
| PD801501R4 | 08/05/02 | 1410 | | | | | | | 46.00 | 12.40 | 52.00 |

Highlighted = undetected value, could be detected if error included

Gamma spec duplicate data

| Duplicates | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Well | CS-137 (pCi/L) | +/- | MDA | CS-137 (pCi/L) | +/- | MDA | RPD |
| TPD10301R4 | 11/06/01 | TAN-25 | 656.00 | 34.90 | 7.21 | 704.00 | 52.70 | 7.36 | 7 |
| TPD40901R4 | 02/05/02 | TAN-31 | 368.00 | 1.90 | 356.00 | 355.00 | 6.17 | 3.75 | 4 |
| | | | | | | | | Average RPD | 5 |

Detected metals *data*

| TAN-25 | | (µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Cr | Flag | Fe | Flag | Mg | Flag | Mn | Flag | Ni | Flag | K | Flag | Na | Flag | V | Flag | Zn | Flag |
| 1PO15501LM | 08/07/01 | 648 | | 84100 | | | | 5150 | | 41500 | | 784 | | | | 7940 | | 1430000 | | | | 103 | |
| TPD10301LM | 11/06/01 | 909 | | 92400 | | 14 | | 11200 | J | 50900 | | 1050 | | 11.8 | | 9930 | | 1860000 | | | | 459 | |
| TPD10302LM | 11/06/01 | 997 | | 101000 | | 16.2 | | 12200 | J | 56000 | | 1110 | | 12.1 | | 10500 | | 2020000 | | | | 577 | |
| TPD40301 | 02/05/02 | 522 | | 65500 | | | | 3890 | | 36400 | | 581 | | | | 9400 | E N J | 1030000 | E N | | | 77.7 | |
| PD500301 | 04/30/02 | 1020 | | 109000 | | 8.4 | | 11500 | | 67900 | E | 1210 | | | | 12100 | E | 2360000 | | | | 581 | |
| PD800301 | 08/05/02 | 1170 | | 115000 | | 107 | | 15800 | | 64900 | | 1210 | | | | 13000 | | 2990000 | | 29.1 | | 3590 | |

| TAN-26 | | (µg/L) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Fe | Flag | Mg | Flag | Mn | Flag | Ni | Flag | K | Flag | Na | Flag | Zn | Flag |
| 1PO15601LM | 08/06/01 | 1240 | | 86600 | | 6050 | | 82000 | | 975 | | 10.8 | B | 9600 | | 532000 | J | 310 | |
| 1PO15602LM | 08/06/01 | 1240 | | 87700 | | 6090 | | 82600 | | 984 | | 11 | B | 9470 | | 544000 | J | 309 | |
| TPD10401LM | 11/06/01 | 1420 | | 72500 | | 5050 | J | 81000 | | 715 | | 9.7 | B | 11000 | | 655000 | | 154 | |
| TPD40401 | 02/05/02 | 995 | | 59200 | | 3330 | | 73500 | | 598 | | 11.3 | B E | 9610 | E N J | 402000 | E N J | 114 | |
| PD500401 | 04/30/02 | 2000 | | 106000 | | 10500 | | 127000 | | 1170 | | 10.1 | B | 14600 | E | 952000 | | 994 | |
| PD800401 | 08/05/02 | 1530 | | 82200 | E | 5700 | E | 97400 | | 745 | | 9.7 | B | 12500 | E N | 747000 | E | 186 | |
| PD800402 | 08/05/02 | 1370 | | 74600 | E | 5160 | | 86800 | | 677 | | 9.3 | B | 11200 | | 706000 | | 213 | |

| TAN-31 | | (µg/L) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Cr | Flag | Fe | Flag | Mg | Flag | Mn | Flag | K | Flag | Na | Flag | V | Flag | Zn | Flag |
| 1PO15701LM | 08/08/01 | 745 | | 121000 | | | | 6730 | | 50600 | | 1210 | | 7260 | | 453000 | J | | | 229 | |
| TPD10901LM | 11/06/01 | 1270 | | 172000 | | | | 8730 | | 73900 | | 1900 | | 9900 | | 714000 | | | | | |
| TPD40901 | 02/05/02 | 612 | | 115000 | | | | 4380 | | 51300 | | 1130 | | 6730 | E N J | 292000 | E N J | | | | |
| TPD40902 | 02/05/02 | 635 | | 119000 | | | | 4460 | | 53000 | | 1170 | | 7060 | E N J | 297000 | E N J | | | | |
| PD500901 | 04/30/02 | 978 | | 142000 | | | | 8490 | | 70400 | E | 1470 | | 10200 | E | 776000 | | | | | |
| PD800901 | 08/05/02 | 1890 | | 204000 | | 20 | | 14500 | | 96200 | | 2230 | | 14500 | | 1550000 | | 10.3 | | | |

| TSF-05A | | (µg/L) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Cr | Flag | Fe | Flag | Mg | Flag | Mn | Flag | Ni | Flag | K | Flag | Na | Flag | Zn | Flag |
| 1PO15301LM | 08/06/01 | 476 | | 95300 | | | | 9410 | | 39500 | | 529 | | 8.4 | B | 6580 | | 559000 | J | | |
| TPD10101LM | 11/07/01 | 675 | | 112000 | | 7.3 | J | 21000 | J | 49200 | | 856 | | 346 | | 7260 | | 1140000 | | 34.7 | |
| TPD40101 | 02/04/02 | 491 | | 90400 | | | | 9660 | | 44600 | | 557 | | 87.9 | E | 8620 | E N J | 655000 | E N J | 24.2 | |
| PD500101 | 04/30/02 | 872 | | 134000 | | | | 19900 | | 78200 | E | 1060 | | 18.2 | B | 11100 | E | 1340000 | | | |
| PD800101 | 08/05/02 | 848 | | 133000 | E | 53.8 | | 14600 | E | 67100 | | 1060 | | 227 | | 10200 | | 2220000 | E | | |

| TSF-05B | | (µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Cr | Flag | Fe | Flag | Mg | Flag | Mn | Flag | Ni | Flag | K | Flag | Na | Flag | V | Flag | Zn | Flag |
| 1PO15401 | 08/06/01 | 789 | | 112000 | | | | 46700 | | 59500 | | 1070 | | | | 8700 | | 1550000 | J | | | | |
| TPD10201 | 11/07/01 | 916 | | 141000 | | 42.7 | | 52200 | J | 60700 | | 1230 | | 179 | | 8030 | | 2070000 | | | | 52.3 | |
| TPD40201 | 02/05/02 | 632 | | 102000 | | | | 30500 | | 55700 | | 752 | | | | 10000 | E N J | 1010000 | E N J | | | | |
| PD500201 | 05/01/02 | 1260 | | 183000 | | 15.5 | | 82500 | | 112000 | E | 1620 | | 117 | | 13700 | E | 3030000 | | | | | |
| PD800201 | 08/05/02 | 907 | | 165000 | E | 204 | | 46500 | E | 60700 | | 1160 | | 32.3 | | 8550 | E N | 2810000 | E | 9.3 | | | |

Detected metals data

| TAN-28 | | (µg/L) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Ca | Flag | Cu | Flag | Mg | Flag | Mn | Flag | K | Flag | Na | Flag | Zn | Flag |
| 1PO16101LM | 08/06/01 | 232 | | 85900 | | | | 22800 | | 90.7 | | 5200 | | 60300 | J | 321 | |
| TPD10601LM | 11/05/01 | 255 | | 90100 | | 126 | J | 24500 | | 126 | | 5230 | | 61700 | | 115 | |
| TPD40601 | 02/04/02 | 256 | | 87500 | | 257 | N E J | 25400 | | 165 | | 5400 | E N J | 58700 | E N J | 78 | |
| PD500601 | 04/29/02 | 226 | | 84700 | | 5.7 | B | 24500 | E | 87.2 | | 4980 | E | 58900 | | 78.5 | |
| PD500602 | 04/29/02 | 227 | | 84700 | | 3.9 | B | 24000 | E | 94.2 | | 5020 | E | 60000 | | 75.8 | |
| PD800601 | 08/05/02 | 249 | | 99200 | E | 5.6 | B | 26600 | | 73.4 | | 5500 | E N | 50500 | E | 80.6 | |

| TAN-29 | | (µg/L) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Date | Ba | Flag | Cd | Flag | Ca | Flag | Cu | Flag | Fe | Flag | Mg | Flag | Mn | Flag | Ni | Flag | K | Flag | Na | Flag | Zn | Flag |
| 1PO16301LM | 08/06/01 | 258 | | 5 | U | 76200 | | | | | | 20300 | | 840 | | 8.3 B | | 4840 B | | 50900 | J | 66.6 | |
| TPD10701LM | 11/05/01 | 274 | | 1.9 | U | 77200 | | | | 718 | J | 21300 | | 742 | | 7.1 B | | 4960 | | 54800 | | 49.1 | |
| TPD40701 | 02/04/02 | 259 | | | | 76400 | | | | | | 21600 | | 712 | | 9.6 | B E | 3820 | E N J | 40300 | E N | 29 | |
| PD500701 | 04/29/02 | 226 | | | | 70200 | | 10.3 | | | | 20000 | E | 359 | | 8.9 | B | 4510 | E | 53000 | | 41 | |
| PD800701 | 08/05/02 | 216 | | | | 76400 | E | | | | | 19500 | | 11 | | 13.6 | B | 4340 | E N | 37000 | E | 47.2 | |

**Definition of Flags**

**B** = Result is less than the CRDL, but greater than or equal to the instrument detection limit
**E** = Compound exceeds aalibration range. No dilutions done.
J = Estimated value
N = Results flagged for silver, thallium, and copper due to MS and/or MSD recoveries being outside of the 80-120% limits.
**U** = Analyte was not detected at or above the reporting limit

Note: All sample were filtered.

Purge data for TAN-25 and -31

**TAN-25**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/07/01 | 1034 | 15.22 | 8.50 | 5.76 | 0.32 | 4 | 46 | decreasing | MS# 35771 | |
| 09/11/01 | 1216 | 15.80 | 7.18 | 9.29 | 0.14 | 33 | 47 | decreasing | MS# 35771 | |
| 10/10/01 | 1042 | 14.91 | 7.17 | 5.83 | 0.15 | 0 | 36 | decreasing | MS# 35771 | |
| 11/06/01 | 1221 | 14.28 | 6.90 | 7.37 | 2.1 | 79 | 57 | decreasing | MS# 35770 | |
| 12/04/01 | 10.43 | 14.07 | 7.23 | 5.07 | 0.00 | 52 | 45 | decreasing | MS# 35770 | |
| 01/08/02 | 1427 | 14.06 | 4.98 | 7.70 | 0.19 | -232 | 43 | decreasing | MS#36982 | pH seems low. |
| 02/05/02 | 1204 | 13.62 | 7.12 | 5.081 | 0.14 | -265 | 40 | increasing | MS#36982 | |
| 03/05/02 | 1246 | 14.45 | 7.10 | 4.26 | 0 | 54 | 31 | decreasing | MS#39681 | |
| 04/02/02 | 1023 | 13.67 | 7.53 | 13.62 | 0.16 | 19 | 32 | decreasing | MS#38149 | |
| | | | | | | | | | | Readings missing due to using CHEMets Kit. |
| 04/30/02 | 1025 | 14.26 | 8.17 | 8.02 | 0.28 | 28 | 22 | decreasing | MS#38149 | |
| 06/04/02 | 925 | 14.7 | 7.60 | 6.15 | 0 | 135 | 27 | decreasing | MS#40022 | |
| 07/09/02 | 1014 | 1527 | 7.26 | 9.14 | 0.06 | 72 | 27 | decreasing | MS#40022 | |
| 08/05/02 | 1437 | 16.53 | 8.10 | 10.74 | 0.09 | 26 | 27 | decreasing | MS#38148 | |
| 09/09/02 | 1144 | 15.51 | 9.79 | 7.41 | 0.1 1 | 12 | 27 | stable | MS#38148 | |
| 10/08/02 | 942 | 15.49 | 7.79 | 10.81 | 0.36 | 63 | 27 | stable | MS#38149 | |

**TAN-31**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/08/01 | 910 | 16.15 | 6.98 | 2.66 | 0.41 | 73 | 31 | decreasing | MS# 35771 | |
| 09/11/01 | 1258 | 14.91 | 7.10 | 3.93 | 0.22 | 58 | 54 | decreasing | MS# 35771 | |
| 10/10/01 | 1236 | 14.72 | 6.92 | 2.47 | 0.27 | 17 | 39 | decreasing | MS# 35771 | |
| 11/06/01 | 1330 | 14.41 | 6.83 | 3.91 | 0.00 | 90 | 50 | decreasing | MS# 35770 | |
| 12/03/01 | 1458 | 13.54 | 7.03 | 2.25 | 0.05 | 73 | 39 | decreasing | MS# 35770 | |
| 01/08/02 | 1210 | 14.13 | 5.10 | 3.35 | 0.2 | -249 | 16 | decreasing | MS#36982 | Sample tubing was defective. |
| 02/05/02 | 13.29 | 13.46 | 7.14 | 2.08 | 0.17 | -242 | 53 | increasing | MS#36982 | |
| 03/05/02 | 13.37 | 14.23 | 6.98 | 1.89 | 0 | 48 | 34 | decreasing | MS#39681 | |
| 04/02/02 | 12.59 | 14.28 | 7.48 | 6.98 | 0.22 | -17 | 35 | stable | MS#38149 | |
| 04/30/02 | 13.24 | 15.05 | 8.26 | 3.79 | 0.11 | 7 | 32 | decreasing | MS#38149 | |
| 06/04/02 | 1245 | 14.5 | 7.16 | 2.51 | 0 | 100 | 32 | decreasing | MS#40022 | |
| 07/09/02 | 1319 | 15.24 | 6.80 | 3.75 | 0.0 | 90 | 32 | decreasing | MS#40022 | |
| 08/05/02 | 1343 | 15.97 | 8.08 | 6.31 | 0.1 | 31 | 32 | decreasing | MS#38148 | |
| 09/09/02 | 1230 | 14.79 | 9.58 | 2.79 | 0.1 | 38 | 32 | decreasing | MS#38148 | |
| 10/08/02 | 1236 | 15.41 | 7.77 | 6.56 | 0.28 | 44 | 32 | decreasing | MS#38149 | |

Purge data for TAN-26 and -37C

**TAN-26**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/06/01 | 1618 | 14.14 | 7.62 | 3.63 | 0.70 | 75 | 45 | stable | MS# 35771 | |
| 09/11/01 | 950 | 13.97 | 7.27 | 3.14 | 20.00 | 44 | 56 | decreasing | MS# 35771 | Hydrolab readings were not consistant throughout purge. |
| 10/08/01 | 1546 | 13.88 | 7.11 | 3.12 | 0.45 | 39 | 64 | decreasing | MS# 35771 | |
| 11/06/01 | 903 | 13.11 | 7.11 | 3.46 | 0.70 | 67 | 62 | decreasing | MS# 35770 | |
| 12/04/01 | 1355 | 12.89 | 7.16 | 2.74 | 0.00 | 73 | 59 | decreasing | MS# 35770 | |
| 01/08/02 | 1335 | 13.18 | 5.10 | 2.7 | 0.00 | -258 | 58 | increasing | MS#36982 | |
| 02/05/02 | 1116 | 12.94 | 7.10 | 2.48 | 0.15 | -242 | 60 | increasing | MS#36982 | |
| 03/05/02 | 1159 | 12.94 | 7.14 | 2.82 | 0.00 | 41 | 55 | decreasing | MS#39681 | |
| 04/02/02 | 946 | 13.05 | 7.45 | 5.13 | 0.32 | 50 | 51 | decreasing | MS#38149 | |
| 04/30/02 | 932 | 13.52 | 8.14 | 4.41 | 0.21 | 32 | 41 | decreasing | MS#38149 | |
| 06/04/02 | 1023 | 13.67 | 7.46 | 4.82 | 0.00 | 147 | 48 | decreasing | MS#40022 | |
| 07/09/02 | 930 | 1387 | 7.48 | 4.31 | 0.00 | 92 | 48 | decreasing | MS#40022 | |
| 08/05/02 | 845 | 13.91 | 8.05 | 3.58 | 0.07 | 69 | 48 | stable | MS#38148 | |
| 09/09/02 | 1438 | 14.38 | 7.95 | 5.15 | 0.45 | 70 | 48 | stable | MS#38149 | |
| 10/08/02 | 1040 | 13.97 | 7.82 | 1.42 | 0.41 | 86 | 48 | increasing | MS#38149 | |

**TAN-37C**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/08/01 | 1102 | 13.89 | 7.26 | 2.55 | 0.64 | 31 | 60 | decreasing | MS# 35771 | |
| 09/11/01 | 1420 | 13.85 | 7.39 | 2.68 | 0.39 | 26 | 62 | decreasing | MS# 35771 | |
| 10/10/01 | 927 | 12.94 | 7.00 | 3.02 | 0.08 | 26 | 52 | decreasing | MS# 35771 | |
| 11/06/01 | 1430 | 12.95 | 6.88 | 3.19 | 0.3 | 79 | 79 | decreasing | MS# 35770 | |
| 12/03/01 | 1344 | 12.48 | 7.08 | 3.21 | 0.03 | 52 | 51 | decreasing | MS# 35770 | |
| 01/09/02 | 1524 | 12.73 | 4.77 | 3.08 | 0.27 | -234 | 46 | increasing | MS#36982 | |
| 02/06/02 | 13.48 | 12.44 | 7.14 | 3.036 | 0.2 | -237 | 52 | increasing | MS#36982 | |
| 03/05/02 | 1443 | 12.41 | 7.1 | 2.81 | 0 | 48 | 49 | decreasing | MS#39681 | |
| 04/03/02 | 929 | 13.04 | 8.08 | 3.17 | 0.17 | -31 | 50 | decreasing | MS#38149 | |
| 04/17/02 | 10.22 | 12.91 | 8.23 | 3.5 | 0.29 | -21 | 58 | increasing | MS#38149 | |
| 05/01/02 | 957 | 13.08 | 8.33 | 3.46 | 0.15 | 5 | 43 | decreasing | MS#38149 | |
| 06/04/02 | 1433 | 13.46 | 7.19 | 3.03 | 0 | 244 | 46 | decreasing | MS#40022 | |
| 07/10/02 | 1006 | 13.82 | 7.48 | 2.78 | 0.00 | 37 | 66 | decreasing | MS#38149 | Purge time extended by 20 minutes because the Hydrolab reported "hardware measurement error" from minute 30 through 46 of the purge. |
| 08/05/02 | 1202 | 14.18 | 8.1 | 2.85 | 0.03 | 54 | 46 | decreasing | MS#38148 | |
| 09/09/02 | 1428 | 13.74 | 9.75 | 3.02 | 0.12 | 21 | 46 | decreasing | MS#38148 | |
| 10/08/02 | 1432 | 13.59 | 8.5 | 2.29 | 0.28 | -45 | 46 | decreasing | MS#38149 | The circulator has not worked the entire sampling round; flow should be sufficient through the cell to get adequate D.O. data. |

Purge data fpr TAN-37A and -37B

**TAN-37A**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/08/01 | 1139 | 16.24 | 7.51 | 1.000 | 0.00 | 184 | 20 | decreasing | MS# 35771 | |
| 09/11/01 | 1341 | 16.16 | 7.50 | 1.006 | 0.00 | 167 | 17 | stable | MS# 35771 | |
| 10/10/01 | 950 | 14.80 | 7.26 | 1.013 | 0.61 | 133 | 15 | increasing | MS# 35771 | |
| 11/06/01 | 1512 | 14.73 | 7.53 | 0.998 | 4.60 | 149 | 17 | increasing | MS# 35770 | |
| 12/03/01 | 1127 | 13.81 | 7.57 | 1.020 | 0.25 | 153 | 15 | decreasing | MS# 35770 | |
| 01/07/02 | 1218 | 14.6 | 5.34 | 0.9872 | 0.43 | -95 | 16 | stable | MS#36982 | |
| 02/06/02 | 1426 | 13.96 | 7.06 | 0.9729 | 0.61 | -156 | 18 | increasing | MS#36982 | |
| 03/05/02 | 1520 | 14.21 | 7.41 | 1.067 | 0.00 | 128 | 13 | stable | MS#39681 | |
| 04/03/02 | 1007 | 15.08 | 8.14 | 1.026 | 0.00 | 93 | 13 | increasing | MS#38149 | |
| 04/17/02 | 1044 | 14.7 | 8.54 | 1.017 | 0.42 | 19 | 12 | decreasing | MS#38149 | |
| 05/01/02 | 1100 | 15.05 | 8.46 | 1.031 | | 87 | 8 | decreasing | MS#38149 | DO readings not available. |
| 06/04/02 | 1329 | 15.74 | 6.76 | 0.974 | 0.00 | 522 | 8 | decreasing | MS#40022 | |
| 07/10/02 | 1044 | 16.04 | 7.10 | 1.020 | 0.03 | 193 | 8 | increasing | MS#38149 | |
| 08/05/02 | 1047 | 15.6 | 7.40 | 1.059 | 0.20 | 183 | 9 | stable | MS#38148 | |
| 09/09/02 | 1302 | 15.37 | 8.38 | 1.097 | 0.34 | 211 | 9 | increasing | MS#38148 | |
| 10/08/02 | 1334 | 15.76 | 7.68 | 1.089 | 0.48 | 133 | 8 | stable | MS#38149 | |

**TAN-37B**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 11/19/01 | 1030 | 14.30 | 7.42 | 1.1010 | 7.60 | 90 | 29 | increasing | MS# 35770 | |
| 12/10/01 | 1058 | 13.01 | 7.43 | 1.0620 | 0.81 | 277 | 19 | decreasing | MS# 35771 | |
| 01/08/02 | 1409 | 14.16 | 5.32 | 0.9660 | 0.00 | -62 | 22 | increasing | MS#36982 | |
| 02/06/02 | 1502 | 13.38 | 7.08 | 0.9800 | 0.37 | -155 | 30 | increasing | MS#36982 | Reel Frozen |
| 03/06/02 | 924 | 14.01 | 7.55 | 1.0200 | 0.00 | 158 | 28 | decreasing | MS#39681 | |
| 04/03/02 | 950 | 14.3 | 8.17 | 1.0620 | 0.00 | 71 | 13 | decreasing | MS#38149 | |
| 04/17/02 | 1100 | 13.92 | 8.56 | 1.0360 | 0.47 | 18 | 14 | decreasing | MS#38149 | |
| 05/01/02 | 1026 | 14.53 | 8.59 | 1.0570 | 0.00 | 45 | 16 | decreasing | MS#38149 | |
| 06/04/02 | 1344 | 15.05 | 7.23 | 1.0830 | 0.00 | 495 | 9 | decreasing | MS#40022 | |
| 07/10/02 | 1026 | 15.35 | 7 | 1.0230 | 0.11 | 207 | 9 | increasing | MS#38149 | |
| 08/05/02 | 1107 | 15.35 | 7.41 | 1.0660 | 0.22 | 195 | 9 | stable | MS#38148 | |
| 09/09/02 | 1329 | 14.97 | 8.32 | 1.0980 | 0.25 | 217 | 9 | increasing | MS#38148 | |
| 10/08/02 | 1318 | 14.91 | 7.85 | 1.1130 | 0.45 | 103 | 9 | decreasing | MS#38149 | |

Purge data for **TAN-28 and -30A**

**TAN-28**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/06/01 | 1115 | 14.48 | 7.68 | 0.876 | 0.61 | 264 | 48 | stable | MS# 35771 | |
| 09/10/01 | 1056 | 13.96 | 7.71 | 0.876 | 0.00 | 261 | 36 | increasing | MS# 35771 | |
| 10/08/01 | 1029 | 13.95 | 7.37 | 0.882 | 0.54 | 271 | 23 | increasing | MS# 35771 | |
| 11/05/01 | 1029 | 13.81 | 7.49 | 0.900 | 1.40 | 280 | 33 | increasing | MS# 35770 | |
| 12/05/01 | 925 | 12.90 | 7.52 | 0.950 | 0.00 | 202 | 22 | increasing | MS# 35770 | |
| 01/09/02 | 943 | 13.23 | 4.81 | 0.89 | 0.00 | -91 | 22 | increasing | MS#36982 | |
| 02/04/02 | 1113 | 13.08 | 7.03 | -8870 | 0.00 | -75 | 31 | decreasing | MS#36982 | |
| 03/04/02 | 1532 | 12.98 | 7.92 | 0.925 | 0.00 | 112 | 19 | stable | MS#39681 | |
| 04/01/02 | 1404 | 13.86 | 7.78 | 0.934 | 0.00 | 251 | 13 | increasing | MS#38149 | |
| 04/29/02 | 1348 | 13.69 | 8.2 | 0.925 | 0.00 | 222 | 13 | stable | MS#38149 | |
| 06/03/02 | 1435 | 13.51 | 7.45 | 0.866 | 0.00 | 433 | 17 | stable | MS#40022 | |
| 07/08/02 | 1329 | 1482 | 7.58 | 0.897 | 0.00 | 367 | 17 | stable | MS#40022 | |
| 08/05/02 | 1111 | 14.2 | 7.16 | 0.895 | 0.00 | 224 | 26 | decreasing | MS#38149 | |
| 09/09/02 | 1215 | 14.85 | 7.65 | 0.862 | 0.00 | 191 | 17 | decreasing | MS#38149 | |
| 10/07/02 | 1042 | 14.07 | 7.45 | 0.908 | 0.32 | 223 | 17 | decreasing | MS#38149 | |

**TAN-30A**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/06/01 | 1021 | 14.22 | 7.53 | 0.895 | 0.24 | 260 | 48 | stable | MS# 35771 | |
| 09/10/01 | 1017 | 13.53 | 7.60 | 0.878 | 0.00 | 260 | 46 | stable | MS# 35771 | |
| 10/08/01 | 957 | 13.46 | 7.30 | 0.898 | 0.10 | 267 | 27 | increasing | MS# 35771 | |
| 11/05/01 | 939 | 13.08 | 7.49 | 0.889 | 0.00 | 247 | 33 | increasing | MS# 35770 | |
| 12/05/01 | 901 | 11.85 | 7.51 | 0.913 | 0.11 | 218 | 27 | decreasing | MS# 35770 | |
| 01/09/02 | 1028 | 12.95 | 4.82 | 0.884 | 0.59 | -123 | 29 | stable | MS#36982 | |
| 02/04/02 | 1202 | 12.87 | 7.10 | 0.8835 | 0.11 | -138 | 32 | stable | MS#36982 | |
| 03/05/02 | 852 | 11.81 | 7.52 | 0.906 | 0.00 | 180 | 24 | increasing | MS#39681 | |
| 04/01/02 | 1426 | 13.32 | 7.82 | 0.919 | 0.00 | 183 | 24 | increasing | MS#38149 | |
| 04/29/02 | 1424 | 13.25 | 8.21 | 0.924 | | 205 | 13 | increasing | MS#38149 | |
| 06/03/02 | 1510 | 13.37 | 7.51 | 0.911 | 0.00 | 400 | 22 | stable | MS#40022 | |
| 07/08/02 | 1359 | 14.24 | 7.58 | 0.915 | 0.00 | 240 | 22 | decreasing | MS#40022 | |
| 08/05/02 | 1338 | 13.96 | 7.56 | 0.915 | 0.00 | 142 | 22 | decreasing | MS#38149 | |
| 09/09/02 | 1243 | 14.18 | 7.73 | 0.937 | 0.18 | 167 | 22 | decreasing | MS#38149 | |
| 10/07/02 | 1011 | 13.41 | 7.73 | 0.829 | 0.31 | 162 | 22 | decreasing | MS#38149 | |

Purge data for TAN-1OA and -27

| TAN-10A | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
| 08/06/01 | 1354 | 14.08 | 7.65 | 0.828 | 2.34 | 114 | 37 | decreasing | MS# 35771 | |
| 09/10/01 | 1334 | 12.87 | 7.63 | 0.828 | 2.00 | 123 | 32 | decreasing | MS# 35771 | |
| 10/08/01 | 1345 | 12.91 | 7.32 | 0.823 | 1.48 | 172 | 33 | increasing | MS# 35771 | |
| 11/05/01 | 1308 | 12.64 | 7.44 | 0.853 | 15.20 | 188 | 34 | decreasing | MS# 35770 | |
| 12/06/01 | 1050 | 11.63 | 7.45 | 0.869 | 1.62 | 206 | 27 | decreasing | MS# 35771 | |
| 01/09/02 | 1408 | 11.84 | 4.84 | 0.781 | 0.94 | -144 | 36 | stable | MS#36982 | |
| 02/06/02 | 1132 | 11.65 | 7.11 | 0.8077 | 1.89 | -47 | 34 | increasing | MS#36982 | |
| 03/04/02 | 1214 | 10.65 | 7.25 | 0.845 | 0.00 | 186 | 32 | increasing | MS#39681 | |
| 04/01/02 | 1000 | 12.17 | 8.03 | 0.821 | 0.00 | 137 | 35 | stable | MS#38149 | |
| 04/29/02 | 1055 | 12.32 | 8.36 | 0.849 | 0.38 | 123 | 28 | stable | MS#38149 | |
| 06/03/02 | 1114 | 12.22 | 7.26 | 0.812 | 0.00 | 314 | 29 | decreasing | MS#40022 | |
| 07/08/02 | 1101 | 13.16 | 7.75 | 0.831 | 0.00 | 229 | 29 | stable | MS#40022 | |
| 08/05/02 | 930 | 12.61 | 7.86 | 0.817 | 0.00 | 131 | 29 | decreasing | MS#38149 | |
| 09/09/02 | 1109 | 13.1 | 8.04 | 0.819 | 0.00 | | 29 | decreasing | MS#38149 | Laptop quit working at 1109. It says the battery is dead, but it is plugged into the generator. |
| 10/07/02 | 1447 | 12.85 | 7.98 | 0.827 | 0.30 | 123 | 29 | stable | MS#38149 | |

| TAN-27 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
| 08/06/01 | 1449 | 13.83 | 7.55 | 0.799 | 0.00 | 185 | 36 | increasing | MS# 35771 | |
| 09/10/01 | 1426 | 13.00 | 7.63 | 0.780 | 0.00 | 129 | 34 | stable | MS# 35771 | |
| 10/08/01 | 1444 | 12.91 | 7.28 | 0.785 | 0.00 | 207 | 35 | decreasing | MS# 35771 | |
| 11/05/01 | 1354 | 12.66 | 7.47 | 0.785 | 0.00 | 232 | 36 | stable | MS# 35770 | |
| 12/06/01 | 947 | 11.55 | 7.47 | 0.814 | 0.00 | 244 | 29 | increasing | MS# 35771 | |
| 01/09/02 | 1306 | 12.03 | 4.87 | 0.768 | 0.06 | -124 | 39 | stable | MS#36982 | |
| 02/06/02 | 1024 | 11.09 | 7.11 | 0.780 | 0.32 | -132 | 36 | decreasing | MS#36982 | |
| 03/04/02 | 1042 | 12.11 | 7.43 | 0.822 | 0.00 | 258 | 34 | stable | MS#39681 | |
| 04/04/02 | 1152 | 12.77 | 7.98 | 0.770 | 0.00 | 141 | 35 | stable | MS#38149 | |
| 04/29/02 | 957 | 12.49 | 9.29 | 0.812 | 0.00 | 145 | 23 | increasing | MS#38149 | |
| 06/03/02 | 1019 | 12.67 | 7.69 | 0.795 | 0.00 | 409 | 29 | stable | MS#40022 | |
| 07/08/02 | 1010 | 13.41 | 7.68 | 0.788 | 0.00 | 305 | 31 | stable | MS#40022 | |
| 08/05/02 | 840 | 12.90 | 7.78 | 0.788 | 0.00 | 179 | 32 | decreasing | MS#38149 | |
| 09/09/02 | 1023 | 13.33 | 7.77 | 0.798 | 0.00 | 192 | 29 | decreasing | MS#38149 | |
| 10/07/02 | 1355 | 12.89 | 7.4 | 0.798 | 0.30 | 236 | 29 | decreasing | MS#38149 | |

Purge data for TAN-D2 and -29

**TAN-D2**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/07/01 | 908 | 14.08 | 9.17 | 1.090 | 0.00 | -59 | 39 | decreasing | MS# 35771 | |
| 09/10/01 | 1524 | 14.20 | 8.03 | 1.051 | 0.33 | -33 | 36 | decreasing | MS# 35771 | |
| 10/08/01 | 1207 | 13.67 | 7.77 | 0.862 | 0.00 | -57 | 35 | stable | MS# 35771 | |
| 11/05/01 | 1456 | 13.11 | 7.47 | 1.065 | 0.00 | 38 | 36 | decreasing | MS# 35770 | |
| 12/04/01 | 1445 | 12.29 | 7.67 | 1.048 | 0.00 | -18 | 21 | decreasing | MS# 35770 | |
| 01/08/02 | 1547 | 12.81 | 4.96 | 0.8904 | 0.00 | -332 | 33 | decreasing | MS#36982 | Surveyor battery dies; missed last reading. |
| 02/05/02 | 1439 | 11.75 | 7.17 | 1.014 | 0.19 | -322 | 34 | increasing | MS#36982 | |
| 03/05/02 | 1337 | 14.23 | 6.98 | 1.89 | 0.00 | 48 | 34 | decreasing | MS#39681 | |
| 04/02/02 | 1356 | 13.18 | 8.17 | 1.399 | 0.00 | 2 | 34 | decreasing | MS#39681 | |
| 04/30/02 | 1415 | 13.48 | 8.78 | 1.151 | 0.00 | -26 | 23 | increasing | MS#38149 | |
| 06/04/02 | 1134 | 13.67 | 7.52 | 1.105 | 0.00 | 30 | 31 | decreasing | MS#40022 | Unable to access Procomm on laptop. |
| 07/09/02 | 1407 | 14.13 | 7.76 | 1.078 | 0.0 | 7 | 30 | decreasing | MS#40022 | |
| 08/05/02 | 1007 | 14.38 | 8.24 | 1.296 | 0.10 | 52 | 30 | decreasing | MS#38149 | |
| 09/09/02 | 1530 | 14.60 | 8.74 | 1.219 | 0.37 | -14 | 30 | decreasing | MS#38149 | |
| 10/07/02 | 1528 | 12.92 | 8.35 | 1.63 | 0.37 | 30 | 30 | decreasing | MS#38149 | |

**TAN-29**

| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min.) | ORP Trend | Mini Sonde No. | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/06/01 | 1220 | 17.15 | 7.70 | 0.771 | 0.41 | 250 | 38 | decreasing | MS# 35771 | |
| 09/10/01 | 1154 | 15.24 | 7.70 | 0.786 | 0.00 | 203 | 40 | increasing | MS# 35771 | |
| 10/08/01 | 1117 | 15.12 | 7.49 | 0.817 | 0.00 | 227 | 36 | decreasing | MS# 35771 | |
| 11/05/01 | 1124 | 14.83 | 7.75 | 0.826 | 0.00 | 191 | 42 | decreasing | MS# 35770 | |
| 12/05/01 | 1014 | 13.52 | 7.76 | 0.845 | 0.00 | 155 | 39 | increasing | MS# 35770 | |
| 01/09/02 | 1132 | 14.19 | 4.83 | 0.789 | 0.04 | -171 | | stable | MS#36982 | Unable to calculate purge time. |
| 02/04/02 | 1410 | 14.08 | 7.09 | 0.7894 | 0.06 | -180 | 41 | increasing | MS#36982 | |
| 03/05/02 | 943 | 13.56 | 7.51 | 0.852 | 0.00 | 118 | 37 | increasing | MS#39681 | |
| 04/01/02 | 1514 | 14.39 | 8.18 | 0.793 | 0.00 | 142 | 34 | increasing | MS#38149 | |
| 04/29/02 | 1159 | 14.28 | 8.49 | 0.761 | 0.03 | 157 | 23 | stable | MS#38149 | |
| 06/03/02 | 1553 | 14.19 | 7.74 | 0.733 | 0.00 | 405 | 31 | decreasing | MS#40022 | |
| 07/09/02 | 1141 | 14.99 | 7.78 | 0.736 | 0.00 | 284 | 32 | increasing | MS#40022 | |
| 08/05/02 | 1022 | 14.7 | 7.57 | 0.761 | 0.33 | 240 | 31 | increasing | MS#38149 | |
| 09/09/02 | 1332 | 15.39 | 7.82 | 0.731 | 0.00 | 186 | 31 | increasing | MS#38149 | |
| 10/07/02 | 1139 | 14.54 | 7.79 | 0.823 | 0.53 | 169 | 31 | decreasing | MS#38149 | |

Tracer Test Purge Data for TAN-25 and -31

| TAN-25 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/29/02 | 856 | 15.24 | 7.88 | 7.07 | 0.30 | -17 | 27 | stable | |
| 07/30/02 | 834 | 15.82 | 8.03 | 4.59 | 0.23 | -26 | 27 | stable | |
| 07/30/02 | 1656 | 17.50 | 7.88 | 18.60 | 0.07 | -108 | 37 | stable | |
| 07/31/02 | 1436 | 16.88 | 7.75 | 12.03 | 0.11 | 27 | 27 | decreasing | |
| 08/01/02 | 1302 | 16.89 | 7.34 | 11.67 | 0.32 | 44 | 30 | decreasing | |
| 08/02/02 | 1117 | 16.04 | 7.93 | 10.64 | 0.16 | 30 | 27 | decreasing | |
| 08/05/02 | 1437 | 16.53 | 8.1 | 10.74 | 0.09 | 26 | 27 | decreasing | |
| 08/06/02 | 1337 | 16.86 | 7.29 | 10.56 | 0.61 | 54 | 27 | stable | |
| 08/07/02 | 1236 | 16.64 | 8.31 | 10.26 | 0.08 | 46 | 27 | decreasing | |
| 08/08/02 | 1328 | 16.66 | 8.2 | 10.01 | 0.13 | 53 | 27 | stable | |

| TAN-31 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/29/02 | 853 | 15.11 | 7.47 | 2.57 | 0.06 | 12 | 32 | decreasing | |
| 07/30/02 | 833 | 15.00 | 7.87 | 3.05 | 0.12 | 5 | 35 | decreasing | |
| 07/30/02 | 1655 | 17.96 | 7.31 | 12.75 | 0.04 | -34 | 32 | decreasing | |
| 07/31/02 | 1348 | 16.22 | 7.76 | 8.80 | 0.16 | -59 | 36 | decreasing | |
| 08/01/02 | 1315 | 16.14 | 7.24 | 7.98 | 0.15 | 13 | 34 | decreasing | |
| 08/02/02 | 1121 | 15.45 | 7.7 | 7.34 | 0.31 | 8 | 32 | decreasing | |
| 08/05/02 | 1343 | 15.97 | 8.08 | 6.31 | 0.1 | 31 | 32 | decreasing | |
| 08/06/02 | 1337 | 16.29 | 8.14 | 6.03 | 0.13 | 35 | 32 | decreasing | |
| 08/07/02 | 1257 | 16.13 | 7.46 | 5.81 | 0.23 | 7 | 32 | decreasing | |
| 08/08/02 | 1342 | 16.08 | 7.62 | 5.57 | 0.17 | 8 | 32 | decreasing | |

Tracer Test Purge Data for TAN-26 and -37C

| TAN-26 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/29/02 | 1448 | 15.45 | 7.67 | 4.15 | 0.28 | 53 | 48 | stable | |
| 07/30/02 | 1557 | 15.69 | 7.61 | 2.07 | 0.05 | 55 | 48 | stable | |
| 07/31/02 | 859 | 14.34 | 7.65 | 3.46 | 0.32 | 93 | 48 | stable | |
| 07/31/02 | 1534 | 15.14 | 7.68 | 3.16 | 0.12 | 72 | 49 | decreasing | |
| 08/01/02 | 850 | 14.15 | 7.45 | 3.47 | 0.65 | 97 | 48 | stable | |
| 08/01/02 | 1358 | 15.28 | 7.45 | 3.47 | 0.44 | 90 | 48 | stable | |
| 08/02/02 | 832 | 13.84 | 7.98 | 3.48 | 0.07 | 62 | 48 | decreasing | |
| 08/02/02 | 1407 | 15.18 | 8.06 | 3.48 | 0.08 | 72 | 48 | decreasing | |
| 08/05/02 | 1545 | 15.4 | 8.09 | 3.6 | 0.07 | 75 | 50 | decreasing | |
| 08/06/02 | 900 | 14.28 | 7.55 | 3.58 | 0.2 | 99 | 51 | stable | |
| 08/06/02 | 1433 | 15.39 | 7.43 | 3.58 | 0.15 | 99 | 46 | decreasing | |
| 08/07/02 | 827 | 13.89 | 8.31 | 3.7 | 0.13 | 70 | 48 | stable | |
| 08/07/02 | 1332 | 15.11 | 8.23 | 3.65 | 0.1 | 83 | 48 | stable | |
| 08/08/02 | 849 | 14.07 | 8.24 | 3.77 | 0.1 | 76 | 48 | stable | |
| 08/08/02 | 1422 | 15.12 | 8.23 | 3.74 | 0.07 | 82 | 48 | stable | |

| TAN-37C | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/31/02 | 1203 | 14.77 | 8.31 | 2.20 | 0.15 | -117 | 49 | decreasing | |
| 08/01/02 | 1058 | 14.21 | 8.09 | 2.76 | 0.40 | -43 | 46 | decreasing | |
| 08/01/02 | 1548 | 14.55 | 8.02 | 2.68 | 0.11 | -32 | 46 | decreasing | |
| 08/02/02 | 1025 | 13.76 | 8.03 | 2.77 | 0.05 | 47 | 46 | decreasing | |
| 08/02/02 | 1600 | 15.11 | 8.24 | 2.76 | 0.11 | 43 | 46 | decreasing | |
| 08/05/02 | 1615 | 14.22 | 8.3 | 2.68 | 0.3 | -90 | 46 | decreasing | 1533 - had to reboot program software because readings quit. |
| 08/06/02 | 1118 | 14.47 | 7.73 | 2.83 | 0.23 | 45 | 45 | decreasing | pump was turned off at 1052 to 1058. |
| 08/06/02 | 1615 | 15.18 | 7.78 | 2.75 | 0.16 | 5 | 46 | decreasing | |
| 08/07/02 | 1040 | 14.21 | 8.42 | 2.8 | 0.1 | 50 | 46 | decreasing | |
| 08/07/02 | 1517 | 15.05 | 7.83 | 1.79 | 0.17 | -56 | 46 | decreasing | |
| 08/08/02 | 1129 | 14.22 | 8.16 | 2.89 | 0.08 | 47 | 46 | stable | |
| 08/08/02 | 1606 | 14.39 | 8.19 | 2.88 | 0.23 | -41 | 46 | decreasing | |

Tracer Test Purge Data for TAN-37A and -37B

| TAN-37A | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/31/02 | 1055 | 16.46 | 7.08 | 1.051 | 0.15 | 190 | 11 | decreasing | |
| 08/01/02 | 1049 | 16.04 | 6.81 | 1.042 | 0.07 | 259 | 9 | increasing | |
| 08/01/02 | 1518 | 16.92 | 6.95 | 1.043 | 0.08 | 242 | 9 | increasing | |
| 08/02/02 | 953 | 15.45 | 7.31 | 1.061 | 0.66 | 196 | 9 | decreasing | |
| 08/02/02 | 1532 | 17.85 | 7.1 | 0.003 | 2.91 | 231 | 9 | increasing | |
| 08/05/02 | 1505 | 16.63 | 7.01 | 1.07 | 0.63 | 245 | 9 | decreasing | |
| 08/06/02 | 1150 | 16.91 | 7.42 | 1.069 | 0.37 | 131 | 9 | increasing | |
| 08/06/02 | 1552 | 17.21 | 7.57 | 1.062 | 0.2 | 177 | 9 | decreasing | |
| 08/07/02 | 934 | 15.71 | 7.58 | 1.068 | 0.29 | 210 | 9 | increasing | |
| 08/07/02 | 1436 | 16.94 | 7.59 | 1.072 | 0.24 | 200 | 9 | decreasing | |
| 08/08/02 | 1027 | 16.04 | 6.6 | 1.074 | 0.23 | 249 | 9 | increasing | |
| 08/08/02 | 1535 | 16.89 | 7.4 | 1.08 | 0.45 | 205 | 9 | stable | |

| TAN-37B | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/31/02 | 1110 | 16.28 | 7.50 | 1.047 | 0.19 | 159 | 10 | decreasing | |
| 08/01/02 | 1103 | 15.54 | 6.86 | 1.046 | 0.25 | 252 | 9 | stable | |
| 08/01/02 | 1533 | 16.14 | 7.06 | 1.062 | 0.13 | 243 | 9 | stable | |
| 08/02/02 | 1007 | 15.01 | 7.26 | 1.065 | 0.71 | 208 | 9 | decreasing | |
| 08/02/02 | 1546 | 16.42 | 7.08 | 0.002 | 6.53 | 255 | 9 | increasing | |
| 08/05/02 | 1523 | 15.65 | 6.86 | 1.072 | 0.46 | 232 | 9 | decreasing | |
| 08/06/02 | 1135 | 16.13 | 7.52 | 1.077 | 0.44 | 107 | 9 | decreasing | |
| 08/06/02 | 1606 | 16.43 | 7.51 | 1.065 | 0.22 | 198 | 9 | decreasing | |
| 08/07/02 | 948 | 15.15 | 7.62 | 1.053 | 0.30 | 208 | 9 | stable | |
| 08/07/02 | 1450 | 16.56 | 7.64 | 1.071 | 0.28 | 206 | 9 | increasing | |
| 08/08/02 | 1039 | 15.37 | 6.9 | 1.073 | 0.22 | 237 | 9 | stable | |
| 08/08/02 | 1545 | 15.99 | 7.46 | 1.080 | 0.29 | 212 | 9 | increasing | |

Tracer Test Purge Data for TAN-D2

| TAN-D2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Temp (Celsius) | pH | Cond (mS/cm) | DO (mg/L) | ORP (mV) | Purge time (min) | ORP Trend | Notes |
| 07/30/02 | 1549 | 15.56 | 7.83 | 1.037 | 0.06 | -2 | 30 | stable | |
| 07/31/02 | 1013 | 14.74 | 7.80 | 1.361 | 0.16 | 70 | 32 | decreasing | |
| 08/01/02 | 940 | 14.44 | 7.72 | 1.97 | 0.48 | 63 | 30 | decreasing | |
| 08/01/02 | 1442 | 15.43 | 7.85 | 1.339 | 0.30 | 56 | 30 | decreasing | |
| 08/02/02 | 915 | 13.8 | 8.16 | 1.305 | 0.04 | 43 | 32 | decreasing | |
| 08/02/02 | 1453 | 15.77 | 8.19 | 1.299 | 0.07 | 59 | 30 | decreasing | |
| 08/05/02 | 1631 | 15.63 | 8.37 | 1.244 | 0.05 | 31 | 30 | decreasing | |
| 08/06/02 | 958 | 14.56 | 7.94 | 1.254 | 0.07 | 27 | 30 | decreasing | |
| 08/06/02 | 1517 | 15.57 | 7.9 | 1.241 | 0.25 | 9 | 30 | decreasing | |
| 08/07/02 | 909 | 14.27 | 8.45 | 1.259 | 0.04 | 34 | 30 | decreasing | |
| 08/07/02 | 1412 | 15.62 | 8.58 | 1.229 | 0.05 | 30 | 30 | decreasing | |
| 08/08/02 | 929 | 14.23 | 8.47 | 1.258 | 0.07 | 29 | 30 | decreasing | |
| 08/08/02 | 1503 | 15.12 | 8.42 | 1.225 | 0.07 | 34 | 30 | decreasing | |

Tracer Test Data

| Injection Line Bromide, ISB Tracer Test 2002 | | |
|---|---|---|
| **Date** | **Time** | **Br- (mg/L)** |
| 07/29/02 | 9:01 | 9520 |
| 07/29/02 | 9:02 | 11300 |
| 07/29/02 | 9:03 | 11000 |
| 07/29/02 | 9:04 | 10600 |
| 07/29/02 | 9:05 | 9880 |
| 07/29/02 | 9:06 | 11000 |
| 07/29/02 | 9:07 | 10200 |
| 07/29/02 | 9:08 | 9260 |
| 07/29/02 | 9:09 | 9220 |
| 07/29/02 | 9:10 | 8890 |
| 07/29/02 | 9:11 | 8920 |
| 07/29/02 | 9:12 | 9110 |
| 07/29/02 | 9:13 | 8530 |
| 07/29/02 | 9:14 | 8260 |
| 07/29/02 | 9:15 | 8670 |
| 07/29/02 | 9:16 | 8570 |
| 07/29/02 | 9:17 | 8430 |
| 07/29/02 | 9:18 | 8600 |
| 07/29/02 | 9:19 | 8230 |
| 07/29/02 | 9:20 | 7900 |
| 07/29/02 | 9:21 | 7900 |
| 07/29/02 | 9:22 | 8550 |
| 07/29/02 | 9:23 | 8600 |
| 07/29/02 | 9:24 | 8570 |
| 07/29/02 | 9:25 | 8360 |
| 07/29/02 | 9:26 | 8530 |
| 07/29/02 | 9:27 | 9030 |
| **Average** | | **9097.4** |

Tracer **Test** Data

| TAN-25 Bromide. ISB Tracer Test 2002 | | | | |
|---|---|---|---|---|
| Date | Time | Hours after injection | $Br^-$ (mg/L) | C/Co |
| 7/29/02 | 9:01 | 0:00 | 3.63 | 3.99E-04 |
| 7/29/02 | 9:09 | 0:08 | 1.73 | 1.90E-04 |
| 7/29/02 | 9:13 | 0:12 | 2.23 | 2.45E-04 |
| 7/29/02 | 9:17 | 0:16 | 2.34 | 2.57E-04 |
| 7/29/02 | 9:18 | 0:17 | 2.6 | 2.86E-04 |
| 7/29/02 | 9:21 | 0:20 | 1.46 | 1.60E-04 |
| 7/29/02 | 9:25 | 0:24 | 2.65 | 2.91E-04 |
| 7/29/02 | 9:29 | 0:28 | 2.36 | 2.59E-04 |
| 7/29/02 | 9:33 | 0:32 | 12.4 | 1.36E-03 |
| 7/29/02 | 9:37 | 0:36 | 61.6 | 6.77E-03 |
| 7/29/02 | 9:41 | 0:40 | 222 | 2.44E-02 |
| 7/29/02 | 9:45 | 0:44 | 362 | 3.98E-02 |
| 7/29/02 | 9:49 | 0:48 | 537 | 5.90E-02 |
| 7/29/02 | 9:53 | 0:52 | 780 | 8.57E-02 |
| 7/29/02 | 9:57 | 0:56 | 1090 | 1.20E-01 |
| 7/29/02 | 10:01 | 1:00 | 1130 | 1.24E-01 |
| 7/29/02 | 10:05 | 1:04 | 1800 | 1.98E-01 |
| 7/29/02 | 10:09 | 1:08 | 1820 | 2.00E-01 |
| 7/29/02 | 10:13 | 1:12 | 1640 | 1.80E-01 |
| 7/29/02 | 10:17 | 1:16 | 1492 | 1.64E-01 |
| 7/29/02 | 10:21 | 1:20 | 1438 | 1.58E-01 |
| 7/29/02 | 10:25 | 1:24 | 1364 | 1.50E-01 |
| 7/29/02 | 10:29 | 1:28 | 1268 | 1.39E-01 |
| 7/29/02 | 10:33 | 1:32 | 1132 | 1.24E-01 |
| 7/29/02 | 10:36 | 1:35 | 1380 | 1.52E-01 |
| 7/29/02 | 10:37 | 1:36 | 1010 | 1.11E-01 |
| 7/29/02 | 10:41 | 1:40 | 908 | 9.98E-02 |
| 7/29/02 | 10:42 | 1:41 | 1320 | 1.45E-01 |
| 7/29/02 | 10:45 | 1:44 | 1030 | 1.13E-01 |
| 7/29/02 | 10:48 | 1:47 | 1250 | 1.37E-01 |
| 7/29/02 | 10:49 | 1:48 | 871 | 9.57E-02 |
| 7/29/02 | 10:53 | 1:52 | 647 | 7.11E-02 |
| 7/29/02 | 10:54 | 1:53 | 968 | 1.06E-01 |
| 7/29/02 | 10:57 | 1:56 | 685 | 7.53E-02 |
| 7/29/02 | 11:01 | 2:00 | 609 | 6.69E-02 |
| 7/29/02 | 11:05 | 2:04 | 532 | 5.85E-02 |
| 7/29/02 | 11:09 | 2:08 | 505 | 5.55E-02 |
| 7/29/02 | 11:13 | 2:12 | 465 | 5.11E-02 |
| 7/29/02 | 11:17 | 2:16 | 450 | 4.95E-02 |
| 7/29/02 | 11:21 | 2:20 | 431 | 4.74E-02 |
| 7/29/02 | 11:25 | 2:24 | 405 | 4.45E-02 |
| 7/29/02 | 11:29 | 2:28 | 403 | 4.43E-02 |
| 7/29/02 | 11:33 | 2:32 | 343 | 3.77E-02 |
| 7/29/02 | 11:37 | 2:36 | 377 | 4.14E-02 |
| 7/29/02 | 11:41 | 2:40 | 426 | 4.68E-02 |
| 7/29/02 | 11:45 | 2:44 | 346 | 3.80E-02 |
| 7/29/02 | 11:49 | 2:48 | 335 | 3.68E-02 |
| 7/29/02 | 11:53 | 2:52 | 323 | 3.55E-02 |
| 7/29/02 | 12:01 | 3:00 | 301 | 3.31E-02 |

Tracer **Test** Data

| TAN95 Bromide, ISB Tracer Test 2002 | | | | |
|---|---|---|---|---|
| Date | Time | Hours after injection | $Br^-$ (mg/L) | C/Co |
| 7/29/02 | 12:05 | 3:04 | 292 | 3.21E-02 |
| 7/29/02 | 12:09 | 3:08 | 286 | 3.14E-02 |
| 7/29/02 | 12:13 | 3:12 | 290 | 3.19E-02 |
| 7/29/02 | 12:17 | 3:16 | 248 | 2.73E-02 |
| 7/29/02 | 12:21 | 3:20 | 265 | 2.91E-02 |
| 7/29/02 | 12:25 | 3:24 | 248 | 2.73E-02 |
| 7/29/02 | 12:29 | 3:28 | 295 | 3.24E-02 |
| 7/29/02 | 12:33 | 3:32 | 228 | 2.51E-02 |
| 7/29/02 | 12:37 | 3:36 | 229 | 2.52E-02 |
| 7/29/02 | 12:41 | 3:40 | 219 | 2.41E-02 |
| 7/29/02 | 12:42 | 3:41 | 228 | 2.51E-02 |
| 7/29/02 | 12:45 | 3:44 | 212 | 2.33E-02 |
| 7/29/02 | 12:49 | 3:48 | 214 | 2.35E-02 |
| 7/29/02 | 12:53 | 3:52 | 196 | 2.15E-02 |
| 7/29/02 | 12:57 | 3:56 | 233 | 2.56E-02 |
| 7/29/02 | 13:01 | 4:00 | 196 | 2.15E-02 |
| 7/29/02 | 13:05 | 4:04 | 193 | 2.12E-02 |
| 7/29/02 | 13:09 | 4:08 | 185 | 2.03E-02 |
| 7/29/02 | 13:13 | 4:12 | 186 | 2.04E-02 |
| 7/29/02 | 13:17 | 4:16 | 172 | 1.89E-02 |
| 7/29/02 | 13:21 | 4:20 | 156 | 1.71E-02 |
| 7/29/02 | 13:25 | 4:24 | 152 | 1.67E-02 |
| 7/29/02 | 13:29 | 4:28 | 179 | 1.97E-02 |
| 7/29/02 | 13:33 | 4:32 | 93 | 1.02E-02 |
| 7/29/02 | 13:37 | 4:36 | 97.6 | 1.07E-02 |
| 7/29/02 | 13:41 | 4:40 | 97.2 | 1.07E-02 |
| 7/29/02 | 13:45 | 4:44 | 98 | 1.08E-02 |

Tracer Test Data

| Date | Time | Hours after injection | $Br^-$ (mg/L) | C/Co |
|---|---|---|---|---|
| 07/29/02 | 9:01 | 0:00 | 3.32 | 3.65E-04 |
| 07/29/02 | 9:06 | 0:05 | 3.63 | 3.99E-04 |
| 07/29/02 | 9:12 | 0:11 | 2.69 | 2.96E-04 |
| 07/29/02 | 9:18 | 0:17 | 1.44 | 1.58E-04 |
| 07/29/02 | 9:24 | 0:23 | 2.07 | 2.28E-04 |
| 07/29/02 | 9:30 | 0:29 | 2 | 2.20E-04 |
| 07/29/02 | 9:36 | 0:35 | 1.49 | 1.64E-04 |
| 07/29/02 | 9:42 | 0:41 | 1.51 | 1.66E-04 |
| 07/29/02 | 9:48 | 0:47 | 2.13 | 2.34E-04 |
| 07/29/02 | 9:54 | 0:53 | 2.77 | 3.04E-04 |
| 07/29/02 | 10:00 | 0:59 | 7.49 | 8.23E-04 |
| 07/29/02 | 10:06 | 1:05 | 19.4 | 2.13E-03 |
| 07/29/02 | 10:07 | 1:06 | 38.2 | 4.20E-03 |
| 07/29/02 | 10:12 | 1:11 | 73.4 | 8.07E-03 |
| 07/29/02 | 10:18 | 1:17 | 178 | 1.96E-02 |
| 07/29/02 | 10:24 | 1:23 | 307 | 3.37E-02 |
| 07/29/02 | 10:30 | 1:29 | 1120 | 1.23E-01 |
| 07/29/02 | 10:36 | 1:35 | 1380 | 1.52E-01 |
| 07/29/02 | 10:42 | 1:41 | 1320 | 1.45E-01 |
| 07/29/02 | 10:48 | 1:47 | 1250 | 1.37E-01 |
| 07/29/02 | 10:54 | 1:53 | 968 | 1.06E-01 |
| 07/29/02 | 11:00 | 1:59 | 1070 | 1.18E-01 |
| 07/29/02 | 11:06 | 2:05 | 1130 | 1.24E-01 |
| 07/29/02 | 11:12 | 2:11 | 1010 | 1.11E-01 |
| 07/29/02 | 11:18 | 2:17 | 830 | 9.12E-02 |
| 07/29/02 | 11:24 | 2:23 | 680 | 7.47E-02 |
| 07/29/02 | 11:30 | 2:29 | 549 | 6.03E-02 |
| 07/29/02 | 11:42 | 2:41 | 449 | 4.94E-02 |
| 07/29/02 | 11:48 | 2:47 | 354 | 3.89E-02 |
| 07/29/02 | 11:54 | 2:53 | 320 | 3.52E-02 |
| 07/29/02 | 12:00 | 2:59 | 302 | 3.32E-02 |
| 07/29/02 | 12:06 | 3:05 | 294 | 3.23E-02 |
| 07/29/02 | 12:12 | 3:11 | 264 | 2.90E-02 |
| 07/29/02 | 12:18 | 3:17 | 254 | 2.79E-02 |
| 07/29/02 | 12:24 | 3:23 | 226 | 2.48E-02 |
| 07/29/02 | 12:30 | 3:29 | 223 | 2.45E-02 |
| 07/29/02 | 12:36 | 3:35 | 218 | 2.40E-02 |
| 07/29/02 | 12:42 | 3:41 | 190 | 2.09E-02 |
| 07/29/02 | 12:54 | 3:53 | 183 | 2.01E-02 |
| 07/29/02 | 13:00 | 3:59 | 179 | 1.97E-02 |
| 07/29/02 | 13:06 | 4:05 | 168 | 1.85E-02 |
| 07/29/02 | 13:12 | 4:11 | 169 | 1.86E-02 |
| 07/29/02 | 13:18 | 4:17 | 180 | 1.98E-02 |
| 07/29/02 | 13:24 | 4:23 | 179 | 1.97E-02 |
| 07/29/02 | 13:30 | 4:29 | 146 | 1.60E-02 |
| 07/29/02 | 13:36 | 4:35 | 148 | 1.63E-02 |
| 07/29/02 | 13:42 | 4:41 | 156 | 1.71E-02 |
| 07/29/02 | 13:48 | 4:47 | 147 | 1.62E-02 |
| 07/29/02 | 13:54 | 4:53 | 148 | 1.63E-02 |

**Tracer Test** Data

| TAN31 Bromide, ISB Tracer Test 2002 | | | | |
|---|---|---|---|---|
| Date | Time | Hours after injection | $Br^-$ (mg/L) | C/Co |
| 07/29/02 | 14:00 | 4:59 | 146 | 1.60E-02 |
| 07/29/02 | 14:06 | 5:05 | 138 | 1.52E-02 |
| 07/29/02 | 14:12 | 5:11 | 142 | 1.56E-02 |
| 07/29/02 | 14:13 | 5:12 | 154 | 1.69E-02 |
| 07/29/02 | 14:18 | 5:17 | 160 | 1.76E-02 |
| 07/29/02 | 14:24 | 5:23 | 156 | 1.71E-02 |
| 07/29/02 | 14:30 | 5:29 | 124 | 1.36E-02 |
| 07/29/02 | 14:36 | 5:35 | 125 | 1.37E-02 |
| 07/29/02 | 14:42 | 5:41 | 120 | 1.32E-02 |
| 07/29/02 | 14:48 | 5:47 | 124 | 1.36E-02 |
| 07/29/02 | 14:54 | 5:53 | 124 | 1.36E-02 |
| 07/29/02 | 15:00 | 5:59 | 124 | 1.36E-02 |
| 07/29/02 | 15:06 | 6:05 | 103 | 1.13E-02 |
| 07/29/02 | 15:12 | 6:11 | 119 | 1.31E-02 |
| 07/29/02 | 15:18 | 6:17 | 118 | 1.30E-02 |
| 07/29/02 | 15:24 | 6:23 | 120 | 1.32E-02 |

Tracer Test Data

| Injection [illegible] st 2002 | [illegible] | ISB Tracer |
|---|---|---|
| Date | Time | $I^-$ (mg/L) |
| 7/30/2002 | 8:37 | 13200 |
| 7/30/2002 | 8:38 | 12400 |
| 7/30/2002 | 8:39 | 12200 |
| 7/30/2002 | 8:40 | 12300 |
| 7/30/2002 | 8:41 | 14200 |
| 7/30/2002 | 8:42 | 12500 |
| 7/30/2002 | 8:43 | 12300 |
| 7/30/2002 | 8:44 | 12700 |
| 7/30/2002 | 8:45 | 12100 |
| 7/30/2002 | 8:46 | 12200 |
| 7/30/2002 | 8:47 | 11700 |
| 7/30/2002 | 8:48 | 12200 |
| 7/30/2002 | 8:49 | 11900 |
| 7/30/2002 | 8:50 | 12500 |
| 7/30/2002 | 8:51 | 15600 |
| 7/30/2002 | 8:52 | 11900 |
| 7/30/2002 | 8:53 | 12400 |
| 7/30/2002 | 8:54 | 12400 |
| 7/30/2002 | 8:55 | 11600 |
| 7/30/2002 | 8:56 | 11800 |
| 7/30/2002 | 8:57 | 11100 |
| 7/30/2002 | 8:58 | 11100 |
| 7/30/2002 | 8:59 | 11600 |
| 7/30/2002 | 9:00 | 11200 |
| 7/30/2002 | 9:01 | 12400 |
| **Average** | | **12300** |

Tracer Test Data

| Injection Line COD, ISB Tracer Test 2002 | | | |
|---|---|---|---|
| Date | Time | Date/Time | COD (mg/L) |
| 7/30/2002 | 8:38 | 7/30/2002 8:38 | 35820 |
| 7/30/2002 | 8:49 | 7/30/2002 8:49 | 31410 |
| 7/30/2002 | 9:02 | 7/30/2002 9:02 | 38610 |
| | | Average concentration | 35280 |

Tracer **Test Data**

| TAN-25 Iodide and COD, ISB Tracer Test 2002 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Time | Hours after injection | $I^-$ (mg/L) | $I^-$ C/Co | COD (mg/L) | COD C/Co | |
| 07/30/02 | 8:36 | 0:00 | 5.52 | 4.49E-04 | 453 | 1.28E-02 | |
| 07/30/02 | 8:41 | 0:05 | 0.147 | 1.20E-05 | 450 | 1.28E-02 | |
| 07/30/02 | 8:44 | 0:08 | 0.301 | 2.45E-05 | 528 | 1.50E-02 | |
| 07/30/02 | 8:48 | 0:12 | 0.313 | 2.54E-05 | 615 | 1.74E-02 | |
| 07/30/02 | 8:52 | 0:16 | 0.403 | 3.28E-05 | 558 | 1.58E-02 | |
| 07/30/02 | 8:56 | 0:20 | 29 | 2.36E-03 | 582 | 1.65E-02 | |
| 07/30/02 | 9:00 | 0:24 | 62.8 | 5.11E-03 | 475.5 | 1.35E-02 | |
| 07/30/02 | 9:04 | 0:28 | 91.9 | 7.47E-03 | 729 | 2.07E-02 | |
| 07/30/02 | 9:08 | 0:32 | 140 | 1.14E-02 | 810 | 2.30E-02 | |
| 07/30/02 | 9:12 | 0:36 | 206 | 1.67E-02 | 885 | 2.51E-02 | |
| 07/30/02 | 9:16 | 0:40 | 449 | 3.65E-02 | 570 | 1.62E-02 | |
| 07/30/02 | 9:20 | 0:44 | 1060 | 8.62E-02 | 4005 | 1.14E-01 | |
| 07/30/02 | 9:24 | 0:48 | 1488 | 1.21E-01 | 5733 | 1.63E-01 | |
| 07/30/02 | 9:28 | 0:52 | 2380 | 1.93E-01 | 6804 | 1.93E-01 | |
| 07/30/02 | 9:32 | 0:56 | 2650 | 2.15E-01 | * | NA | *Exceeded limit |
| 07/30/02 | 9:36 | 1:00 | 2850 | 2.32E-01 | 7902 | 2.24E-01 | |
| 07/30/02 | 9:40 | 1:04 | 2955 | 2.40E-01 | 9162 | 2.60E-01 | |
| 07/30/02 | 9:44 | 1:08 | 2725 | 2.22E-01 | 9234 | 2.62E-01 | |
| 07/30/02 | 9:48 | 1:12 | 2455 | 2.00E-01 | 12564 | 3.56E-01 | |
| 07/30/02 | 9:52 | 1:16 | 2455 | 2.00E-01 | 13698 | 3.88E-01 | |
| 07/30/02 | 9:56 | 1:20 | 2255 | 1.83E-01 | 15948 | 4.52E-01 | |
| 07/30/02 | 10:00 | 1:24 | 1955 | 1.59E-01 | 17388 | 4.93E-01 | |
| 07/30/02 | 10:04 | 1:28 | 1875 | 1.52E-01 | 16668 | 4.72E-01 | |
| 07/30/02 | 10:08 | 1:32 | 1725 | 1.40E-01 | 17118 | 4.85E-01 | |
| 07/30/02 | 10:12 | 1:36 | 1545 | 1.26E-01 | 16380 | 4.64E-01 | |
| 07/30/02 | 10:16 | 1:40 | 1395 | 1.13E-01 | 11340 | 3.21E-01 | |
| 07/30/02 | 10:20 | 1:44 | 1255 | 1.02E-01 | 16020 | 4.54E-01 | |
| 07/30/02 | 10:24 | 1:48 | 1195 | 9.72E-02 | 17460 | 4.95E-01 | |
| 07/30/02 | 10:28 | 1:52 | 1105 | 8.98E-02 | 20340 | 5.77E-01 | |
| 07/30/02 | 10:32 | 1:56 | 1005 | 8.17E-02 | 19440 | 5.51E-01 | |
| 07/30/02 | 10:36 | 2:00 | 890 | 7.24E-02 | 16560 | 4.69E-01 | |
| 07/30/02 | 10:40 | 2:04 | 855 | 6.95E-02 | 19080 | 5.41E-01 | |
| 07/30/02 | 10:44 | 2:08 | 785 | 6.38E-02 | 26100 | 7.40E-01 | |
| 07/30/02 | 10:48 | 2:12 | 705 | 5.73E-02 | 21240 | 6.02E-01 | |
| 07/30/02 | 10:52 | 2:16 | 660 | 5.37E-02 | 20556 | 5.83E-01 | |
| 07/30/02 | 10:56 | 2:20 | 715 | 5.81E-02 | 22068 | 6.26E-01 | |
| 07/30/02 | 11:00 | 2:24 | 720 | 5.85E-02 | 21204 | 6.01E-01 | |
| 07/30/02 | 11:04 | 2:28 | 565 | 4.59E-02 | 20916 | 5.93E-01 | |
| 07/30/02 | 11:08 | 2:32 | 580 | 4.72E-02 | 23040 | 6.53E-01 | |
| 07/30/02 | 11:12 | 2:36 | 510 | 4.15E-02 | 20628 | 5.85E-01 | |
| 07/30/02 | 11:16 | 2:40 | 468 | 3.80E-02 | 22356 | 6.34E-01 | |
| 07/30/02 | 11:20 | 2:44 | 454 | 3.69E-02 | 22860 | 6.48E-01 | |
| 07/30/02 | 11:24 | 2:48 | 420 | 3.41E-02 | 19980 | 5.66E-01 | |
| 07/30/02 | 11:28 | 2:52 | 417 | 3.39E-02 | 25020 | 7.09E-01 | |
| 07/30/02 | 11:32 | 2:56 | 390.5 | 3.17E-02 | 24624 | 6.98E-01 | |
| 07/30/02 | 11:36 | 3:00 | 384.5 | 3.13E-02 | 21528 | 6.10E-01 | |
| 07/30/02 | 11:40 | 3:04 | 372.5 | 3.03E-02 | 22842 | 6.47E-01 | |
| 07/30/02 | 11:44 | 3:08 | 364 | 2.96E-02 | 22644 | 6.42E-01 | |
| 07/30/02 | 11:48 | 3:12 | 392 | 3.19E-02 | 21204 | 6.01E-01 | |
| 07/30/02 | 11:52 | 3:16 | 350 | 2.85E-02 | 25596 | 7.26E-01 | |
| 07/30/02 | 11:56 | 3:20 | 330.5 | 2.69E-02 | 22644 | 6.42E-01 | |
| 07/30/02 | 12:00 | 3:24 | 326.5 | 2.65E-02 | 24516 | 6.95E-01 | |
| 07/30/02 | 12:04 | 3:28 | 321.8 | 2.62E-02 | 22572 | 6.40E-01 | |
| 07/30/02 | 12:08 | 3:32 | 298 | 2.42E-02 | 24804 | 7.03E-01 | |
| 07/30/02 | 12:12 | 3:36 | 288.5 | 2.35E-02 | 20088 | 5.69E-01 | |
| 07/30/02 | 12:16 | 3:40 | 284 | 2.31E-02 | 22212 | 6.30E-01 | |
| 07/30/02 | 12:20 | 3:44 | 284 | 2.31E-02 | 22320 | 6.33E-01 | |

Tracer Test Data

| TAN-25 Iodide and COD, ISB Tracer Test 2002 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Time | Hours after Injection | $I^-$ (mg/L) | $I^-$ C/Co | COD (mg/L) | COD C/Co | |
| 07/30/02 | 12:24 | 3:48 | 281 | 2.28E-02 | 20088 | 5.69E-01 | |
| 07/30/02 | 12:28 | 3:52 | 275.5 | 2.24E-02 | 21492 | 6.09E-01 | |
| 07/30/02 | 12:32 | 3:56 | 255 | 2.07E-02 | 20196 | 5.72E-01 | |
| 07/30/02 | 12:36 | 4:00 | * | NA | * | NA | *Sample not Collected |
| 07/30/02 | 12:40 | 4:04 | 262 | 2.13E-02 | 21600 | 6.12E-01 | |
| 07/30/02 | 12:44 | 4:08 | 258 | 2.10E-02 | 21708 | 6.15E-01 | |
| 07/30/02 | 12:48 | 4:12 | 234 | 1.90E-02 | 23616 | 6.69E-01 | |
| 07/30/02 | 12:52 | 4:16 | 233 | 1.89E-02 | 16740 | 4.74E-01 | |
| 07/30/02 | 12:56 | 4:20 | 246 | 2.00E-02 | 25308 | 7.17E-01 | |
| 07/30/02 | 13:00 | 4:24 | 255 | 2.07E-02 | 24984 | 7.08E-01 | |
| 07/30/02 | 13:04 | 4:28 | 226.5 | 1.84E-02 | 22554 | 6.39E-01 | |
| 07/30/02 | 13:08 | 4:32 | 210 | 1.71E-02 | 21168 | 6.00E-01 | |
| 07/30/02 | 13:12 | 4:36 | 259 | 2.11E-02 | 22896 | 6.49E-01 | |
| 07/30/02 | 13:16 | 4:40 | 265 | 2.15E-02 | 21384 | 6.06E-01 | |
| 07/30/02 | 13:20 | 4:44 | 256 | 2.08E-02 | 22932 | 6.50E-01 | |
| 07/30/02 | 13:24 | 4:48 | 245 | 1.99E-02 | 21924 | 6.21E-01 | |
| 07/30/02 | 13:28 | 4:52 | 235 | 1.91E-02 | 21384 | 6.06E-01 | |
| 07/30/02 | 13:32 | 4:56 | 246 | 2.00E-02 | 22716 | 6.44E-01 | |
| 07/30/02 | 13:36 | 5:00 | 237 | 1.93E-02 | 21996 | 6.23E-01 | |
| 07/30/02 | 13:40 | 5:04 | 228 | 1.85E-02 | 25668 | 7.28E-01 | |
| 07/30/02 | 13:44 | 5:08 | 212 | 1.72E-02 | 23760 | 6.73E-01 | |
| 07/30/02 | 13:48 | 5:12 | 184 | 1.50E-02 | 31140 | 8.83E-01 | |
| 07/30/02 | 13:52 | 5:16 | 191 | 1.55E-02 | 19476 | 5.52E-01 | |
| 07/30/02 | 13:56 | 5:20 | 191.5 | 1.56E-02 | 21024 | 5.96E-01 | |
| 07/30/02 | 14:00 | 5:24 | 188 | 1.53E-02 | 21312 | 6.04E-01 | |
| 07/30/02 | 14:04 | 5:28 | 186 | 1.51E-02 | 21780 | 6.17E-01 | |
| 07/30/02 | 14:08 | 5:32 | 153 | 1.24E-02 | 22140 | 6.28E-01 | |
| 07/30/02 | 14:12 | 5:36 | 155 | 1.26E-02 | 26460 | 7.50E-01 | |
| 07/30/02 | 14:16 | 5:40 | 161 | 1.31E-02 | 26244 | 7.44E-01 | |
| 07/30/02 | 14:20 | 5:44 | 159 | 1.29E-02 | 27468 | 7.79E-01 | |
| 07/30/02 | 14:24 | 5:48 | 157.5 | 1.28E-02 | 25272 | 7.16E-01 | |
| 07/30/02 | 14:28 | 5:52 | 159 | 1.29E-02 | 24300 | 6.89E-01 | |
| 07/30/02 | 14:32 | 5:56 | 159 | 1.29E-02 | 21492 | 6.09E-01 | |
| 07/30/02 | 14:36 | 6:00 | 155 | 1.26E-02 | 20880 | 5.92E-01 | |
| 07/30/02 | 14:40 | 6:04 | 151 | 1.23E-02 | 24624 | 6.98E-01 | |
| 07/30/02 | 14:44 | 6:08 | 147 | 1.20E-02 | * | NA | *Notanalyzled |
| 07/30/02 | 14:48 | 6:12 | 148 | 1.20E-02 | 23472 | 6.65E-01 | |
| 07/30/02 | 14:52 | 6:16 | 148 | 1.20E-02 | 23040 | 6.53E-01 | |
| 07/30/02 | 14:56 | 6:20 | 146 | 1.19E-02 | 21600 | 6.12E-01 | |
| 07/30/02 | 15:00 | 6:24 | 143 | 1.16E-02 | 27432 | 7.78E-01 | |
| 07/30/02 | 16:58 | 8:22 | 89 | 7.24E-03 | * | NA | *Exceeded limit |
| 07/30/02 | 17:02 | 8:26 | 82.4 | 6.70E-03 | 27432 | 7.78E-01 | |
| 07/30/02 | 17:06 | 8:30 | 82.4 | 6.70E-03 | 28044 | 7.95E-01 | |
| 07/31/02 | 14:37 | 30:01 | 69.9 | 5.68E-03 | 15372 | 4.36E-01 | |
| 08/01/02 | 13:04 | 52:28 | 60.9 | 4.95E-03 | 11844 | 3.36E-01 | |
| 08/02/02 | 11:14 | 74:38 | 71.5 | 5.81E-03 | 7650 | 2.17E-01 | |
| 08/05/02 | 14:38 | 150:02 | 78.2 | 6.36E-03 | 7308 | 2.07E-01 | |
| 08/06/02 | 13:38 | 173:02 | 70.2 | 5.71E-03 | 5886 | 1.67E-01 | |
| 08/07/02 | 12:37 | 196:01 | 113 | 9.19E-03 | 4883 | 1.38E-01 | |
| 08/08/02 | 13:29 | 220:53 | 60.7 | 4.93E-03 | 4113 | 1.17E-01 | |

Tracer Test Data

| TAN-31 Iodide and COD, ISB Tracer Test 2002 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Time | Hours after injection | I- (mg/L) | I- C/Co | COD (mg/L) | COD C/Co | |
| 07/30/02 | 8:36 | 0:00 | 0.112 | 9.11E-06 | 106 | 3.00E-03 | |
| 07/30/02 | 8:42 | 0:06 | 0.112 | 9.11E-06 | 116 | 3.29E-03 | |
| 07/30/02 | 8:48 | 0:12 | 0.109 | 8.86E-06 | 145 | 4.11E-03 | |
| 07/30/02 | 8:54 | 0:18 | 0.111 | 9.02E-06 | 141 | 4.00E-03 | |
| 07/30/02 | 9:00 | 0:24 | 0.128 | 1.04E-05 | 102 | 2.89E-03 | |
| 07/30/02 | 9:06 | 0:30 | 0.155 | 1.26E-05 | 85 | 2.41E-03 | |
| 07/30/02 | 9:12 | 0:36 | 0.304 | 2.47E-05 | 127 | 3.60E-03 | |
| 07/30/02 | 9:18 | 0:42 | 1.53 | 1.24E-04 | 158 | 4.48E-03 | |
| 07/30/02 | 9:24 | 0:48 | 20.6 | 1.67E-03 | 172 | 4.88E-03 | |
| 07/30/02 | 9:30 | 0:54 | 36.7 | 2.98E-03 | 237 | 6.72E-03 | |
| 07/30/02 | 9:36 | 1:00 | 453 | 3.68E-02 | 1692 | 4.80E-02 | |
| 07/30/02 | 9:42 | 1:06 | 759 | 6.17E-02 | 2727 | 7.73E-02 | |
| 07/30/02 | 9:48 | 1:12 | 1340 | 1.09E-01 | * | NA | *Not analyzed |
| 07/30/02 | 9:54 | 1:18 | 1774 | 1.44E-01 | 2973 | 8.43E-02 | |
| 07/30/02 | 10:00 | 1:24 | 2440 | 1.98E-01 | 8910 | 2.53E-01 | |
| 07/30/02 | 10:06 | 1:30 | 2740 | 2.23E-01 | 11520 | 3.27E-01 | |
| 07/30/02 | 10:12 | 1:36 | 2900 | 2.36E-01 | 11952 | 3.39E-01 | |
| 07/30/02 | 10:18 | 1:42 | 2850 | 2.32E-01 | 13140 | 3.72E-01 | |
| 07/30/02 | 10:24 | 1:48 | 2685 | 2.18E-01 | 18540 | 5.26E-01 | |
| 07/30/02 | 10:30 | 1:54 | 2500 | 2.03E-01 | 21600 | 6.12E-01 | |
| 07/30/02 | 10:36 | 2:00 | 2260 | 1.84E-01 | 16560 | 4.69E-01 | |
| 07/30/02 | 10:42 | 2:06 | 1950 | 1.59E-01 | 33300 | 9.44E-01 | |
| 07/30/02 | 10:48 | 2:12 | 1485 | 1.21E-01 | 24660 | 6.99E-01 | |
| 07/30/02 | 10:54 | 2:18 | 1090 | 8.86E-02 | 23220 | 6.58E-01 | |
| 07/30/02 | 11:00 | 2:24 | 925 | 7.52E-02 | 28080 | 7.96E-01 | |
| 07/30/02 | 11:06 | 2:30 | 912 | 7.41E-02 | 24624 | 6.98E-01 | |
| 07/30/02 | 11:12 | 2:36 | 1110 | 9.02E-02 | 27612 | 7.83E-01 | |
| 07/30/02 | 11:18 | 2:42 | 923 | 7.50E-02 | 25236 | 7.15E-01 | |
| 07/30/02 | 11:24 | 2:48 | 678 | 5.51E-02 | 28836 | 8.17E-01 | |
| 07/30/02 | 11:30 | 2:54 | 678 | 5.51E-02 | 28656 | 8.12E-01 | |
| 07/30/02 | 11:36 | 3:00 | 594 | 4.83E-02 | 25128 | 7.12E-01 | |
| 07/30/02 | 11:42 | 3:06 | 578 | 4.70E-02 | 28512 | 8.08E-01 | |
| 07/30/02 | 11:48 | 3:12 | 580 | 4.72E-02 | 25632 | 7.27E-01 | |
| 07/30/02 | 11:54 | 3:18 | 564 | 4.59E-02 | 23436 | 6.64E-01 | |
| 07/30/02 | 12:00 | 3:24 | 542 | 4.41E-02 | * | NA | *Not analyzed |
| 07/30/02 | 12:06 | 3:30 | 485 | 3.94E-02 | 23040 | 6.53E-01 | |
| 07/30/02 | 12:12 | 3:36 | 448 | 3.64E-02 | 24012 | 6.81E-01 | |
| 07/30/02 | 12:18 | 3:42 | 405 | 3.29E-02 | 26316 | 7.46E-01 | |
| 07/30/02 | 12:24 | 3:48 | 351 | 2.85E-02 | 25432 | 7.21E-01 | |
| 07/30/02 | 12:30 | 3:54 | 317 | 2.58E-02 | 23076 | 6.54E-01 | |
| 07/30/02 | 12:36 | 4:00 | 327 | 2.66E-02 | 22068 | 6.26E-01 | |
| 07/30/02 | 12:42 | 4:06 | 305 | 2.48E-02 | 24192 | 6.86E-01 | |
| 07/30/02 | 12:48 | 4:12 | 306 | 2.49E-02 | 19980 | 5.66E-01 | |
| 07/30/02 | 12:54 | 4:18 | 302 | 2.46E-02 | 18792 | 5.33E-01 | |
| 07/30/02 | 13:00 | 4:24 | 301 | 2.45E-02 | 19764 | 5.60E-01 | |
| 07/30/02 | 13:06 | 4:30 | 303 | 2.46E-02 | 18360 | 5.20E-01 | |
| 07/30/02 | 13:12 | 4:36 | 291 | 2.37E-02 | 18216 | 5.16E-01 | |
| 07/30/02 | 13:18 | 4:42 | 289 | 2.35E-02 | * | NA | *Not analyzed |
| 07/30/02 | 13:24 | 4:48 | 293 | 2.38E-02 | 18396 | 5.21E-01 | |
| 07/30/02 | 13:30 | 4:54 | 293 | 2.38E-02 | 21204 | 6.01E-01 | |
| 07/30/02 | 13:36 | 5:00 | 293 | 2.38E-02 | 21456 | 6.08E-01 | |
| 07/30/02 | 13:42 | 5:06 | 281 | 2.28E-02 | 16920 | 4.80E-01 | |
| 07/30/02 | 13:48 | 5:12 | 271 | 2.20E-02 | 19224 | 5.45E-01 | |
| 07/30/02 | 13:54 | 5:18 | 268 | 2.18E-02 | 20520 | 5.82E-01 | |

Tracer Test Data

| TAN-31 Iodide and COD, ISB Tracer Test 2002 | | | | | | |
|---|---|---|---|---|---|---|
| Date | Time | Hours after injection | I- (mg/L) | I- C/Co | COD (mg/L) | COD C/Co |
| 07/30/02 | 14:00 | 5:24 | 262 | 2.13E-02 | 21456 | 6.08E-01 |
| 07/30/02 | 14:06 | 5:30 | 269 | 2.19E-02 | 20736 | 5.88E-01 |
| 07/30/02 | 14:12 | 5:36 | 252 | 2.05E-02 | 17568 | 4.98E-01 |
| 07/30/02 | 14:18 | 5:42 | 247 | 2.01E-02 | 16848 | 4.78E-01 |
| 07/30/02 | 14:24 | 5:48 | 244 | 1.98E-02 | * | NA |
| 07/30/02 | 14:30 | 5:54 | 243 | 1.98E-02 | 16848 | 4.78E-01 |
| 07/30/02 | 14:36 | 6:00 | 244 | 1.98E-02 | 16668 | 4.72E-01 |
| 07/30/02 | 14:42 | 6:06 | 226 | 1.84E-02 | 14544 | 4.12E-01 |
| 07/30/02 | 14:48 | 6:12 | 237 | 1.93E-02 | 16452 | 4.66E-01 |
| 07/30/02 | 14:54 | 6:18 | 231 | 1.88E-02 | 18108 | 5.13E-01 |
| 07/30/02 | 15:00 | 6:24 | 224 | 1.82E-02 | 15156 | 4.30E-01 |
| 07/30/02 | 16:55 | 8:19 | 235 | 1.91E-02 | 15408 | 4.37E-01 |
| 07/31/02 | 13:48 | 29:12 | 115 | 9.35E-03 | 5724 | 1.62E-01 |
| 08/01/02 | 13:15 | 52:39 | 138 | 1.12E-02 | 5472 | 1.55E-01 |
| 08/02/02 | 11:21 | 74:45 | 74.7 | 6.07E-03 | 3456 | 9.80E-02 |
| 08/05/02 | 13:43 | 149:07 | 73.2 | 5.95E-03 | 2772 | 7.86E-02 |
| 08/06/02 | 13:36 | 173:00 | 43.6 | 3.54E-03 | 2340 | 6.63E-02 |
| 08/07/02 | 12:58 | 196:22 | 42.7 | 3.47E-03 | 2556 | 7.24E-02 |
| 08/08/02 | 13:42 | 221:06 | 41.3 | 3.36E-03 | 621 | 1.76E-02 |

*Not analyzed

Tracer **Test** Data

| TAN-D2 Iodide and COD, ISB Tracer Test 2002 | | | | | | |
|---|---|---|---|---|---|---|
| Date | Time | Hours after injection | I- (mg/L) | I- C/Co | COD (mg/L) | COD C/Co |
| 7/30/02 | 15:51 | 7:15 | 2.35 | 1.91E-04 | 28 | 7.94E-04 |
| 7/31/02 | 10:14 | 25:38 | 1.75 | 1.42E-04 | 98 | 2.78E-03 |
| 8/1/02 | 9:42 | 49:06 | 7.4 | 6.02E-04 | 570 | 1.62E-02 |
| 8/1/02 | 14:43 | 54:07 | 3.88 | 3.15E-04 | 111 | 3.15E-03 |
| 8/2/02 | 9:16 | 72:40 | 2.02 | 1.64E-04 | 78 | 2.21E-03 |
| 8/2/02 | 14:54 | 78:18 | 2 | 1.63E-04 | 89 | 2.52E-03 |
| 8/5/02 | 10:08 | 145:32 | 2.1 | 1.71E-04 | 78 | 2.21E-03 |
| 8/5/02 | 16:32 | 151:56 | 1.48 | 1.20E-04 | 46 | 1.30E-03 |
| 8/6/02 | 10:01 | 169:25 | 2.95 | 2.40E-04 | 32 | 9.07E-04 |
| 8/6/02 | 15:19 | 174:43 | 1.14 | 9.27E-05 | 13 | 3.68E-04 |
| 8/7/02 | 9:10 | 192:34 | 2.31 | 1.88E-04 | 45 | 1.28E-03 |
| 8/7/02 | 14:13 | 197:37 | 3.32 | 2.70E-04 | 33 | 9.35E-04 |
| 8/8/02 | 9:30 | 216:54 | 1.58 | 1.28E-04 | 52 | 1.47E-03 |
| 8/8/02 | 15:04 | 222:28 | 2.69 | 2.19E-04 | 39 | 1.11E-03 |

Tracer Test Data

| TAN-26 Iodide and COD, ISB Tracer Test 2002 | | | | | | |
|---|---|---|---|---|---|---|
| Date | Time | Hours after injection | I- (mg/L) | I- C/Co | COD (mg/L) | COD C/Co |
| 7/30/02 | 16:02 | 7:26 | 0.701 | 5.70E-05 | 49 | 1.39E-03 |
| 7/31/02 | 9:00 | 24:24 | 0 | 0.00E+00 | 5 | 1.42E-04 |
| 7/31/02 | 15:36 | 31:00 | 0.68 | 5.53E-05 | 53 | 1.50E-03 |
| 8/1/02 | 8:52 | 48:16 | 0.482 | 3.92E-05 | 5 | 1.42E-04 |
| 8/1/02 | 14:00 | 53:24 | 0.356 | 2.89E-05 | 43 | 1.22E-03 |
| 8/2/02 | 8:32 | 71:56 | 0.417 | 3.39E-05 | 0 | 0.00E+00 |
| 8/2/02 | 14:07 | 77:31 | 0.345 | 2.80E-05 | 0 | 0.00E+00 |
| 8/5/02 | 8:46 | 144:10 | 0.24 | 1.95E-05 | 13 | 3.68E-04 |
| 8/5/02 | 15:49 | 151:13 | 0.295 | 2.40E-05 | 6 | 1.70E-04 |
| 8/6/02 | 8:59 | 168:23 | 0.29 | 2.36E-05 | 30 | 8.50E-04 |
| 8/6/02 | 14:33 | 173:57 | 0.272 | 2.21E-05 | 19 | 5.39E-04 |
| 8/7/02 | 8:27 | 191:51 | 0.352 | 2.86E-05 | 32 | 9.07E-04 |
| 8/7/02 | 13:33 | 196:57 | 1.18 | 9.59E-05 | 50 | 1.42E-03 |
| 8/8/02 | 8:50 | 216:14 | 0.415 | 3.37E-05 | 30 | 8.50E-04 |
| 8/8/02 | 14:22 | 221:46 | 0.543 | 4.41E-05 | 36 | 1.02E-03 |