# Appendix D
# Treatment System Pumping Rates 1993 – 2006

**Table 4**
**Treatment System Pumping Rates**
**and Water Quality Test Results**
**Conductorlab Site, Groton, Massachusetts**

| Time [1] | Average Influent Concentrations | | Average Effluent Concentrations [6] | | Flowrate [4] | Flowrate [4] | Estimated Mass Removal Rate | |
|---|---|---|---|---|---|---|---|---|
| | TCE (ug/L) | Total chromium (ug/L) | TCE [2] (ug/L) | Total chromium [3] (ug/L) | (gpd) | (gpm) | TCE (lbs/day) | Total chromium (lbs/day) |
| Jun-93 | 2100 | 1600 | 4.1 | 10 | 7,920 | 5.5 | 0.14 | 0.10 |
| Jul-93 | 3900 | 2500 | 6.4 | 10 | 7,920 | 5.5 | 0.26 | 0.16 |
| Aug-93 | 3400 | 2600 | 1.0 | 10 | 7,920 | 5.5 | 0.22 | 0.17 |
| Sep-93 | 8400 | 2900 | 1.0 | 10 | 7,920 | 5.5 | 0.55 | 0.19 |
| Oct-93 | 1600 | 2200 | 1.0 | 10 | 7,920 | 5.5 | 0.11 | 0.14 |
| Nov-93 | 2900 | 2000 | 1.0 | 10 | 18,720 | 13.0 | 0.45 | 0.31 |
| Dec-93 | 2600 | 1700 | 1.0 | 10 | 18,720 | 13.0 | 0.41 | 0.26 |
| Jan-94 | 2300 | 1900 | 1.0 | 10 | 18,720 | 13.0 | 0.36 | 0.29 |
| Feb-94 | 1200 | 1700 | 1.0 | 10 | 18,720 | 13.0 | 0.19 | 0.26 |
| Mar-94 | 1000 | 1300 | 1.0 | 10 | 18,720 | 13.0 | 0.16 | 0.20 |
| Apr-94 | 3200 | 1700 | 1.0 | 10 | 18,720 | 13.0 | 0.50 | 0.26 |
| May-94 | 1500 | 1100 | 1.0 | 10 | 18,720 | 13.0 | 0.23 | 0.17 |
| Jun-94 | 1800 | 1100 | 1.0 | 10 | 8,280 | 5.8 | 0.12 | 0.08 |
| Jul-94 | 1500 | 1800 | 1.0 | 10 | 8,280 | 5.8 | 0.10 | 0.12 |
| Aug-94 | 5700 | 1800 | 1.0 | 10 | 8,280 | 5.8 | 0.39 | 0.12 |
| Sep-94 | 2300 | 1800 | 1.0 | 10 | 20,520 | 14.3 | 0.39 | 0.31 |
| Oct-94 | 1700 | 1600 | 1.0 | 10 | 20,520 | 14.3 | 0.29 | 0.27 |
| Nov-94 | 1500 | 1600 | 1.0 | 10 | 20,520 | 14.3 | 0.26 | 0.27 |
| Dec-94 | 1100 | 1300 | 1.0 | 10 | 20,520 | 14.3 | 0.19 | 0.22 |
| Jan-95 | 650 | 1400 | 1.0 | 10 | 20,520 | 14.3 | 0.11 | 0.24 |
| Feb-95 | 880 | 1300 | 1.0 | 10 | 20,520 | 14.3 | 0.15 | 0.22 |
| Mar-95 | 430 | 1100 | 1.0 | 10 | 20,520 | 14.3 | 0.07 | 0.19 |
| Apr-95 | 880 | 1200 | 1.0 | 10 | 20,520 | 14.3 | 0.15 | 0.20 |
| May-95 | 940 | 1300 | 1.0 | 10 | 8,280 | 5.8 | 0.06 | 0.09 |
| Jan-97 | 4500 | 1300 | 1.0 | 40 | 5,040 | 3.5 | 0.19 | 0.05 |
| Feb-97 | 230 | 1100 | 1.0 | 10 | 1,929 | 1.3 | 0.004 | 0.02 |
| Mar-97 | 470 | 1600 | 1.0 | 10 | 6,133 | 4.3 | 0.02 | 0.08 |
| Apr-97 | 710 | 1100 | 1.0 | 10 | 5,573 | 3.9 | 0.03 | 0.05 |
| May-97 | 800 | 1300 | 1.5 | 10 | 5,573 | 3.9 | 0.04 | 0.06 |
| Jun-97 | 700 | 1200 | 1.0 | 10 | 5,184 | 3.6 | 0.03 | 0.05 |
| Aug-97 | 470 | 1200 | 1.0 | 10 | 13,248 | 9.2 | 0.05 | 0.13 |
| Sep-97 | 440 | 10 | 1.0 | 780 | 9,504 | 6.6 | 0.03 | NA |
| Oct-97 | 2600 | 2900 | 1.0 | 10 | 9,360 | 6.5 | 0.20 | 0.23 |
| Nov-97 | 1300 | 1600 | 1.0 | 10 | 8,640 | 6.0 | 0.09 | 0.11 |
| Dec-97 | 360 | 1400 | 1.0 | 10 | 13,104 | 9.1 | 0.04 | 0.15 |
| Jan-98 | 500 | 1000 | 1.0 | 10 | 15,840 | 11.0 | 0.07 | 0.13 |
| Feb-98 | 600 | 1200 | 1.0 | 10 | 13,680 | 9.5 | 0.07 | 0.14 |
| Mar-98 | 620 | 1200 | 1.3 | 10 | 14,544 | 10.1 | 0.07 | 0.14 |
| Apr-98 | 490 | 970 | 1.0 | 10 | 13,248 | 9.2 | 0.05 | 0.11 |
| May-98 | 440 | 1300 | 1.0 | 10 | 12,240 | 8.5 | 0.04 | 0.13 |
| Jun-98 | 680 | 1500 | 1.0 | 10 | 9,864 | 6.9 | 0.06 | 0.12 |
| Jul-98 | 250 | 930 | 1.0 | 10 | 9,504 | 6.6 | 0.02 | 0.07 |
| Aug-98 | 740 | 1700 | 1.0 | 10 | 8,064 | 5.6 | 0.05 | 0.11 |
| Sep-98 | 400 | 790 | 1.0 | 10 | 6,480 | 4.5 | 0.02 | 0.04 |
| Oct-98 | 220 | 1200 | 1.0 | 10 | 7,344 | 5.1 | 0.01 | 0.07 |
| Nov-98 | 420 | 1100 | 1.0 | 10 | 10,080 | 7.0 | 0.04 | 0.09 |
| Dec-98 | 1500 | 1600 | 1.0 | 10 | 10,080 | 7.0 | 0.13 | 0.13 |
| Feb-99 | 1100 | 1200 | 3.2 | 10 | 13,536 | 9.4 | 0.12 | 0.13 |
| Mar-99 | 420 | 1000 | 11.0 | 70 | 14,544 | 10.1 | 0.05 | 0.11 |
| Apr-99 | 610 | 970 | 8.4 | 10 | 18,720 | 13.0 | 0.09 | 0.15 |
| May-99 | 690 | 1200 | 4.9 | 10 | 10,224 | 7.1 | 0.06 | 0.10 |
| Jun-99 | 320 | 1000 | 1.0 | 10 | 10,944 | 7.6 | 0.03 | 0.09 |
| Jul-99 | 200 | 710 | 1.0 | 10 | 6,768 | 4.7 | 0.01 | 0.04 |
| Aug-99 | 550 | 3000 | 1.0 | 10 | 5,184 | 3.6 | 0.02 | 0.13 |

**Table 4**
**Treatment System Pumping Rates**
**and Water Quality Test Results**
**Conductorlab Site, Groton, Massachusetts**

| Time [1] | Average Influent Concentrations | | Average Effluent Concentrations [6] | | Flowrate [4] | Flowrate [4] | Estimated Mass Removal Rate | |
|---|---|---|---|---|---|---|---|---|
| | TCE (ug/L) | Total chromium (ug/L) | TCE [2] (ug/L) | Total chromium [3] (ug/L) | (gpd) | (gpm) | TCE (lbs/day) | Total chromium (lbs/day) |
| Sep-99 | 670 | 1200 | 1.0 | 10 | 12,096 | 8.4 | 0.07 | 0.12 |
| Oct-99 | 880 | 1200 | 1.0 | 10 | 17,280 | 12.0 | 0.13 | 0.17 |
| Nov-99 | 260 | 1300 | 1.0 | 10 | 21,168 | 14.7 | 0.05 | 0.23 |
| Dec-99 | 440 | 1200 | 1.0 | 10 | 26,496 | 18.4 | 0.10 | 0.26 |
| Jan-00 | 270 | 1300 | 6.2 | 10 | 15,408 | 10.7 | 0.03 | 0.17 |
| Feb-00 | 550 | 1100 | 12.0 | 10 | 14,400 | 10.0 | 0.06 | 0.13 |
| Mar-00 | 190 | 1000 | 1.0 | 10 | 15,264 | 10.6 | 0.02 | 0.13 |
| Apr-00 | 120 | 860 | 1.0 | 10 | 14,400 | 10.0 | 0.01 | 0.10 |
| May-00 | 88 | 930 | 1.0 | 10 | 14,688 | 10.2 | 0.01 | 0.11 |
| Jun-00 | 390 | 1000 | 1.0 | 10 | 13,248 | 9.2 | 0.04 | 0.11 |
| Jul-00 | 310 | 920 | 1.0 | 10 | 12,384 | 8.6 | 0.03 | 0.09 |
| Aug-00 | 140 | 1,000 | 1.0 | 10 | 14,400 | 10.0 | 0.02 | 0.12 |
| Sep-00 | 440 | 1,100 | 2.7 | 10 | 12,384 | 8.6 | 0.05 | 0.11 |
| Oct-00 | 340 | 1,100 | 10.0 | 10 | 13,248 | 9.2 | 0.04 | 0.12 |
| Nov-00 | 350 | 1,100 | 1.0 | 10 | 6,624 | 4.6 | 0.02 | 0.06 |
| Dec-00 | 300 | 1,200 | 1.0 | 10 | 12,816 | 8.9 | 0.03 | 0.13 |
| Jan-01 | 150 | 970 | 1.0 | 10 | 7,653 | 5.3 | 0.01 | 0.06 |
| Feb-01 | 320 | 1,100 | 1.0 | 10 | 6,995 | 4.9 | 0.02 | 0.06 |
| Mar-01 | 120 | 940 | 1.0 | 10 | 7,594 | 5.3 | 0.01 | 0.06 |
| Apr-01 | 227 | 770 | 1.0 | 10 | 6,565 | 4.6 | 0.01 | 0.04 |
| May-01 | 344 | 958 | 1.0 | 10 | 6,614 | 4.6 | 0.02 | 0.05 |
| Jun-01 | 451 | 702 | 1.0 | 10 | 5,930 | 4.1 | 0.02 | 0.03 |
| Jul-01 | 228 | 970 | 1.0 | 10 | 10,035 | 7.0 | 0.02 | 0.08 |
| Aug-01 | 291 | 1,370 | 1.0 | 10 | 13,766 | 9.6 | 0.03 | 0.16 |
| Sep-01 | 1,600 | 1,110 | 1.0 | 10 | 7,947 | 5.5 | 0.11 | 0.07 |
| Oct-01 | 980 | 1,180 | <5.0 | <30 | 6,390 | 4.4 | 0.05 | 0.06 |
| Nov-01 | 1,200 | 1,230 | <5.0 | <30 | 6,378 | 4.4 | 0.06 | 0.07 |
| Dec-01 | 550 | 1,150 | <5.0 | <30 | 6,978 | 4.8 | 0.03 | 0.07 |
| Jan-02 | 890 | 949 | <5.0 | <30 | 4,923 | 3.4 | 0.04 | 0.04 |
| Feb-02 | 530 | 1,070 | <5.0 | <30 | 8,615 | 6.0 | 0.04 | 0.08 |
| Mar-02 | 510 | 951 | <5.0 | <30 | 12,689 | 8.8 | 0.05 | 0.10 |
| Apr-02 | 500 | 1,200 | <1.0 | <5 | 14,291 | 9.9 | 0.06 | 0.14 |
| May-02 | 260 | 850 | <1.0 | <5 | 22,621 | 15.7 | 0.05 | 0.16 |
| Jun-02 | 558 | 920 | <1.0 | <5 | 16,220 | 11.3 | 0.08 | 0.12 |
| Jul-02 | 884 | 1,080 | <1.0 | <5 | 11,734 | 8.1 | 0.09 | 0.11 |
| Aug-02 | 1,050 | 1,220 | <1.0 | <5 | 9,870 | 6.9 | 0.09 | 0.10 |
| Sep-02 | 1,250 | 1,260 | <1.0 | <5 | 9,366 | 6.5 | 0.10 | 0.10 |
| Oct-02 | 810 | 1,270 | <1.0 | <5 | 11,165 | 7.8 | 0.08 | 0.12 |
| Nov-02 | 966 | 870 | <1.0 | <5 | 9,195 | 6.4 | 0.07 | 0.07 |
| Dec-02 | 430 | 1,070 | <1.0 | <5 | 8,136 | 5.7 | 0.03 | 0.07 |
| Jan-03 | 180 | 851 | <1.0 | <10 | 5,966 | 4.1 | 0.01 | 0.04 |
| Feb-03 | 240 | 791 | <1.0 | <5 | 12,511 | 8.7 | 0.03 | 0.08 |
| Mar-03 | 210 | 541 | <1.0 | <5 | 13,545 | 9.4 | 0.02 | 0.06 |
| Apr-03 | 350 | 717 | <1.0 | <5 | 10,848 | 7.5 | 0.03 | 0.06 |
| May-03 | 230 | 717 | <1.0 | <5 | 11,483 | 8.0 | 0.02 | 0.07 |
| Jun-03 | 220 | 693 | <1.0 | <5 | 12,060 | 8.4 | 0.02 | 0.07 |
| Jul-03 | 130 | 758 | <1.0 | <5 | 14,942 | 10.4 | 0.02 | 0.09 |
| Aug-03 | 530 | 875 | <1.0 | <5 | 16,332 | 11.3 | 0.07 | 0.12 |
| Sep-03 | 540 | 959 | <1.0 | <5 | 13,905 | 9.7 | 0.06 | 0.11 |
| Oct-03 | 606 | 797 | <1.0 | <5 | 17,844 | 12.4 | 0.09 | 0.12 |
| Nov-03 | 670 | 766 | <1.0 | <5 | 18,532 | 12.9 | 0.10 | 0.12 |
| Dec-03 | 355 | 685 | <1.0 | <5 | 17,412 | 12.1 | 0.05 | 0.10 |
| Jan-04 | 355 | 706 | 22.3 | 17 | 14,252 | 9.9 | 0.04 | 0.08 |
| Feb-04 | 350 | 630 | <1.0 | <5 | 13,539 | 9.4 | 0.04 | 0.07 |

**Table 4**
**Treatment System Pumping Rates**
**and Water Quality Test Results**
**Conductorlab Site, Groton, Massachusetts**

| Time [1] | Average Influent Concentrations | | Average Effluent Concentrations [6] | | Flowrate [4] | Flowrate [4] | Estimated Mass Removal Rate | |
|---|---|---|---|---|---|---|---|---|
| | TCE (ug/L) | Total chromium (ug/L) | TCE [2] (ug/L) | Total chromium [3] (ug/L) | (gpd) | (gpm) | TCE (lbs/day) | Total chromium (lbs/day) |
| Mar-04 | 220 | 539 | <1.0 | <5 | 16,828 | 11.7 | 0.03 | 0.08 |
| Apr-04 | 370 | 502 | <1.0 | <10 | 19,682 | 13.7 | 0.06 | 0.08 |
| May-04 | 180 | 620 | <1.0 | <5 | 22,413 | 15.6 | 0.03 | 0.12 |
| Jun-04 | 100 | 550 | <1.0 | <5 | 19,583 | 13.6 | 0.02 | 0.09 |
| Jul-04 | 1,100 | 650 | <1.0 | <5 | 14,851 | 10.3 | 0.14 | 0.08 |
| Aug-04 | 650 | 660 | <1.0 | <5 | 13,672 | 9.5 | 0.07 | 0.08 |
| Sep-04 | 720 | 790 | <1.0 | <5 | 18,555 | 12.9 | 0.11 | 0.12 |
| Oct-04 | 500 | 770 | <1.0 | <5 | 18,362 | 12.8 | 0.08 | 0.12 |
| Nov-04 | 570 | 790 | <1.0 | <5 | 15,217 | 10.6 | 0.07 | 0.10 |
| Dec-04 | 250 | 770 | <1.0 | <5 | 21,123 | 14.7 | 0.04 | 0.14 |
| Jan-05 | 410 | 670 | <1.0 | <5 | 22,600 | 15.7 | 0.08 | 0.13 |
| Feb-05 | 410 | 630 | <1.0 | <5 | 19,911 | 13.8 | 0.07 | 0.10 |
| Mar-05 | 260 | 520 | <1.0 | <5 | 19,998 | 13.9 | 0.04 | 0.09 |
| Apr-05 | 180 | 530 | <1.0 | <5 | 24,472 | 17.0 | 0.04 | 0.11 |
| May-05 | 250 | 540 | <1.0 | <5 | 24,238 | 16.8 | 0.05 | 0.11 |
| Jun-05 | 160 | 390 | <1.0 | <5 | 23,899 | 16.6 | 0.03 | 0.08 |
| Jul-05 | 400 | 550 | <1.0 | <5 | 17,962 | 12.5 | 0.06 | 0.08 |
| Aug-05 | 400 | 660 | <1.0 | <5 | 15,629 | 10.9 | 0.05 | 0.09 |
| Sep-05 | 450 | 770 | <1.0 | <5 | 8,784 | 6.1 | 0.03 | 0.06 |
| Oct-05 | 360 | 760 | <1.0 | <5 | 18,907 | 13.1 | 0.06 | 0.12 |
| Nov-05 | 300 | 870 | <1.0 | <5 | 18,604 | 12.9 | 0.05 | 0.13 |
| Dec-05 | 270 | 610 | <1.0 | <5 | 19,573 | 13.6 | 0.04 | 0.10 |
| Jan-06 | 250 | 650 | <1.0 | <5 | 19,990 | 13.9 | 0.04 | 0.17 |
| Feb-06 | 220 | 900 | <1.0 | <5 | 20,388 | 14.2 | 0.04 | 0.17 |
| Mar-06 | 150 | 600 | <1.0 | <5 | 14,970 | 10.4 | 0.02 | 0.12 |
| Apr-06 | 330 | 740 | <1.0 | <5 | 15,999 | 11.1 | 0.04 | 0.13 |
| May-06 | 710 | 710 | <1.0 | <5 | 23,194 | 16.1 | 0.14 | 0.19 |
| Jun-06 | 110 | 690 | <1.0 | <5 | 25,243 | 17.5 | 0.02 | 0.21 |
| Jul-06 | 200 | 800 | <1 | 2.5 | 20,618 | 14.3 | 0.03 | 0.17 |
| Aug-06 | 380 | 780 | <1 | 2.7 | 10,684 | 7.4 | 0.03 | 0.09 |
| Sep-06 | 280 | 940 | <1 | 1.8 | 13,843 | 9.6 | 0.03 | 0.12 |
| Oct-06 | 520 | 920 | <1 | 2 | 12,651 | 8.8 | 0.05 | 0.11 |
| Nov-06 | 340 | 1,000 | <1 | 1 | 20,075 | 13.9 | 0.06 | 0.17 |
| Dec-06 | 690 | 840 | <1 | 1.8 | 17,100 | 11.9 | 0.10 | 0.14 |

Prepared by: JML
Checked by: MAA

(1) For Sept 97 the effluent concentration of total chromium was greater than influent concentration.

(2) Assumes detection limit of 1.0 ug/L for TCE prior to October 2001.

(3) Assumes detection limit of 10 mg/L for total chromium prior to October 2001.

(4) Earth Tech oversaw the operation of the GWTS beginning in Jan.1993 until Dec.2001 when Parsons began operating the GWTS. Flow rate data prior to Dec. 2001 was obtained from the following sources:

(a) Operation and Maintenance (O&M) Report for June 1993 to May 1994 indicated that the average recovery rate was 4 to 7 gpm during June 1993 to Nov. 1993 and the average recovery rate during November 1993 to May 1994 was 12 to 14 gpm.

(b) O&M Report for June 1994 to May 1995 indicated that the average recovery rate was 10 to 18.5 gpm during September 1994 to April 1995,. and during June 1994 to August 1994 and May 1995 to June 1995, the average recovery rate was 4 to 7.5 gpm.

(c) O&M Reports dated January 1995 and January 1996.

(d) Phase V Inspection and Monitoring Semi-Annual Reports dated August 1997, August 1998, September 1998, December 1999, and January 2001.

(5) Shaded cells indicate that effluent exceeded discharge requirements, which included a ground water discharge permit prior to May 7, 1997; include requirements at 310 CMR 40.0045 (i.e., Groundwater Quality Standards at 310 CMR 6.00 and Reportable Concentrations at 310 CMR 40.0300); and since December 2003 include requirements at NPDES Exclusion #MA 031-093.

(6) NA= Not available

# Appendix E
# MSDS for Treatment System Additive

Origination Date: 06-16-00
Revision Date: 08-15-02

3644

## SECTION I – GENERAL INFORMATION

TRADE NAME:
Aries 3644, 3766

EMERGENCY PHONE NO:
INFOTRAC #800-535-5053

CHEMICAL NAME:
Anionic Flocculant

DISTRIBUTOR'S D-U-N-S NO:
14-861-3045

HAZARDOUS MATERIAL DESCRIPTION: Nonhazardous
FREIGHT CLASS: 55
SHIPPING NUMBER: N/A

SYNONYMS:
Anionic polyacrylamide in water-in-oil emulsion

FORMULA:
Mixture

CHEMICAL FAMILY:
Anionic Polymer

MOLECULAR WEIGHT:
Mixture

## SECTION 2 – HAZARDOUS INGREDIENTS

| INGREDIENTS | % BY WT. | CAS NO. | TWA OSHA | TWA ACGIH |
|---|---|---|---|---|
| Petroleum Distillate | 20.5-22.5 | 064742-47-8 | 500 ppm | |
| Sodium metabisulfite | 0.6-0.8 | 007631-90-5 | | 5mg/m3 |

| HAZARD RATING | | | | |
|---|---|---|---|---|
| | HEALTH | 2 | REACTIVITY | 0 |
| | FIRE | 1 | SPECIAL | B |

## SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
- .99 - 1.1

pH:
6 8 (in water)

BOILING POINT:
-350-500 F

SOLUBILITY IN WATER:
Limited by viscosity

VAPOR PRESSURE:
N/A

PERCENT VOLATILE BY VOLUME:
64-65

EVAPORATION RATE:
N/A

APPEARANCE AND ODOR: Grayish-white, viscous emulsion; faint ammonia odor.

MATERIAL: Liquid.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
N/A

FLAMMABLE LIMITS:
LEL: N/A UEL: N/A

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Use water spray, carbon dioxide or dry chemical to extinguish fires. Use water to keep containers cool.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, positive pressure breathing apparatus and full fire-fighting protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition may release oxides of carbon and nitrogen, ammonia, hydrogen chloride.

## SECTION 5 – HEALTH HAZARD DATA

EFFECTS OF EXPOSURE: Acute oral (rat) and dermal (rabbit) LD50 values are estimated to be greater than 5,000 mg/kg and greater than 2,000 mg/kg, respectively. The 4-hour inhalation LC50 (rat) value is estimated to be greater than 20 mg/L. Direct contact with this material can cause moderate skin and mild eye irritation.

INGESTION: Drink copious quantities of water. Immediately seek medical attention.

SKIN CONTACT: In case of skin contact, remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering. If irritation persists, seek medical attention.

EYE CONTACT: In case of eye contact, immediately irrigate with plenty of water for 15 minutes, lifting eyelids often. Seek medical attention.

INHALATION: Remove individual to fresh air. Initiate artificial resuscitation and CPR if necessary. Seek medical attention.

CARCINOGENICITY: Not a carcinogen.

## SECTION 6 - REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur.

CONDITIONS TO AVOID: Store away from sources of heat and ignition. Do not cut, grind or weld near containers.

MATERIALS TO AVOID: Strong oxidizing agents. This material reacts slowly with iron, copper and aluminum, resulting in corrosion and product degradation.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide; carbon dioxide; ammonia; hydrogen chloride vapor; oxides of nitrogen.



## SECTION 7 - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: When exposure level is not known, wear NIOSH approved, positive pressure, self-contained respirator. Where exposure level is known, wear NIOSH approved respirator suitable for level of exposure. Spilled material should be absorbed onto inert material and scooped into an approved container for disposal. Flush remainder thoroughly with water and scrub to remove residue. Repeat if slipperiness remains.

WASTE DISPOSAL METHODS: Dispose of in accordance with Federal, State and Local regulations.

ENVIRONMENTAL TOXICITY DATA: Not available.

HAZARDOUS WASTE 40CFR261: N/A

HAZARDOUS WASTE NO: N/A

CONTAINER DISPOSAL: Returnable.

## SECTION 8 - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Where exposure level is not known, wear NIOSH approved, positive pressure, self-contained respirator. Where exposure level is known, wear NIOSH approved respirator suitable for level of exposure.

EYE PROTECTION: For operations where eye or face contact can occur, wear eye protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

PROTECTION CLOTHING: Protective clothing such as impervious gloves, apron, workpants, long sleeve workshirt or disposable coveralls are recommended to prevent skin contact.

VENTILATION: Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

OTHER: Food, beverages and tobacco products should not be carried, stored or consumed where this material is in use. Before eating, drinking or smoking, wash face and hands with soap and water. Avoid skin contact.

## SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment. Do not cut, weld or grind near containers.

OTHER PRECAUTIONS: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

## SECTION 10 - REGULATORY INFORMATION

SECTION 313 - SUPPLIER NOTIFICATION

THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMICALS WHICH ARE REPORTABLE UNDER SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

TSCA (Toxic Substances Control Act) Status: The components of this product are listed on the TSCA inventory.

APPROVED BY: MARK MARCIN
TECHNICAL DIRECTOR

# Appendix F
# Influent/Effluent Analytical Results October 2005 and January 2006

SEVERN TRENT STL®

STL Westfield
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707
www.stl-inc.com

Robert Jackson
Honeywell International
101 Columbia Road (MEY-4)
Morristown, NJ 07962

10/18/2005

Report Number: 229878

Dear Robert Jackson,

The analysis of your sample(s) submitted on 09/29/2005 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, Rebecca C. Mason.

For questions, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL WESTFIELD

Technical Review: SH 10.19.05

Total number of pages in this report: 57

NPDES RGP

Sample date: 9/28/05

9/29

SAMPLE INFORMATION
Date: 10/19/2005

Job Number.: 229878
Customer...: Honeywell International
Attn.....: Robert Jackson

Project Number.....: 20000365
Customer Project ID....: CONDUCTORLAB SITE
Project Description....: Conductorlab Site

| Laboratory Sample ID | Customer Sample ID | Sample Matrix | Date Sampled | Time Sampled | Date Received | Time Received |
|---|---|---|---|---|---|---|
| 229878-1 | C092905-Influent | Water | 09/29/2005 | 10:30 | 09/29/2005 | 18:15 |
| 229878-2 | C092905-Effluent | Water | 09/29/2005 | 11:00 | 09/29/2005 | 18:15 |
| 229878-3 | C092805-TripBlank | Water | 09/28/2005 | 12:00 | 09/29/2005 | 18:15 |

# LABORATORY TEST RESULTS

Job Number: 229878

Date: 10/19/2005

CUSTOMER: Honeywell International | PROJECT: CONDUCTORLAB SITE | ATTN: Robert Jackson

Customer Sample ID: C092905-Influent
Date Sampled.....: 09/29/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 229878-1
Date Received.....: 09/29/2005
Time Received.....: 18:15

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| SM18 4500CLF | Chlorine, Tot. Residual | ND | U | 0.050 | mg/L | 09/30/05 | pjs |
| EPA 160.2 | Solids, Total Suspended (TSS) | ND | U | 5.0 | mg/L | 10/04/05 | rac |
| SW846 7196A | Hexavalent Chromium | 0.48 | | 0.050 | mg/L | 09/30/05 | kmm |
| SW846 9014 | Cyanide, Total | ND | U | 0.010 | mg/L | 10/04/05 | kmm |
| SW846 7470A | Mercury (CVAA) Liquid Waste | | | | | | |
| | Mercury (Hg) | ND | U | 0.20 | ug/L | 10/05/05 | bpg |
| SW846 6010B | Metals Analysis (ICP) | | | | | | |
| | Iron (Fe) | 28 | B | 50 | ug/L | 10/17/05 | bpg |
| SW846 6010B | Metals Analysis (ICP) | | | | | | |
| | Antimony (Sb) | 2 | B | 6 | ug/L | 10/13/05 | bpg |
| | Arsenic (As) | ND | U | 5 | ug/L | 10/13/05 | bpg |
| | Cadmium (Cd) | ND | U | 1.0 | ug/L | 10/13/05 | bpg |
| | Chromium (Cr) | 740 | | 5.0 | ug/L | 10/13/05 | bpg |
| | Copper (Cu) | 17 | | 2 | ug/L | 10/13/05 | bpg |
| | Lead (Pb) | ND | U | 5 | ug/L | 10/13/05 | bpg |
| | Nickel (Ni) | 5 | B | 10 | ug/L | 10/13/05 | bpg |
| | Selenium (Se) | ND | U | 10 | ug/L | 10/13/05 | bpg |
| | Silver (Ag) | ND | U | 5.0 | ug/L | 10/13/05 | bpg |
| | Zinc (Zn) | 4 | B | 10 | ug/L | 10/13/05 | bpg |
| SW846 8011 | GC-Microextraction | | | | | | |
| | Microextraction | Complete | | | Text | 10/04/05 | pjs |
| SW846 8270C | Semivolatile Organics | | | | | | |
| | Phenol | ND | U | 10 | ug/L | 10/07/05 | baf |
| | Pentachlorophenol | ND | U | 50 | ug/L | 10/07/05 | baf |
| | Naphthalene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Acenaphthylene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Acenaphthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Fluorene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Phenanthrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(a)anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Chrysene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Bis(2-ethylhexyl)phthalate | ND | U | 10 | ug/L | 10/07/05 | baf |
| | Benzo(b)fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(k)fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(a)pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Indeno(1,2,3-cd)pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Dibenzo(a,h)anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 229878 Date: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C092905-Influent
Date Sampled.....: 09/29/2005
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 229878-1
Date Received.....: 09/29/2005
Time Received.....: 18:15

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| | Benzo(ghi)perylene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| SW846 8011 | GC Micro-Extractable Volatiles | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | U | 0.020 | ug/L | 10/05/05 | pjs |
| EPA 608 | Pesticides/PCBs (Organochlorine) | | | | | | |
| | Aroclor 1016 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1221 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1232 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1242 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1248 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1254 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1260 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Chlordane, total | ND | U | 0.50 | ug/L | 10/07/05 | jcs |
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Toluene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Ethylbenzene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | m&p-Xylenes | ND | U | 25 | ug/L | 10/06/05 | blw |
| | o-Xylene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethane | ND | U | 25 | ug/L | 10/06/05 | blw |
| | cis-1,2-Dichloroethene | 250 | | 25 | ug/L | 10/06/05 | blw |
| | Carbon tetrachloride | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,2-Dichloroethane | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,3-Dichlorobenzene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,4-Dichlorobenzene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | 1,2-Dichlorobenzene | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Naphthalene | ND | U | 120 | ug/L | 10/06/05 | blw |
| | tert-Butyl alcohol (TBA) | ND | U | 1200 | ug/L | 10/06/05 | blw |
| | tert-Amyl methyl ether (TAME) | ND | U | 120 | ug/L | 10/06/05 | blw |
| | Vinyl chloride | 12 | J | 25 | ug/L | 10/06/05 | blw |
| | Acetone | ND | U | 1200 | ug/L | 10/06/05 | blw |
| | Methylene chloride | ND | U | 50 | ug/L | 10/06/05 | blw |
| | 1,1,1-Trichloroethane | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Trichloroethene (TCE) | 1500 | | 25 | ug/L | 10/06/05 | blw |
| | 1,1,2-Trichloroethane | ND | U | 25 | ug/L | 10/06/05 | blw |
| | Tetrachloroethene | 14 | J | 25 | ug/L | 10/06/05 | blw |
| | 1,4-Dioxane | ND | U | 1200 | ug/L | 10/06/05 | blw |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 229878 Date: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C092905-Effluent
Date Sampled.....: 09/29/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 229878-2
Date Received.....: 09/29/2005
Time Received.....: 18:15

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| SM18 4500CLF | Chlorine, Tot. Residual | ND | U | 0.050 | mg/L | 09/30/05 | pjs |
| EPA 160.2 | Solids, Total Suspended (TSS) | ND | U | 5.0 | mg/L | 10/04/05 | rac |
| SW846 7196A | Hexavalent Chromium | 0.0027 | B | 0.0050 | mg/L | 09/30/05 | kmm |
| SW846 9014 | Cyanide, Total | ND | U | 0.010 | mg/L | 10/04/05 | kmm |
| SW846 7470A | Mercury (CVAA) Liquid Waste | | | | | | |
| | Mercury (Hg) | ND | U | 0.20 | ug/L | 10/05/05 | bpg |
| SW846 6010B | Metals Analysis (ICP) | | | | | | |
| | Iron (Fe) | 45 | B | 50 | ug/L | 10/17/05 | bpg |
| SW846 6010B | Metals Analysis (ICP) | | | | | | |
| | Antimony (Sb) | ND | U | 6 | ug/L | 10/17/05 | bpg |
| | Arsenic (As) | ND | U | 5 | ug/L | 10/17/05 | bpg |
| | Cadmium (Cd) | ND | U | 1.0 | ug/L | 10/17/05 | bpg |
| | Chromium (Cr) | ND | U | 5.0 | ug/L | 10/17/05 | bpg |
| | Copper (Cu) | ND | U | 2 | ug/L | 10/17/05 | bpg |
| | Lead (Pb) | ND | U | 5 | ug/L | 10/17/05 | bpg |
| | Nickel (Ni) | 3 | B | 10 | ug/L | 10/17/05 | bpg |
| | Selenium (Se) | ND | U | 10 | ug/L | 10/17/05 | bpg |
| | Silver (Ag) | ND | U | 5.0 | ug/L | 10/17/05 | bpg |
| | Zinc (Zn) | 2 | B | 10 | ug/L | 10/17/05 | bpg |
| SW846 8011 | GC-Microextraction | | | | | | |
| | Microextraction | Complete | | | Text | 10/04/05 | pjs |
| SW846 8270C | Semivolatile Organics | | | | | | |
| | Phenol | ND | U | 10 | ug/L | 10/07/05 | baf |
| | Pentachlorophenol | ND | U | 50 | ug/L | 10/07/05 | baf |
| | Naphthalene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Acenaphthylene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Acenaphthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Fluorene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Phenanthrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(a)anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Chrysene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Bis(2-ethylhexyl)phthalate | ND | U | 10 | ug/L | 10/07/05 | baf |
| | Benzo(b)fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(k)fluoranthene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Benzo(a)pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Indeno(1,2,3-cd)pyrene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| | Dibenzo(a,h)anthracene | ND | U | 5.0 | ug/L | 10/07/05 | baf |

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 229878 Date: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C092905-Effluent
Date Sampled.....: 09/29/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 229878-2
Date Received.....: 09/29/2005
Time Received.....: 18:15

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| | Benzo(ghi)perylene | ND | U | 5.0 | ug/L | 10/07/05 | baf |
| SW846 8011 | GC Micro-Extractable Volatiles | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | U | 0.020 | ug/L | 10/05/05 | pjs |
| EPA 608 | Pesticides/PCBs (Organochlorine) | | | | | | |
| | Aroclor 1016 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1221 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1232 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1242 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1248 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1254 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Aroclor 1260 | ND | U | 1.0 | ug/L | 10/07/05 | jcs |
| | Chlordane, total | ND | U | 0.50 | ug/L | 10/07/05 | jcs |
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Toluene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Ethylbenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | m&p-Xylenes | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | o-Xylene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | cis-1,2-Dichloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Carbon tetrachloride | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,2-Dichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,3-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,4-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,2-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Naphthalene | ND | U | 5.0 | ug/L | 10/06/05 | blw |
| | tert-Butyl alcohol (TBA) | ND | U | 50 | ug/L | 10/06/05 | blw |
| | tert-Amyl methyl ether (TAME) | ND | U | 5.0 | ug/L | 10/06/05 | blw |
| | Vinyl chloride | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Acetone | ND | U | 50 | ug/L | 10/06/05 | blw |
| | Methylene chloride | ND | U | 2.0 | ug/L | 10/06/05 | blw |
| | 1,1,1-Trichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Trichloroethene (TCE) | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1,2-Trichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Tetrachloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,4-Dioxane | ND | U | 50 | ug/L | 10/06/05 | blw |

* In Description = Dry Wgt.

# LABORATORY TEST RESULTS

Job Number: 229878 Date: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C092805-TripBlank
Date Sampled.....: 09/28/2005
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 229878-3
Date Received.....: 09/29/2005
Time Received.....: 18:15

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Toluene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Ethylbenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | m&p-Xylenes | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | o-Xylene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1-Dichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | cis-1,2-Dichloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Carbon tetrachloride | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,2-Dichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,3-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,4-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,2-Dichlorobenzene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Naphthalene | ND | U | 5.0 | ug/L | 10/06/05 | blw |
| | tert-Butyl alcohol (TBA) | ND | U | 50 | ug/L | 10/06/05 | blw |
| | tert-Amyl methyl ether (TAME) | ND | U | 5.0 | ug/L | 10/06/05 | blw |
| | Vinyl chloride | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Acetone | ND | U | 50 | ug/L | 10/06/05 | blw |
| | Methylene chloride | ND | U | 2.0 | ug/L | 10/06/05 | blw |
| | 1,1,1-Trichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Trichloroethene (TCE) | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,1,2-Trichloroethane | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | Tetrachloroethene | ND | U | 1.0 | ug/L | 10/06/05 | blw |
| | 1,4-Dioxane | ND | U | 50 | ug/L | 10/06/05 | blw |

* In Description = Dry Wgt.

# LABORATORY CHRONICLE

Job Number: 229878 Date: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Lab ID: 229878-1 Client ID: C092905-Influent Date Recvd: 09/29/2005 Sample Date: 09/29/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| 3010A | Acid Digestion, Total (ICP) | 1 | 50654 | | 10/03/2005 0000 | |
| SM18 4500CLF | Chlorine, (DPD) | 1 | 50603 | | 09/30/2005 0000 | |
| SW846 9014 | Cyanide (Colorimetric) | 1 | 50741 | | 10/04/2005 0000 | |
| SW8469010A MCP | Cyanide Preparation Aqueous Matrix | 1 | 50706 | | 10/03/2005 0000 | |
| SW846 3510C | Extraction Sep. Funnel (SVOC) | 1 | 50760 | | 10/04/2005 0000 | |
| EPA 608 Extr. | Extraction Sep. Funnel Prep for EPA 608 | 1 | 50903 | | 10/06/2005 0000 | |
| SW846 8011 | GC Micro-Extractable Volatiles | 1 | 50773 | | 10/05/2005 0211 | |
| SW846 8011 | GC-Microextraction | 1 | 50747 | | 10/04/2005 0000 | |
| SW846 7196A | Hexavalent Chromium | 1 | 50723 | | 09/30/2005 0844 | 10 |
| SW846 7470A | Mercury (CVAA) Aqueous Preparation | 1 | 50685 | | 10/03/2005 1554 | |
| SW846 7470A | Mercury (CVAA) Liquid Waste | 1 | 50977 | 50685 | 10/05/2005 1401 | |
| SW846 6010B | Metals Analysis (ICP) | 1 | 51289 | 50654 | 10/13/2005 1634 | |
| SW846 6010B | Metals Analysis (ICP) | 1 | 51420 | 50654 | 10/17/2005 1628 | |
| EPA 608 | Pesticides/PCBs (Organochlorine) | 1 | 51015 | 50903 | 10/07/2005 2236 | |
| SW846 8270C | Semivolatile Organics | 1 | 51025 | 50760 | 10/07/2005 2148 | |
| EPA 160.2 | Solids, Total Suspended (TSS) | 1 | 50845 | | 10/04/2005 0000 | |
| | Special Instructions | 1 | 50959 | | | |
| | Special Instructions | 1 | 51017 | | 10/10/2005 0000 | |
| SW846 8260B | Volatile Organics | 1 | 50949 | | 10/06/2005 1843 | 25 |

Lab ID: 229878-2 Client ID: C092905-Effluent Date Recvd: 09/29/2005 Sample Date: 09/29/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| 3010A | Acid Digestion, Total (ICP) | 1 | 50654 | | 10/03/2005 0000 | |
| SM18 4500CLF | Chlorine, (DPD) | 1 | 50603 | | 09/30/2005 0000 | |
| SW846 9014 | Cyanide (Colorimetric) | 1 | 50741 | | 10/04/2005 0000 | |
| SW8469010A MCP | Cyanide Preparation Aqueous Matrix | 1 | 50706 | | 10/03/2005 | |
| SW846 3510C | Extraction Sep. Funnel (SVOC) | 1 | 50760 | | 10/04/2005 0000 | |
| EPA 608 Extr. | Extraction Sep. Funnel Prep for EPA 608 | 1 | 50903 | | 10/06/2005 0000 | |
| SW846 8011 | GC Micro-Extractable Volatiles | 1 | 50773 | | 10/05/2005 0227 | |
| SW846 8011 | GC-Microextraction | 1 | 50747 | | 10/04/2005 0000 | |
| SW846 7196A | Hexavalent Chromium | 1 | 50723 | | 09/30/2005 0844 | |
| SW846 7470A | Mercury (CVAA) Aqueous Preparation | 1 | 50685 | | 10/03/2005 1600 | |
| SW846 7470A | Mercury (CVAA) Liquid Waste | 1 | 50977 | 50685 | 10/05/2005 1404 | |
| SW846 6010B | Metals Analysis (ICP) | 1 | 51420 | 50654 | 10/17/2005 1720 | |
| SW846 6010B | Metals Analysis (ICP) | 1 | 51395 | 50654 | 10/17/2005 1820 | |
| EPA 608 | Pesticides/PCBs (Organochlorine) | 1 | 51015 | 50903 | 10/07/2005 2301 | |
| SW846 8270C | Semivolatile Organics | 1 | 51025 | 50760 | 10/07/2005 2226 | |
| EPA 160.2 | Solids, Total Suspended (TSS) | 1 | 50845 | | 10/04/2005 0000 | |
| | Special Instructions | 1 | 50959 | | | |
| | Special Instructions | 1 | 51017 | | 10/10/2005 0000 | |
| SW846 8260B | Volatile Organics | 1 | 50949 | | 10/06/2005 1907 | 1 |

Lab ID: 229878-3 Client ID: C092805-TripBlank Date Recvd: 09/29/2005 Sample Date: 09/28/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| | Special Instructions | 1 | 50959 | | | |
| SW846 8260B | Volatile Organics | 1 | 50949 | | 10/06/2005 1930 | 1 |

# SURROGATE RECOVERIES REPORT

Job Number.: 229878 — Report Date.: 10/19/2005

CUSTOMER: Honeywell International — PROJECT: CONDUCTORLAB SITE — ATTN: Robert Jackson

Method.....: Pesticides/PCBs (Organochlorine) — Method Code...: 608 — Prep Batch....: 50903
Batch(s).....: 51015 — Test Matrix...: Water — Equipment Code:

| Lab ID | DT | Sample ID | Date | DCB | TCX |
|---|---|---|---|---|---|
| LCD | | | 10/08/2005 | 156.5 | 144.0 |
| LCS | | | 10/08/2005 | 83.4 | 86.3 |
| MB | | | 10/08/2005 | 125.3 | 94.5 |
| 229878- 1 | | C092905-Influent | 10/07/2005 | 117.1 | 116.0 |
| 229878- 2 | | C092905-Effluent | 10/07/2005 | 121.4 | 100.5 |

| Test | Test Description | Limits |
|---|---|---|
| DCB | Decachlorobiphenyl (surr) | 30.0 - 150. |
| TCX | Tetrachloro-m-xylene (surr) | 30.0 - 150. |

# SURROGATE RECOVERIES REPORT

Job Number.: 229878 — Report Date.: 10/19/2005

CUSTOMER: Honeywell International — PROJECT: CONDUCTORLAB SITE — ATTN: Robert Jackson

Method.....: Volatile Organics — Method Code...: 8260 — Prep Batch....:
Batch(s).....: 50949 — Test Matrix...: Water — Equipment Code: VHPMS1

| Lab ID | DT | Sample ID | Date | 12DCED | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|
| LCD | | | 10/06/2005 | 104.8 | 101.2 | 100.8 |
| LCS | | | 10/06/2005 | 103.5 | 101.1 | 101.4 |
| MB | | | 10/06/2005 | 102.7 | 101.6 | 99.2 |
| 229878- 1 | | C092905-Influent | 10/06/2005 | 95.9 | 99.0 | 100.4 |
| 229878- 2 | | C092905-Effluent | 10/06/2005 | 120.8 | 102.7 | 100.5 |
| 229878- 3 | | C092805-TripBlank | 10/06/2005 | 96.5 | 99.4 | 94.5 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2-Dichloroethane-d4 (surr) | 70.0 - 130. |
| DBRFLM | Dibromofluoromethane (surr) | 70.0 - 130. |
| TOLD8 | Toluene-d8 (surr) | 70.0 - 130. |

# SURROGATE RECOVERIES REPORT

Job Number.: 229878 Report Date.: 10/19/2005

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 50760
Batch(s).....: 51025 Test Matrix...: Water Equipment Code: EHPGC1

| Lab ID | DT | Sample ID | Date | 246TBP | 2FLUBP | 2FLUPH | NITRD5 | PHEND5 | TERD14 |
|---|---|---|---|---|---|---|---|---|---|
| LCD | | | 10/04/2005 | 75.9 | 74.3 | 43.7 | 72.1 | 32.7 | 73.4 |
| LCS | | | 10/04/2005 | 74.7 | 70.7 | 34.8 | 65.4 | 25.0 | 73.3 |
| MB | | | 10/04/2005 | 73.7 | 69.2 | 34.7 | 70.8 | 30.9 | 76.9 |
| 229878- 1 | | C092905-Influent | 10/07/2005 | 37.3 | 35.8 | 24.1 | 37.1 | 14.5* | 52.5 |
| 229878- 2 | | C092905-Effluent | 10/07/2005 | 29.2 | 29.2* | 16.9 | 30.0 | 10.3* | 39.9 |

| Test | Test Description | Limits |
|---|---|---|
| 246TBP | 2,4,6-Tribromophenol (surr) | 15.0 - 110. |
| 2FLUBP | 2-Fluorobiphenyl (surr) | 30.0 - 130. |
| 2FLUPH | 2-Fluorophenol (surr) | 15.0 - 110. |
| NITRD5 | Nitrobenzene-d5 (surr) | 30.0 - 130. |
| PHEND5 | Phenol-d5 (surr) | 15.0 - 110. |
| TERD14 | Terphenyl-d14 (surr) | 30.0 - 130. |

# QUALITY ASSURANCE METHODS

## REFERENCES AND NOTES

Report Date: 10/19/2005

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LABORATORY CERTIFICATIONS:

MADEP MA014, NY NELAC 10843, NJ NELAC MA008 (TOX), FL NELAC E87912 (TOX), CT DPH 0494, NY DOH 10843, NH DES 253901-A, VT DECWSD, RI DOH 57.

LOCATION:

STL Westfield: 53 Southampton Rd, Westfield, MA 01085. Phone: (413) 572-4000 Fax: (413) 572-3707

STL Service Center: 148 Rangeway Rd. N. Billerica, MA 01862. Phone: (978) 667-1400 Fax: (978) 667-7871

DATA REPORTING QUALIFIERS AND TERMINOLOGY:

A number of data qualifiers are widely used within the environmental testing industry and may be utilized in our data reports. The majority of the qualifiers have evolved from the EPA Contract Laboratory Program (CLP).

REPORT COMMENTS:

All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Soil, sediment and sludge sample results are reported on a "dry weight" basis.

Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert.ID# 10843.

According to 40CFR Part 136.3, pH, Total Residual Chlorine and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field analyses, they were not analyzed immediately, but as soon as possible on laboratory receipt.

Analytical result(s) reported as "ND" and/or "U", indicates the analyte was analyzed for but "Not Detected."
Analytical result(s) reported as "TNTC" indicates that the microbiological test was "Too Numerous To Count."

GLOSSARY OF QUALIFIERS:

Inorganic Qualifiers (Q-column):

U Indicates that the analyte was analyzed for but not detected.
E Indicates an estimated value due to the presence of interference. When applied to GFAA analysis, indicates the one-point method of addition recovered between 40-85 percent.
B Indicates an estimated result value. The result was measured between the reporting limit and the method detection limit (MDL).
H Indicates the compound/element was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination.

Organic Qualifiers (Q-column):

U Indicates that the compound was analyzed for but not detected.
J Indicates an estimated result value. This qualifier is used when mass spectral data indicated the presence of a compound that meets the identification criteria and the result is less than the specified quantitation limit, but greater than the method detection limit (MDL).
B Indicates that the compound was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination and warns the data user to exercise caution when applying the results to this compound.
D Indicates all compounds identified in an analysis at a secondary dilution factor.
E Indicates that the compound in an analysis has exceeded the instrument linear calibration range.

# QUALITY ASSURANCE METHODS

## REFERENCES AND NOTES

Report Date: 10/19/2005

GLOSSARY OF TERMS:

Surrogates (Surrogate Standards): An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but are not normally found in environmental samples. For semi-volatiles and pesticides/Arochlors, surrogate compounds are added to every blank, sample, matrix spike, matrix spiked duplicate, matrix spike blank (LCS), and standard. These compounds are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Internal Standard: An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank (LCS), and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Matrix Spike (MS): An aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for matrix interference by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Laboratory Control Sample (LCS): An aliquot of analyte-free reagent water or sand fortifed (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method efficiency.

Blank: An artificial sample of analyte-free water or solvent, designed to monitor the introduction of contaminates into the analytical process.

Method Dectection Limit (MDL): The minimum concentration of an analyte or compound that can be measured and reported with 99% confidence that the result concentration is greater than zero.

Petroleum Hydrocarbon Comments:

The following comments are specific to Diesel Range Organics (DRO), by GC/FID:

Results for DRO are based on chromatographable portions of the petroleum product. The Carbon Range refers to the approximate chromatographic region covered by the specified petroleum product in straight-chain carbon units between C9-C36.

Quantitation is based on the average response factors for a series of hydrocarbons standards. The sample result from the DRO fraction is independent of the target compound assignment.

Samples yielding chromatographic patterns that do not agree with any of the method targets are reported as "unmatched".

**STL Westfield**
53 South Hampton Road
Westfield, Massachusetts, 01085
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# Honeywell — Chain Of Custody / Analysis Request

AESI Ref: 38450.55525
COC # : 92905
Lab Use Only
Lab Proj #
Lab ID

Privileged & Confidential: N
EDD To: Kerry Tull krtull@mactec.com
Sampler: MACTEC
P O #
Site Name: Conductorlab Site, Quarterly Sampling
Location of Site: Groton, Massachusetts

PAGE 1 of 1
Job No.3650050037

Client Contact: (name, co., address)
Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Hardcopy Report To: Chris Ricardi (MACTEC) 207.775.5401
Invoice To: Honeywell International, Inc.

Analysis Turnaround Time:
Standard - 14
Rush Charges Authorized for -
2 weeks - Y
1 week - Y
Next Day -

What is in the Text File? Mouse over here.
Written and maintained by AESI (Ver 3_7) 02-01-05 renesurgi@aol.com

| Sample Identification | | | | Sample Date | Sample Time | Sample Type | Sample Matrix | Sample Purpose | # of Cont. | Grab/Composite | Field Filtered Sample ? | SW846/8260B Volatile Organic Compounds | Total Metals | SW1311/7196B Hexavalent Chromium & TSS | Total Cyanide | Total Res. Chlorine | EDB 8011 | PCB | 8270 | TPH By 1664 | Lab Sample Numbers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location ID | Start Depth (ft) | End Depth (ft) | Field Sample ID | | | | | | | Preservative | | 1 | 2 | 0 | 6 | 0 | 3 | 0 | 0 | 1 | |
| | | | | | | | | | | Units | | ug/L | | | | | | | | | |
| Influent | | | C092905-Influent | 9/29/2005 | 10:30 | GW | Water | REG | | grab | N | X | X | X | X | X | X | X | X | X | |
| Effluent | | | C092905-Effluent | 9/29/2005 | 11:00 | GW | Water | REG | | grab | N | X | X | X | X | X | X | X | X | X | |
| Trip Blank | | | C092805-TripBlank | 9/28/2005 | None | TB | Water | TB | 2 | grab | N | X | | | | | | | | | |

Special Instructions: MCP Protocol, GW-1 Detection Limits, MCP QA/QC Report.
SW846/8260B Volatile Organic Compounds, SW1311/7196B Hexavalent Chromium, SW846/6010B Total Chromium, SW846/6010B Total Metals

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by : Kerry Smith | Company | MACTEC | Received by | Company: STL | | Condition | Custody Seals Intact |
| | Date/Time | 9/29/2005 13:45:00 AM | | Date/Time | 9/29/2005 13:45:0 | Cooler Temp. | |
| Relinquished by | Company | | Received by | Company | | Condition | Custody Seals Intact |
| | Date/Time | | | Date/Time | | Cooler Temp. | |

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

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Robert Jackson
Honeywell International
101 Columbia Road (MEY-4)
Morristown, NJ 07962

01/16/2006

Report Number: 231351

Dear Robert Jackson,

The analysis of your sample(s) submitted on 01/04/2006 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, Rebecca C. Mason.

For questions, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL WESTFIELD

Technical Review: _____ 1/18/06

Total number of pages in this report: 21

## SAMPLE INFORMATION
Date: 01/16/2006

Job Number.: 231351
Customer...: Honeywell International
Attn.....: Robert Jackson

Project Number.....: 20000365
Customer Project ID....: CONDUCTORLAB SITE
Project Description....: Conductorlab Site

| Laboratory Sample ID | Customer Sample ID | Sample Matrix | Date Sampled | Time Sampled | Date Received | Time Received |
|---|---|---|---|---|---|---|
| 231351-1 | C010406-InfRGP | Water | 01/04/2006 | 10:00 | 01/04/2006 | 16:45 |
| 231351-2 | C010406-EffRGP | Water | 01/04/2006 | 10:40 | 01/04/2006 | 16:45 |
| 231351-3 | Trip Blank | Lab Water | 12/30/2005 | 09:30 | 01/04/2006 | 16:45 |



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NH DES 253903-A

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NY DOH 10843

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# LABORATORY TEST RESULTS

Job Number: 231351 Date: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C010406-InfRGP
Date Sampled.....: 01/04/2006
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 231351-1
Date Received.....: 01/04/2006
Time Received.....: 16:45

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| LAC 10-210001A | Phenolics, Total Recoverable | ND | U | 0.010 | mg/L | 01/06/06 | kmm |
| SW846 8011 | GC-Microextraction | | | | | | |
| | Microextraction | Complete | | | Text | 01/10/06 | cdt |
| SW846 8011 | GC Micro-Extractable Volatiles | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | U | 0.019 | ug/L | 01/10/06 | cdt |
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | Toluene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | Ethylbenzene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | m&p-Xylenes | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | o-Xylene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,1-Dichloroethene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,1-Dichloroethane | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | cis-1,2-Dichloroethene | 22 | | 1.0 | ug/L | 01/10/06 | caox |
| | Carbon tetrachloride | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,2-Dichloroethane | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,3-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,4-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | 1,2-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | Naphthalene | ND | U | 5.0 | ug/L | 01/10/06 | caox |
| | tert-Butyl alcohol (TBA) | ND | U | 50 | ug/L | 01/10/06 | caox |
| | tert-Amyl methyl ether (TAME) | ND | U | 5.0 | ug/L | 01/10/06 | caox |
| | Vinyl chloride | 0.70 | J | 1.0 | ug/L | 01/10/06 | caox |
| | Acetone | ND | U | 50 | ug/L | 01/10/06 | caox |
| | Methylene chloride | ND | U | 2.0 | ug/L | 01/10/06 | caox |
| | 1,1,1-Trichloroethane | 1.0 | | 1.0 | ug/L | 01/10/06 | caox |
| | Trichloroethene (TCE) | 310 | | 5.0 | ug/L | 01/05/06 | caox |
| | 1,1,2-Trichloroethane | ND | U | 1.0 | ug/L | 01/10/06 | caox |
| | Tetrachloroethene | 5.3 | | 1.0 | ug/L | 01/10/06 | caox |
| | 1,4-Dioxane | ND | U | 50 | ug/L | 01/10/06 | caox |

* In Description = Dry Wgt.



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# LABORATORY TEST RESULTS

Job Number: 231351 Date: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: C010406-EffRGP
Date Sampled.....: 01/04/2006
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 231351-2
Date Received.....: 01/04/2006
Time Received.....: 16:45

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| LAC 10-210001A | Phenolics, Total Recoverable | ND | U | 0.010 | mg/L | 01/06/06 | kmm |
| SW846 8011 | GC-Microextraction | | | | | | |
| | Microextraction | Complete | | | Text | 01/10/06 | cdt |
| SW846 8011 | GC Micro-Extractable Volatiles | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | U | 0.019 | ug/L | 01/10/06 | cdt |
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Toluene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Ethylbenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | m&p-Xylenes | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | o-Xylene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1-Dichloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1-Dichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | cis-1,2-Dichloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Carbon tetrachloride | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,2-Dichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,3-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,4-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,2-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Naphthalene | ND | U | 5.0 | ug/L | 01/05/06 | caox |
| | tert-Butyl alcohol (TBA) | ND | U | 50 | ug/L | 01/05/06 | caox |
| | tert-Amyl methyl ether (TAME) | ND | U | 5.0 | ug/L | 01/05/06 | caox |
| | Vinyl chloride | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Acetone | ND | U | 50 | ug/L | 01/05/06 | caox |
| | Methylene chloride | ND | U | 2.0 | ug/L | 01/05/06 | caox |
| | 1,1,1-Trichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Trichloroethene (TCE) | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1,2-Trichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Tetrachloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,4-Dioxane | ND | U | 50 | ug/L | 01/05/06 | caox |

* In Description = Dry Wgt.



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LABORATORY TEST RESULTS

Job Number: 231351 Date: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Customer Sample ID: Trip Blank
Date Sampled.....: 12/30/2005
Time Sampled.....: 09:30
Sample Matrix.....: Lab Water

Laboratory Sample ID: 231351-3
Date Received.....: 01/04/2006
Time Received.....: 16:45

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | REPORTING LIMIT | UNITS | DATE | TECH |
|---|---|---|---|---|---|---|---|
| SW846 8011 | GC-Microextraction | | | | | | |
| | Microextraction | Complete | | | Text | 01/10/06 | cdt |
| SW846 8011 | GC Micro-Extractable Volatiles | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | U | 0.019 | ug/L | 01/10/06 | cdt |
| SW846 8260B | Volatile Organics | | | | | | |
| | Benzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Toluene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Ethylbenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | m&p-Xylenes | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | o-Xylene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1-Dichloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Methyl-tert-butyl-ether (MTBE) | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1-Dichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | cis-1,2-Dichloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Carbon tetrachloride | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,2-Dichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,3-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,4-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,2-Dichlorobenzene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Naphthalene | ND | U | 5.0 | ug/L | 01/05/06 | caox |
| | tert-Butyl alcohol (TBA) | ND | U | 50 | ug/L | 01/05/06 | caox |
| | tert-Amyl methyl ether (TAME) | ND | U | 5.0 | ug/L | 01/05/06 | caox |
| | Vinyl chloride | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Acetone | ND | U | 50 | ug/L | 01/05/06 | caox |
| | Methylene chloride | ND | U | 2.0 | ug/L | 01/05/06 | caox |
| | 1,1,1-Trichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Trichloroethene (TCE) | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,1,2-Trichloroethane | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | Tetrachloroethene | ND | U | 1.0 | ug/L | 01/05/06 | caox |
| | 1,4-Dioxane | ND | U | 50 | ug/L | 01/05/06 | caox |

* In Description = Dry Wgt.



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LABORATORY CHRONICLE

Job Number: 231351 Date: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Lab ID: 231351-1 Client ID: C010406-InfRGP Date Recvd: 01/04/2006 Sample Date: 01/04/2006

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| SW846 8011 | GC Micro-Extractable Volatiles | 1 | 54139 | | 01/10/2006 | 1930 | |
| SW846 8011 | GC-Microextraction | 1 | 54138 | | 01/10/2006 | 0000 | |
| LAC 10-210001A | Phenolics, Total Recoverable | 1 | 54063 | | 01/06/2006 | 0000 | |
| | Special Instructions | 1 | 54048 | | 01/06/2006 | 1443 | |
| SW846 8260B | Volatile Organics | 1 | 54049 | | 01/05/2006 | 2130 | 5 |
| SW846 8260B | Volatile Organics | 1 | 54113 | | 01/10/2006 | 0459 | 1 |

Lab ID: 231351-2 Client ID: C010406-EffRGP Date Recvd: 01/04/2006 Sample Date: 01/04/2006

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| SW846 8011 | GC Micro-Extractable Volatiles | 1 | 54139 | | 01/10/2006 | 1946 | |
| SW846 8011 | GC-Microextraction | 1 | 54138 | | 01/10/2006 | 0000 | |
| LAC 10-210001A | Phenolics, Total Recoverable | 1 | 54063 | | 01/06/2006 | 0000 | |
| | Special Instructions | 1 | 54048 | | 01/06/2006 | 1443 | |
| SW846 8260B | Volatile Organics | 1 | 54049 | | 01/05/2006 | 2103 | 1 |

Lab ID: 231351-3 Client ID: Trip Blank Date Recvd: 01/04/2006 Sample Date: 12/30/2005

| METHOD | DESCRIPTION | RUN# | BATCH# | PREP BT #(S) | DATE/TIME ANALYZED | | DILUTION |
|---|---|---|---|---|---|---|---|
| SW846 8011 | GC Micro-Extractable Volatiles | 1 | 54139 | | 01/10/2006 | 2002 | |
| SW846 8011 | GC-Microextraction | 1 | 54138 | | 01/10/2006 | 0000 | |
| | Special Instructions | 1 | 54048 | | 01/06/2006 | 1443 | |
| SW846 8260B | Volatile Organics | 1 | 54049 | | 01/05/2006 | 2035 | 1 |



SEVERN TRENT STL

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CTDPH 0494
VT DECWSD
NH DES 253903-A

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# SURROGATE RECOVERIES REPORT

Job Number.: 231351 Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 54049 54113 Test Matrix...: Water Equipment Code: VHPMS1

| Lab ID | DT | Sample ID | Date | 12DCED | BRFLBE | DBRFLM | TOLD8 |
|---|---|---|---|---|---|---|---|
| LCD | | | 01/05/2006 | 88.4 | 89.0 | 107.0 | 101.4 |
| LCD | | | 01/09/2006 | 102.8 | 100.2 | 105.2 | 100.0 |
| LCS | | | 01/05/2006 | 89.3 | 89.2 | 107.8 | 101.5 |
| LCS | | | 01/09/2006 | 102.0 | 100.0 | 104.5 | 100.0 |
| MB | | | 01/05/2006 | 88.1 | 86.0 | 110.5 | 101.8 |
| MB | | | 01/09/2006 | 101.7 | 98.0 | 103.8 | 98.7 |
| 231351- 1 | | C010406-InfRGP | 01/05/2006 | 91.0 | 87.6 | 111.1 | 101.3 |
| 231351- 1 | | C010406-InfRGP | 01/10/2006 | 109.9 | 99.2 | 108.9 | 100.5 |
| 231351- 2 | | C010406-EffRGP | 01/05/2006 | 89.8 | 87.7 | 110.0 | 101.2 |
| 231351- 3 | | Trip Blank | 01/05/2006 | 89.6 | 87.3 | 110.0 | 100.9 |

| Test | Test Description | Limits |
|---|---|---|
| 12DCED | 1,2-Dichloroethane-d4 (surr) | 70.0 - 130. |
| BRFLBE | 4-Bromofluorobenzene (surr) | 70.0 - 130. |
| DBRFLM | Dibromofluoromethane (surr) | 70.0 - 130. |
| TOLD8 | Toluene-d8 (surr) | 70.0 - 130. |



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# QUALITY CONTROL RESULTS

Job Number.: 231351 Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | S04HSPK303 | | | 01/10/2006 | 1914 |

Test Method.....: SW846 8011 Analyst...: cdt
Method Description.: GC Micro-Extractable Volatiles Batch.....: 54139

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | ug/L | 0.278 | 0.278 | 0.251 | 0.020 | U | 110.8 | | 70.0-130.0 | |
| | | | | | | | 0.0 | | 20.0 | |



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QUALITY CONTROL RESULTS

Job Number.: 231351

Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | S04HSPK303 | | | 01/10/2006 | 1858 |

Test Method.....: SW846 8011 Analyst...: cdt

Method Description.: GC Micro-Extractable Volatiles Batch.....: 54139

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | ug/L | 0.278 | | 0.251 | 0.020 U | 110.8 | | 70-130 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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# QUALITY CONTROL RESULTS

Job Number.: 231351

Report Date.: 01/16/2006

CUSTOMER: Honeywell International | PROJECT: CONDUCTORLAB SITE | ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | | | 01/10/2006 | 1842 |

Test Method.....: SW846 8011
Method Description.: GC Micro-Extractable Volatiles

Batch.....: 54139

Analyst...: cdt

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | ug/L | 0.020 U | | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 231351 Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|

Test Method.....: SW846 8260B Analyst...: caox
Method Description.: Volatile Organics Batch.....: 54049

| LCD | Laboratory Control Sample Duplicate | V04EWRK001 | | | 01/05/2006 | 1343 |
|---|---|---|---|---|---|---|

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 26.270 | 26.560 | 20.000 | 1.000 U | 131.3 | | 70.0-130.0 | * |
| | | | | | | 1.1 | | 25.0 | |
| 1,1-Dichloroethene | ug/L | 18.010 | 18.470 | 20.000 | 1.000 U | 90.0 | | 70.0-130.0 | |
| | | | | | | 2.5 | | 25.0 | |
| Acetone | ug/L | 137.640 | 138.010 | 200.000 | 50.000 U | 68.8 | | 70.0-130.0 | * |
| | | | | | | 0.3 | | 25.0 | |
| Methylene chloride | ug/L | 21.360 | 21.750 | 20.000 | 2.000 U | 106.8 | | 70.0-130.0 | |
| | | | | | | 1.8 | | 25.0 | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 17.720 | 17.890 | 20.000 | 1.000 U | 88.6 | | 70.0-130.0 | |
| | | | | | | 1.0 | | 25.0 | |
| 1,1-Dichloroethane | ug/L | 19.930 | 20.190 | 20.000 | 1.000 U | 99.7 | | 70.0-130.0 | |
| | | | | | | 1.3 | | 25.0 | |
| cis-1,2-Dichloroethene | ug/L | 20.100 | 20.390 | 20.000 | 1.000 U | 100.5 | | 70.0-130.0 | |
| | | | | | | 1.4 | | 25.0 | |
| 1,1,1-Trichloroethane | ug/L | 19.200 | 19.330 | 20.000 | 1.000 U | 96.0 | | 70.0-130.0 | |
| | | | | | | 0.7 | | 25.0 | |
| Carbon tetrachloride | ug/L | 22.240 | 22.480 | 20.000 | 1.000 U | 111.2 | | 70.0-130.0 | |
| | | | | | | 1.1 | | 25.0 | |
| Benzene | ug/L | 20.810 | 20.840 | 20.000 | 1.000 U | 104.0 | | 70.0-130.0 | |
| | | | | | | 0.1 | | 25.0 | |
| 1,2-Dichloroethane | ug/L | 17.910 | 17.910 | 20.000 | 1.000 U | 89.5 | | 70.0-130.0 | |
| | | | | | | 0.0 | | 25.0 | |
| Trichloroethene (TCE) | ug/L | 23.100 | 23.370 | 20.000 | 1.000 U | 115.5 | | 70.0-130.0 | |
| | | | | | | 1.2 | | 25.0 | |
| Toluene | ug/L | 19.820 | 19.870 | 20.000 | 1.000 U | 99.1 | | 70.0-130.0 | |
| | | | | | | 0.3 | | 25.0 | |
| 1,1,2-Trichloroethane | ug/L | 21.870 | 21.640 | 20.000 | 1.000 U | 109.3 | | 70.0-130.0 | |
| | | | | | | 1.1 | | 25.0 | |
| Tetrachloroethene | ug/L | 21.720 | 21.740 | 20.000 | 1.000 U | 108.6 | | 70.0-130.0 | |
| | | | | | | 0.1 | | 25.0 | |
| Ethylbenzene | ug/L | 17.170 | 17.320 | 20.000 | 1.000 U | 85.8 | | 70.0-130.0 | |
| | | | | | | 0.9 | | 25.0 | |
| m&p-Xylenes | ug/L | 34.190 | 34.300 | 40.000 | 1.000 U | 85.5 | | 70.0-130.0 | |
| | | | | | | 0.3 | | 25.0 | |
| o-Xylene | ug/L | 16.780 | 16.810 | 20.000 | 1.000 U | 83.9 | | 70.0-130.0 | |
| | | | | | | 0.2 | | 25.0 | |
| 1,3-Dichlorobenzene | ug/L | 18.890 | 18.700 | 20.000 | 1.000 U | 94.5 | | 70.0-130.0 | |
| | | | | | | 1.0 | | 25.0 | |
| 1,4-Dichlorobenzene | ug/L | 19.400 | 19.090 | 20.000 | 1.000 U | 97.0 | | 70.0-130.0 | |
| | | | | | | 1.6 | | 25.0 | |
| 1,2-Dichlorobenzene | ug/L | 19.110 | 18.960 | 20.000 | 1.000 U | 95.5 | | 70.0-130.0 | |
| | | | | | | 0.8 | | 25.0 | |
| Naphthalene | ug/L | 21.900 | 21.590 | 20.000 | 5.000 U | 109.5 | | 70.0-130.0 | |
| | | | | | | 1.4 | | 25.0 | |
| tert-Butyl alcohol (TBA) | ug/L | 110.940 | 117.180 | 200.000 | 50.000 U | 55.5 | | 70.0-130.0 | * |
| | | | | | | 5.5 | | 25.0 | |
| 1,4-Dioxane | ug/L | 260.290 | 279.680 | 200.000 | 50.000 U | 130.1 | | 70.0-130.0 | * |
| | | | | | | 7.2 | | 25.0 | |
| tert-Amyl methyl ether (TAME) | ug/L | 18.590 | 18.610 | 20.000 | 5.000 U | 93.0 | | 70.0-130.0 | |
| | | | | | | 0.1 | | 25.0 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
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NH DES 253903-A

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# QUALITY CONTROL RESULTS

Job Number.: 231351 Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V04EWRK001 | | | 01/05/2006 | 1316 |

Test Method.....: SW846 8260B Analyst...: caox
Method Description.: Volatile Organics Batch.....: 54049

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 26.560 | | 20.000 | 1.000 U | 132.8 | | 70-130 | * |
| 1,1-Dichloroethene | ug/L | 18.470 | | 20.000 | 1.000 U | 92.3 | | 70-130 | |
| Acetone | ug/L | 138.010 | | 200.000 | 50.000 U | 69.0 | | 70-130 | * |
| Methylene chloride | ug/L | 21.750 | | 20.000 | 2.000 U | 108.8 | | 70-130 | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 17.890 | | 20.000 | 1.000 U | 89.5 | | 70-130 | |
| 1,1-Dichloroethane | ug/L | 20.190 | | 20.000 | 1.000 U | 101.0 | | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 20.390 | | 20.000 | 1.000 U | 102.0 | | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 19.330 | | 20.000 | 1.000 U | 96.7 | | 70-130 | |
| Carbon tetrachloride | ug/L | 22.480 | | 20.000 | 1.000 U | 112.4 | | 70-130 | |
| Benzene | ug/L | 20.840 | | 20.000 | 1.000 U | 104.2 | | 70-130 | |
| 1,2-Dichloroethane | ug/L | 17.910 | | 20.000 | 1.000 U | 89.5 | | 70-130 | |
| Trichloroethene (TCE) | ug/L | 23.370 | | 20.000 | 1.000 U | 116.8 | | 70-130 | |
| Toluene | ug/L | 19.870 | | 20.000 | 1.000 U | 99.3 | | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 21.640 | | 20.000 | 1.000 U | 108.2 | | 70-130 | |
| Tetrachloroethene | ug/L | 21.740 | | 20.000 | 1.000 U | 108.7 | | 70-130 | |
| Ethylbenzene | ug/L | 17.320 | | 20.000 | 1.000 U | 86.6 | | 70-130 | |
| m&p-Xylenes | ug/L | 34.300 | | 40.000 | 1.000 U | 85.8 | | 70-130 | |
| o-Xylene | ug/L | 16.810 | | 20.000 | 1.000 U | 84.0 | | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | 18.700 | | 20.000 | 1.000 U | 93.5 | | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 19.090 | | 20.000 | 1.000 U | 95.5 | | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 18.960 | | 20.000 | 1.000 U | 94.8 | | 70-130 | |
| Naphthalene | ug/L | 21.590 | | 20.000 | 5.000 U | 108.0 | | 70-130 | |
| tert-Butyl alcohol (TBA) | ug/L | 117.180 | | 200.000 | 50.000 U | 58.6 | | 70-130 | * |
| 1,4-Dioxane | ug/L | 279.680 | | 200.000 | 50.000 U | 139.8 | | 70-130 | * |
| tert-Amyl methyl ether (TAME) | ug/L | 18.610 | | 20.000 | 5.000 U | 93.0 | | 70-130 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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# QUALITY CONTROL RESULTS

Job Number.: 231351

Report Date.: 01/16/2006

CUSTOMER: Honeywell International | PROJECT: CONDUCTORLAB SITE | ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | | | 01/05/2006 | 1533 |

Test Method.....: SW846 8260B
Method Description.: Volatile Organics

Batch.....: 54049

Analyst...: caox

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 1.000 | U | | | | | | |
| 1,1-Dichloroethene | ug/L | 1.000 | U | | | | | | |
| Acetone | ug/L | 50.000 | U | | | | | | |
| Methylene chloride | ug/L | 2.000 | U | | | | | | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 1.000 | U | | | | | | |
| 1,1-Dichloroethane | ug/L | 1.000 | U | | | | | | |
| cis-1,2-Dichloroethene | ug/L | 1.000 | U | | | | | | |
| 1,1,1-Trichloroethane | ug/L | 1.000 | U | | | | | | |
| Carbon tetrachloride | ug/L | 1.000 | U | | | | | | |
| Benzene | ug/L | 1.000 | U | | | | | | |
| 1,2-Dichloroethane | ug/L | 1.000 | U | | | | | | |
| Trichloroethene (TCE) | ug/L | 1.000 | U | | | | | | |
| Toluene | ug/L | 1.000 | U | | | | | | |
| 1,1,2-Trichloroethane | ug/L | 1.000 | U | | | | | | |
| Tetrachloroethene | ug/L | 1.000 | U | | | | | | |
| Ethylbenzene | ug/L | 1.000 | U | | | | | | |
| m&p-Xylenes | ug/L | 1.000 | U | | | | | | |
| o-Xylene | ug/L | 1.000 | U | | | | | | |
| 1,3-Dichlorobenzene | ug/L | 1.000 | U | | | | | | |
| 1,4-Dichlorobenzene | ug/L | 1.000 | U | | | | | | |
| 1,2-Dichlorobenzene | ug/L | 1.000 | U | | | | | | |
| Naphthalene | ug/L | 5.000 | U | | | | | | |
| tert-Butyl alcohol (TBA) | ug/L | 50.000 | U | | | | | | |
| 1,4-Dioxane | ug/L | 50.000 | U | | | | | | |
| tert-Amyl methyl ether (TAME) | ug/L | 5.000 | U | | | | | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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# QUALITY CONTROL RESULTS

Job Number.: 231351 | Report Date.: 01/16/2006

CUSTOMER: Honeywell International | PROJECT: CONDUCTORLAB SITE | ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCD | Laboratory Control Sample Duplicate | V04EWRK001 | | | 01/09/2006 | 1855 |

Test Method.....: SW846 8260B
Method Description.: Volatile Organics
Batch.....: 54113
Analyst...: caox

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 21.290 | 21.720 | 20.000 | 1.000 U | 106.5<br>2.0 | | 70.0-130.0<br>25.0 | |
| 1,1-Dichloroethene | ug/L | 20.600 | 20.860 | 20.000 | 1.000 U | 103.0<br>1.3 | | 70.0-130.0<br>25.0 | |
| Acetone | ug/L | 151.550 | 149.290 | 200.000 | 50.000 U | 75.8<br>1.5 | | 70.0-130.0<br>25.0 | |
| Methylene chloride | ug/L | 19.350 | 19.510 | 20.000 | 2.000 U | 96.8<br>0.8 | | 70.0-130.0<br>25.0 | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 18.330 | 18.010 | 20.000 | 1.000 U | 91.7<br>1.8 | | 70.0-130.0<br>25.0 | |
| 1,1-Dichloroethane | ug/L | 20.270 | 20.510 | 20.000 | 1.000 U | 101.3<br>1.2 | | 70.0-130.0<br>25.0 | |
| cis-1,2-Dichloroethene | ug/L | 20.080 | 20.180 | 20.000 | 1.000 U | 100.4<br>0.5 | | 70.0-130.0<br>25.0 | |
| 1,1,1-Trichloroethane | ug/L | 21.020 | 20.950 | 20.000 | 1.000 U | 105.1<br>0.3 | | 70.0-130.0<br>25.0 | |
| Carbon tetrachloride | ug/L | 21.580 | 21.450 | 20.000 | 1.000 U | 107.9<br>0.6 | | 70.0-130.0<br>25.0 | |
| Benzene | ug/L | 19.580 | 19.960 | 20.000 | 1.000 U | 97.9<br>1.9 | | 70.0-130.0<br>25.0 | |
| 1,2-Dichloroethane | ug/L | 20.380 | 20.220 | 20.000 | 1.000 U | 101.9<br>0.8 | | 70.0-130.0<br>25.0 | |
| Toluene | ug/L | 19.290 | 19.540 | 20.000 | 1.000 U | 96.5<br>1.3 | | 70.0-130.0<br>25.0 | |
| 1,1,2-Trichloroethane | ug/L | 19.690 | 19.480 | 20.000 | 1.000 U | 98.5<br>1.1 | | 70.0-130.0<br>25.0 | |
| Tetrachloroethene | ug/L | 20.630 | 20.910 | 20.000 | 1.000 U | 103.2<br>1.3 | | 70.0-130.0<br>25.0 | |
| Ethylbenzene | ug/L | 19.730 | 19.950 | 20.000 | 1.000 U | 98.7<br>1.1 | | 70.0-130.0<br>25.0 | |
| m&p-Xylenes | ug/L | 39.970 | 40.410 | 40.000 | 1.000 U | 99.9<br>1.1 | | 70.0-130.0<br>25.0 | |
| o-Xylene | ug/L | 19.720 | 19.880 | 20.000 | 1.000 U | 98.6<br>0.8 | | 70.0-130.0<br>25.0 | |
| 1,3-Dichlorobenzene | ug/L | 20.030 | 20.200 | 20.000 | 1.000 U | 100.2<br>0.8 | | 70.0-130.0<br>25.0 | |
| 1,4-Dichlorobenzene | ug/L | 19.990 | 20.070 | 20.000 | 1.000 U | 100.0<br>0.4 | | 70.0-130.0<br>25.0 | |
| 1,2-Dichlorobenzene | ug/L | 20.010 | 20.060 | 20.000 | 1.000 U | 100.0<br>0.2 | | 70.0-130.0<br>25.0 | |
| Naphthalene | ug/L | 21.330 | 21.310 | 20.000 | 5.000 U | 106.7<br>0.1 | | 70.0-130.0<br>25.0 | |
| tert-Butyl alcohol (TBA) | ug/L | 216.960 | 226.610 | 200.000 | 50.000 U | 108.5<br>4.4 | | 70.0-130.0<br>25.0 | |
| 1,4-Dioxane | ug/L | 245.170 | 245.430 | 200.000 | 50.000 U | 122.6<br>0.1 | | 70.0-130.0<br>25.0 | |
| tert-Amyl methyl ether (TAME) | ug/L | 18.100 | 18.030 | 20.000 | 5.000 U | 90.5<br>0.4 | | 70.0-130.0<br>25.0 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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Fax: (978) 667-7871

# QUALITY CONTROL RESULTS

Job Number.: 231351

Report Date.: 01/16/2006

CUSTOMER: Honeywell International | PROJECT: CONDUCTORLAB SITE | ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| LCS | Laboratory Control Sample | V04EWRK001 | | | 01/09/2006 | 1828 |

Test Method.....: SW846 8260B
Method Description.: Volatile Organics
Batch.....: 54113
Analyst...: caox

| Parameter/Test Description | Units | QC Result | QC Result | True Value | Orig. Value | | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 21.720 | | 20.000 | 1.000 | U | 108.6 | | 70-130 | |
| 1,1-Dichloroethene | ug/L | 20.860 | | 20.000 | 1.000 | U | 104.3 | | 70-130 | |
| Acetone | ug/L | 149.290 | | 200.000 | 50.000 | U | 74.6 | | 70-130 | |
| Methylene chloride | ug/L | 19.510 | | 20.000 | 2.000 | U | 97.5 | | 70-130 | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 18.010 | | 20.000 | 1.000 | U | 90.0 | | 70-130 | |
| 1,1-Dichloroethane | ug/L | 20.510 | | 20.000 | 1.000 | U | 102.5 | | 70-130 | |
| cis-1,2-Dichloroethene | ug/L | 20.180 | | 20.000 | 1.000 | U | 100.9 | | 70-130 | |
| 1,1,1-Trichloroethane | ug/L | 20.950 | | 20.000 | 1.000 | U | 104.8 | | 70-130 | |
| Carbon tetrachloride | ug/L | 21.450 | | 20.000 | 1.000 | U | 107.2 | | 70-130 | |
| Benzene | ug/L | 19.960 | | 20.000 | 1.000 | U | 99.8 | | 70-130 | |
| 1,2-Dichloroethane | ug/L | 20.220 | | 20.000 | 1.000 | U | 101.1 | | 70-130 | |
| Toluene | ug/L | 19.540 | | 20.000 | 1.000 | U | 97.7 | | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 19.480 | | 20.000 | 1.000 | U | 97.4 | | 70-130 | |
| Tetrachloroethene | ug/L | 20.910 | | 20.000 | 1.000 | U | 104.5 | | 70-130 | |
| Ethylbenzene | ug/L | 19.950 | | 20.000 | 1.000 | U | 99.8 | | 70-130 | |
| m&p-Xylenes | ug/L | 40.410 | | 40.000 | 1.000 | U | 101.0 | | 70-130 | |
| o-Xylene | ug/L | 19.880 | | 20.000 | 1.000 | U | 99.4 | | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | 20.200 | | 20.000 | 1.000 | U | 101.0 | | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 20.070 | | 20.000 | 1.000 | U | 100.3 | | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 20.060 | | 20.000 | 1.000 | U | 100.3 | | 70-130 | |
| Naphthalene | ug/L | 21.310 | | 20.000 | 5.000 | U | 106.5 | | 70-130 | |
| tert-Butyl alcohol (TBA) | ug/L | 226.610 | | 200.000 | 50.000 | U | 113.3 | | 70-130 | |
| 1,4-Dioxane | ug/L | 245.430 | | 200.000 | 50.000 | U | 122.7 | | 70-130 | |
| tert-Amyl methyl ether (TAME) | ug/L | 18.030 | | 20.000 | 5.000 | U | 90.2 | | 70-130 | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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NH DES 253903-A

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NELAP NY 10843
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# QUALITY CONTROL RESULTS

Job Number.: 231351 Report Date.: 01/16/2006

CUSTOMER: Honeywell International PROJECT: CONDUCTORLAB SITE ATTN: Robert Jackson

| QC Type | Description | Reag. Code | Lab ID | Dilution Factor | Date | Time |
|---|---|---|---|---|---|---|
| MB | Method Blank | | | | 01/09/2006 | 2112 |

Test Method.....: SW846 8260B Analyst...: caox
Method Description.: Volatile Organics Batch.....: 54113

| Parameter/Test Description | Units | QC Result | | QC Result | True Value | Orig. Value | QC Calc. | * | Limits | F |
|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ug/L | 1.000 | U | | | | | | | |
| 1,1-Dichloroethene | ug/L | 1.000 | U | | | | | | | |
| Acetone | ug/L | 50.000 | U | | | | | | | |
| Methylene chloride | ug/L | 2.000 | U | | | | | | | |
| Methyl-tert-butyl-ether (MTBE) | ug/L | 1.000 | U | | | | | | | |
| 1,1-Dichloroethane | ug/L | 1.000 | U | | | | | | | |
| cis-1,2-Dichloroethene | ug/L | 1.000 | U | | | | | | | |
| 1,1,1-Trichloroethane | ug/L | 1.000 | U | | | | | | | |
| Carbon tetrachloride | ug/L | 1.000 | U | | | | | | | |
| Benzene | ug/L | 1.000 | U | | | | | | | |
| 1,2-Dichloroethane | ug/L | 1.000 | U | | | | | | | |
| Toluene | ug/L | 1.000 | U | | | | | | | |
| 1,1,2-Trichloroethane | ug/L | 1.000 | U | | | | | | | |
| Tetrachloroethene | ug/L | 1.000 | U | | | | | | | |
| Ethylbenzene | ug/L | 1.000 | U | | | | | | | |
| m&p-Xylenes | ug/L | 1.000 | U | | | | | | | |
| o-Xylene | ug/L | 1.000 | U | | | | | | | |
| 1,3-Dichlorobenzene | ug/L | 1.000 | U | | | | | | | |
| 1,4-Dichlorobenzene | ug/L | 1.000 | U | | | | | | | |
| 1,2-Dichlorobenzene | ug/L | 1.000 | U | | | | | | | |
| Naphthalene | ug/L | 5.000 | U | | | | | | | |
| tert-Butyl alcohol (TBA) | ug/L | 50.000 | U | | | | | | | |
| 1,4-Dioxane | ug/L | 50.000 | U | | | | | | | |
| tert-Amyl methyl ether (TAME) | ug/L | 5.000 | U | | | | | | | |



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CTDPH 0494
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# QUALITY CONTROL RESULTS

Job Number.: 231351

Report Date.: 01/16/2006

CUSTOMER: Honeywell International

PROJECT: CONDUCTORLAB SITE

ATTN: Robert Jackson

Test Method.....: LAC 10-210001A
Method Description.: Phenolics, Total Recoverable
Parameter.....: Phenolics, Total Recoverable

Batch.....: 54063

Analyst...: kmm
Test Code.: PHENTR

| QC | Lab ID | Reagent | Units | QC Result | QC Result | True Value | Orig. Value | QC Calc. | F | * | Limits | Date | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MB | | | mg/L | 0.01000 U | | | | | | | | 01/06/2006 | 0000 |
| LCS | | W06AINT002 | mg/L | 0.10260 | | 0.10000 | | 102.6 | | | 85-115 | 01/06/2006 | 0000 |
| LCD | | W06AINT002 | mg/L | 0.11190 | 0.10260 | 0.10000 | | 111.9 | | | 85-115 | 01/06/2006 | 0000 |
| | | | | | | | | 8.7 | | | 20 | | |



* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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ACCREDITED IN ACCORDANCE WITH nelac

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LABORATORY CERTIFICATIONS:

MADEP MA014, NY NELAC 10843, NJ NELAC MA008 (TOX), FL NELAC E87912 (TOX), CT DPH 0494, NY DOH 10843, NH DES 253901-A, VT DECWSD, RI DOH 57.

LOCATION:

STL Westfield: 53 Southampton Rd, Westfield, MA 01085. Phone: (413) 572-4000 Fax: (413) 572-3707

STL Service Center: 148 Rangeway Rd. N. Billerica, MA 01862. Phone: (978) 667-1400 Fax: (978) 667-7871

DATA REPORTING QUALIFIERS AND TERMINOLOGY:

A number of data qualifiers are widely used within the environmental testing industry and may be utilized in our data reports. The majority of the qualifiers have evolved from the EPA Contract Laboratory Program (CLP).

REPORT COMMENTS:

All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Soil, sediment and sludge sample results are reported on a "dry weight" basis.

Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert.ID# 10843.

According to 40CFR Part 136.3, pH, Total Residual Chlorine and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field analyses, they were not analyzed immediately, but as soon as possible on laboratory receipt.

Analytical result(s) reported as "ND" and/or "U", indicates the analyte was analyzed for but "Not Detected."
Analytical result(s) reported as "TNTC" indicates that the microbiological test was "Too Numerous To Count."

GLOSSARY OF QUALIFIERS:

Inorganic Qualifiers (Q-column):

U Indicates that the analyte was analyzed for but not detected.
E Indicates an estimated value due to the presence of interference. When applied to GFAA analysis, indicates the one-point method of addition recovered between 40-85 percent.
B Indicates an estimated result value. The result was measured between the reporting limit and the method detection limit (MDL).
H Indicates the compound/element was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination.

Organic Qualifiers (Q-column):

U Indicates that the compound was analyzed for but not detected.
J Indicates an estimated result value. This qualifier is used when mass spectral data indicated the presence of a compound that meets the identification criteria and the result is less than the specified quantitation limit, but greater than the method detection limit (MDL).
B Indicates that the compound was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination and warns the data user to exercise caution when applying the results to this compound.
D Indicates all compounds identified in an analysis at a secondary dilution factor.
E Indicates that the compound in an analysis has exceeded the instrument linear calibration range.



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GLOSSARY OF TERMS:

Surrogates (Surrogate Standards): An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but are not normally found in environmental samples. For semi-volatiles and pesticides/Arochlors, surrogate compounds are added to every blank, sample, matrix spike, matrix spiked duplicate, matrix spike blank (LCS), and standard. These compounds are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Internal Standard: An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank (LCS), and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Matrix Spike (MS): An aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for matrix interference by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Laboratory Control Sample (LCS): An aliquot of analyte-free reagent water or sand fortifed (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method efficiency.

Blank: An artificial sample of analyte-free water or solvent, designed to monitor the introduction of contaminates into the analytical process.

Method Dectection Limit (MDL): The minimum concentration of an analyte or compound that can be measured and reported with 99% confidence that the result concentration is greater than zero.

Petroleum Hydrocarbon Comments:

The following comments are specific to Diesel Range Organics (DRO), by GC/FID:

Results for DRO are based on chromatographable portions of the petroleum product. The Carbon Range refers to the approximate chromatographic region covered by the specified petroleum product in straight-chain carbon units between C9-C36.

Quantitation is based on the average response factors for a series of hydrocarbons standards. The sample result from the DRO fraction is independent of the target compound assignment.

Samples yielding chromatographic patterns that do not agree with any of the method targets are reported as "unmatched".



SEVERN TRENT STL

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rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 231351 Location.: 57345 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 01/05/2006
Project Number.: 20000365 Project Description.: Conductorlab Site Project Manager.....: bcm
Customer.....: Honeywell International Contact.: Robert Jackson

| Questions ? | (Y/N) | Comments |
|---|---|---|
| Chain-of-Custody Present? | Y | |
| ...If "yes", completed properly? | Y | |
| Custody seal on shipping container? | N | |
| ...If "yes", custody seal intact? | | |
| Custody seals on sample containers? | N | |
| ...If "yes", custody seal intact? | | |
| Samples iced? | Y | |
| Temperature of cooler acceptable? (4 deg C +/- 2). | Y | |
| ...Temperature at receipt_____ | | 5.4C |
| Samples received intact (good condition)? | Y | |
| Volatile samples acceptable? (no headspace) | Y | |
| Is a Trip Blank required? | Y | |
| Was a Trip Blank provided? | Y | |
| Correct containers used? | Y | |
| Adequate sample volume provided? | Y | |
| Samples preserved correctly? | Y | |
| Samples received within holding-time? | Y | |
| Agreement between COC and sample labels? | Y | |
| Comments | | STL Pickup |
| If samples were shipped was there an air bill #?.. | | |
| Sample Custodian Signature/Date | | jld 1/05/06 |

jld 1/5/06

This is Page 1(A)

Job#: 231351

360-971

**STL Westfield**
53 South Hampton Road
Westfield, Massachusetts, 01085
Ph: (413) 572-4000; Fax (413) 572-3707; Contact: Becky Mason

Honeywell

# Chain Of Custody / Analysis Request

AESI Ref: 38450.55525
COC # : 10406
Lab Use Only
Lab Proj #
Lab ID

Privileged & Confidential | N
EDD To: Kerry Tull krtull@mactec.com
Sampler: MACTEC
P O #
Analysis Turnaround Time:
Standard - 14
Rush Charges Authorized for -
2 weeks - Y
1 week - Y
Next Day -

Site Name: Conductorlab Site, EPA - Remediation General Permit
Location of Site: Groton, Massachusetts

PAGE 1 of 1
Job No.3650050037

Client Contact: (name, co., address)
Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Hardcopy Report To: Chris Ricardi (MACTEC) 207.775.5401
Invoice To: Honeywell International, Inc.

What is in the Text File? Mouse over here.

Written and maintained by AESI (Ver 3_7) 02-01-05 renesurgi@aol.com

| Sample Identification | | | | Sample Date | Sample Time | Sample Type | Sample Matrix | Sample Purpose | # of Cont. | Grab/Composite | Field Filtered Sample ? | Preservative: 1 | Preservative: 2 | Preservative: 0 6 0 3 0 0 1 | Lab Sample Numbers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location ID | Start Depth (ft) | End Depth (ft) | Field Sample ID | | | | | | | Units | | SW846/8260B Volatile Organic Compounds (Appendix III List) | Total Phenols (Appendix III) | | |
| | | | | | | | | | | | | ug/L | | | |
| Influent | | | C010406-InfRGP | 1/4/2006 | 10:00 | GW | Water | REG | 5 | grab | N | X | X | | |
| Effluent | | | C010406-EffRGP | 1/4/2006 | 10:40 | GW | Water | REG | 5 | grab | N | X | X | | |
| Trip Blank | | | Trip Blank | 12/30/2005 | 9:30 | TB | Water | TB | 2 | grab | N | X | | | |

1/4/06 WM

1/4/06 WM

Special Instructions: Appendix III Volatile Organic Compounds and Total Phenols

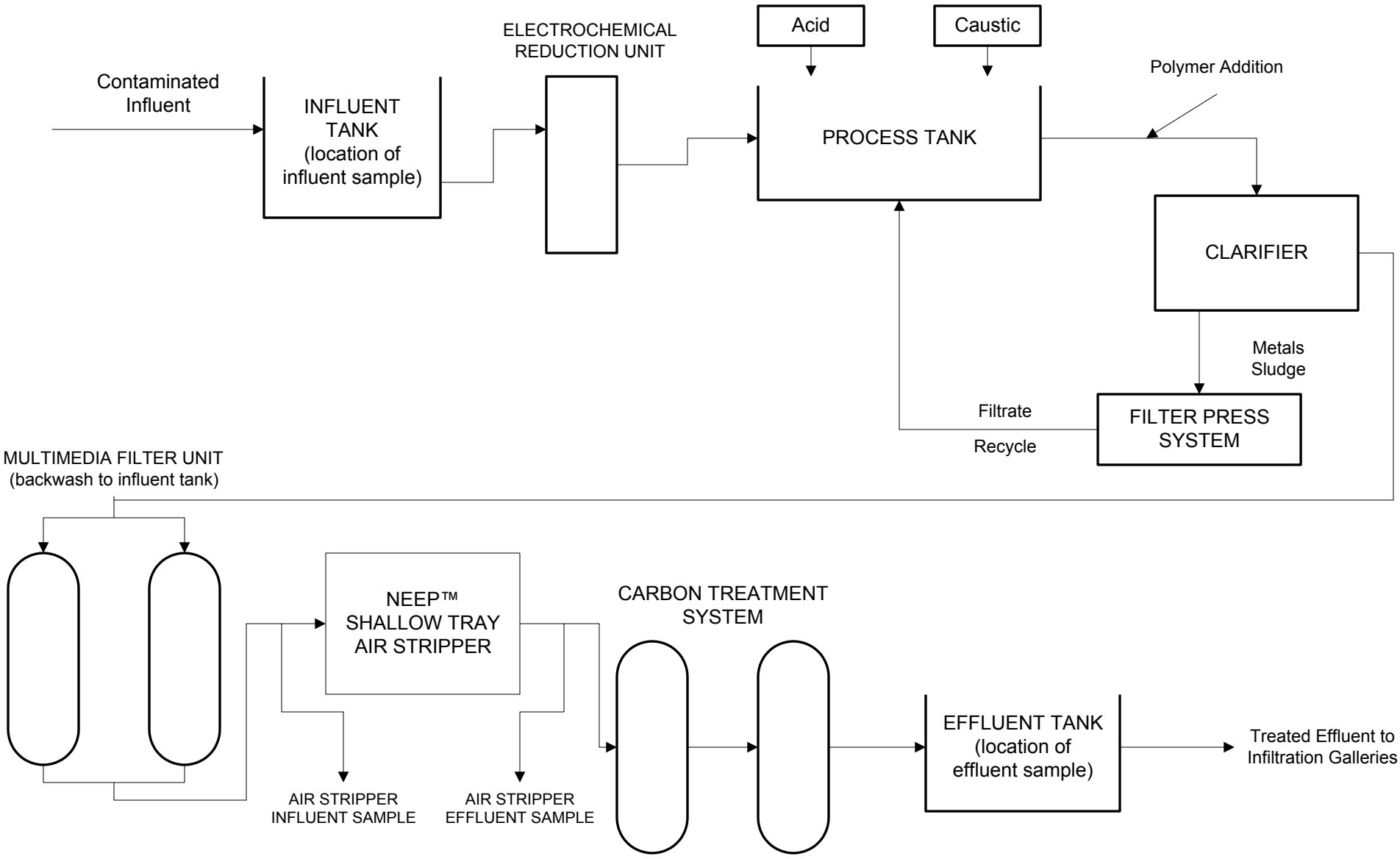
5.4°C @ STL WESTFIELD (w/ ICE/SNOW)

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: Kerry Smith | Company: MACTEC | Received by: Kerry Tull | Company: STL | | Condition | Custody Seals Intact |
| | Date/Time: 1/4/2006 14:40:00 AM | | Date/Time: 1/4/2006 14:40:00 | | Cooler Temp. | |
| Relinquished by: Kerry Tull | Company: | Received by: WM | Company: STL | | Condition | Custody Seals Intact |
| | Date/Time: 1/4/06 1645 | | Date/Time: 1/4/06 1645 | | Cooler Temp. | |

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

# Appendix G
# Groundwater Treatment System Schematic

GROUNDWATER TREATMENT SYSTEM SCHEMATIC
CONDUCTORLAB SITE, GROTON, MA




P:\W2-Mfg\Honewell\ConductorLab\GWTSschm.vsd