



CBS Corporation

Environmental Remediation
11 Stanwix Street
Pittsburgh, PA 15222

January 14, 2008

Martin L. Doster, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

**Re: Monthly Operation and Maintenance Report
NYSDEC Site 9-15-066, Cheektowaga, New York**

Dear Mr. Biel:

On behalf of the Respondents to the Order on Consent and Settlement Agreement (Index No. B9-0381-91-8) (the "Order"), CBS Corporation (CBS) submits this monthly report on the status of operation and maintenance (O&M) activities at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the "Site"). Under an Agreement among the Respondents, CBS is managing the Remedial Program under the Order. This report covers activities during December 2007 and transmits the discharge monitoring report for this reporting period.

1. Site Activities and Status

- A. On December 8, 2007, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for the November 2007 operating period. That status report also transmitted the discharge monitoring data for November 2007.
- B. The recovery and treatment system operated throughout the December 2007 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted O&M on behalf of CBS, and TestAmerica Laboratories, Inc. (TestAmerica) provided analytical laboratory services, as required.

- D. CRA conducted the quarterly groundwater monitoring at well MW-32 and the semi-annual monitoring at the wells located in the central and southern portion of the Site.

2. Sampling Results and Other Site Data

- A. In December 2007, the groundwater system recovered an estimated 268,000 gallons.
- B. Attachment A provides the discharge monitoring report for December 2007 based on effluent sample collected on December 18, 2007, and Attachment B includes the analytical laboratory report for this effluent sample.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
- The flow data are provided via on-site readings and calls into the Autodialer. The maximum daily flow was calculated from these data.
 - The pH data are provided via on-site readings, calls into the Autodialer, and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
 - The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.
- D. For the December 2007 reporting period, the effluent complied with all discharge limitations except for pH. The pH reading taken on December 10, 2007 was 6.48, slightly below the lower discharge limit of 6.5. The remaining six readings for the month, including the analytical laboratory sample result, were within the allowable range of 6.5 to 8.5. The mean of the seven December 2007 pH readings was 7.20.
- E. Table 1 presents the results of influent sampling data, including the most recent influent sample collected on December 18, 2007. Attachment B includes the analytical laboratory report for this influent sample.
- F. Table 2 presents the results of quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most recent sample collected on December 19, 2007.

- G. Table 3 shows the relationship between target volatile organic compound concentrations and the past in situ treatment in Area P. Figure 1 plots these VOC concentrations over time.
- H. Table 4 provides the data from the semi-annual groundwater monitoring of the eight wells located in the central and southern portion of the Site. As has been typical throughout the 7+ years of groundwater monitoring, the groundwater shows no detectable concentrations of the volatile organic compounds for which remedial action objectives (RAOs) were established in the December 1995 Record of Decision. Concentrations of target inorganics were below RAOs, except for cadmium at well MW-31 and lead at wells MW-28 and MW-31.
- I. Attachment C provides the analytical laboratory data report for the groundwater monitoring. This attachment also includes a key to correlate laboratory sample numbers to well numbers.

3. Upcoming Activities

- A. CBS is reevaluating the information gathered to date and plans to resubmitted a revised plan for shutdown of those portions of the groundwater collection system that drain to Sumps 001 and 002.

4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, hardness, and inflow continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection and treatment system and limitation of inflows to those associated with Sump 003.

* * * *

We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:

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Attachments

cc: K. P. Lynch, CRA
K. Minkel, NFTA

TABLES

TABLES

Table 1
Summary of Treatment System
Influent Monitoring Data

| Date of Sampling | Outfall | Constituent Concentration (ug/L) | | | | | | |
|------------------|-------------|----------------------------------|--------------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| 08/21/00 | Composite | 200 U | 200 U | 200 U | 3,100 | 200 U | 1.5 | NA |
| 08/29/00 | Composite | 200 U | 200 U | 200 U | 8,500 | 200 U | 0.7 | NA |
| 09/06/00 | Composite | 200 U | 200 U | 200 U | 4,100 | 200 U | 0.7 U | NA |
| 09/13/00 | Composite | 400 U | 400 U | 400 U | 9,600 | 400 U | 1.6 | NA |
| 09/20/00 | Composite | 54 J | 100 U | 100 U | 2,500 | 100 U | 0.6 U | NA |
| 09/27/00 | Composite | 100 U | 100 U | 100 U | 2,200 | 100 U | 0.68 B | NA |
| 10/04/00 | Composite | 60 J | 100 U | 100 U | 2,500 | 100 U | 0.69 B | NA |
| 10/10/00 | Composite | 23 J | 25 U | 25 U | 430 | 25 U | 0.5 U | NA |
| 03/29/01 | Composite | 9.1 J | 10 U | 1.4 J | 16 | 10 U | 1.5 | 2.47 U |
| 06/26/01 | 001 | 25 | 5 U | 0.9 J | 37 | 5 U | 448 | NA |
| 06/26/01 | 002 | 16 | 5 U | 2.3 J | 280 | 5 U | 3.0 U | NA |
| 06/26/01 | 003 | 510 | 5 U | 4.5 J | 1,700 | 5 U | 3.0 U | NA |
| 09/29/01 | Comp - Perm | 18 | 25 U | 4 J | 8.3 J | 10 U | 0.25 U | 7.4 |
| 09/29/01 | Comp - Temp | 14 J | 25 U | 25 U | 350 | 25 U | 0.25 U | 8.7 |
| 12/21/01 | Composite | 14 | 10 U | 10 U | 130 | 10 U | 1.7 | 4.1 U |
| 03/14/02 | Composite | 18 | 10 U | 10 U | 130 | 10 U | 0.29 | 4.5 |
| 10/15/02 | Composite | 11.3 | 530 | 9.0 | 990 | 16 | 5 U | NA |
| 12/15/02 | Composite | 7.3 | 19 | 0.16 | 46 | 1.3 | 8.4 | 50 U |
| 03/15/03 | Composite | 7.8 | 14 | 1.0 | 29 | NA | 21 | 3 U |
| 06/11/03 | Composite | 11.0 | 130 | 64 | 570 | 25 U | 4.2 | 5.5 |
| 09/09/03 | Composite | 8.6 | 290 | 25 U | 620 | 15 | 3.0 | 3.5 |
| 12/10/03 | Composite | 8.6 | 54 | 25 U | 430 | 25 U | 2.5 | 3.0 |
| 03/12/04 | Composite | 7.7 | 51 | 2 U | 3.9 | 2 U | 1.4 | 1.6 |
| 06/09/04 | Composite | 8.3 | 54 | 40 U | 650 | 40 U | 1.8 | 6.8 |
| 09/13/04 | Composite | 10.3 | 98 | 10 U | 250 | 10 U | 1.8 | 2.2 |
| 12/13/04 | Composite | 140 | 4.4 J | 20 U | 470 | 20 U | 0.81 B | 1.6 B |

Table 1
Summary of Treatment System
Influent Monitoring Data

| Date of Sampling | Outfall | Constituent Concentration (ug/L) | | | | | | |
|------------------|-----------|----------------------------------|---------------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| 03/23/05 | Composite | 46 | 15 U | 15 U | 250 | 15 U | 2.1 B | 1.5 U |
| 06/09/05 | Composite | 100 | 15 U | 15 U | 1,200 | 5.4 J | 1.2 B | 3.0 U |
| 10/03/05 | Composite | 26 | 1 U | 2.0 | 8.6 | 11 | 5.0 U | 3.0 U |
| 12/16/05 | Composite | 34 | 5 U | 5 U | 140 | 3.5 J | 0.68 B | 3.0 U |
| 03/13/06 | Composite | 36 | 10 U | 10 U | 190 | 2.6 J | 0.95 B | 2.0 B |
| 05/09/06 | Composite | 87 | 10 U | 10 U | 710 | 5.6 J | 1.0 B | 3.0 U |
| 06/12/06 | Composite | 72 | 3.3 U | 3.3 U | 190 | 4.0 J | 0.72 B | 3.0 U |
| 09/11/06 | Composite | 16 | 5 U | 5 U | 85 | 5 U | 0.47 B | 2.0 B |
| 12/11/06 | Composite | 14 | 5 U | 5 U | 71 | 1.8 J | 5.0 U | 3.0 U |
| 03/22/07 | Composite | 32 | 5 U | 2.7 J | 130 | 4.6 J | 1.2 B | 3.0 U |
| 06/20/07 | Composite | 31 | 0.45 J | 0.76 J | 210 | 1.7 J | 0.44 B | 3.0 U |
| 09/17/07 | Composite | 89 | 20 U | 20 U | 730 | 7.0 J | 5.0 U | 3.0 U |
| 12/18/07 | Composite | 18 | 2 U | 2 U | 90 | 1.5 J | 5.0 U | 3.0 U |

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Organic data qualifiers:

U - not detected at indicated detection limit

J - estimated concentration below reporting limit but above minimum detection limit.

Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| 05/11/00 | 1,500 | 5 U | 5 U | 3,700 | 540 | 1.0 U | 3.0 U |
| 12/01/00 | 2,200 | 5 U | 5 U | 1,200 | 110 | 1.0 U | 10 U |
| 12/01/00 (Dup) | 2,300 | 10 U | 10 U | 1,900 | 230 J | NA | NA |
| 03/30/01 | 1,600 | 100 U | 100 U | 650 | 340 | 0.41 U | 2.47 U |
| 03/30/01 (Dup) | 1,500 | 100 U | 100 U | 610 | 310 | 0.41 U | 2.47 U |
| 06/21/01 | 2,800 | 250 U | 250 U | 4,100 | 890 | 0.85 U | 1.21 U |
| 06/21/01 (Dup) | 2,700 | 250 U | 250 U | 4,000 | 830 | 0.85 U | 1.21 U |
| 09/13/01 | 4,000 | 250 U | 250 U | 2,900 | 1,000 | 0.70 B | 2.1 U |
| 09/13/01 (Dup) | 4,100 | 250 U | 250 U | 2,800 | 1,100 | 0.83 B | 2.8 U |
| 12/13/01 | 2,300 | 200 U | 200 U | 2,500 | 590 | 0.44 U | 3.7 U |
| 12/31/01 (Dup) | 2,200 | 200 U | 200 U | 2,400 | 560 | 0.44 U | 2.0 U |
| 03/14/02 | 560 | 250 U | 250 U | 730 | 98 | 0.17 U | 2.03 U |
| 03/14/02 (Dup) | 570 | 250 U | 250 U | 710 | 100 | 0.17 U | 2.03 U |
| 07/10/02 | 1,200 | NA | NA | 2,000 | 190 | NA | NA |
| 12/31/02 | 480 | NA | 50 U | 530 | 66 | 0.34 B | 4.9 |
| 12/31/02 (Dup) | 510 | NA | 50 U | 580 | 77 | 0.29 U | 4.7 |
| 03/29/03 | 1,000 | 80 U | 80 U | 740 | 150 | 5.0 U | 3.0 U |
| 06/17/03 | 1,100 | 200 U | 200 U | 2,400 | 130 J | 0.34 B | 4.9 |
| 06/17/03 (Dup) | 1,100 | 100 U | 100 U | 1,700 | 110 | 5.0 U | 3.0 U |
| 09/26/03 | 2,800 | 100 U | 100 U | 8,100 | 310 J | 5.0 U | 3.0 U |
| 12/22/03 | 1,000 | 100 U | 100 U | 1,300 | 97 J | 0.38 U | 1.1 B |
| 03/29/04 | 460 | 10 U | 10 U | 570 | 20 J | 0.37 U | 1.4 U |
| 06/30/04 | 620 | 200 U | 200 U | 1,900 | 200 U | 0.29 U | 1.5 U |
| 09/13/04 | 2,100 | 200 U | 200 U | 2,900 | 130 J | 5.0 U | 1.8 B |
| 12/17/04 | 640 | 10 U | 10 U | 420 | 45 | 5.0 U | 3.0 U |
| 12/17/04 (Dup) | 760 | 50 U | 50 U | 790 | 50 J | 5.0 U | 2.3 B |
| 03/31/05 | 570 | 50 U | 50 U | 680 | 49 J | 5.0 U | 3.0 U |

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| 06/22/05 | 540 | 10 U | 10 U | 810 | 100 | 5.0 U | 3.0 U |
| 06/22/05 (Dup) | 1,100 | 100 U | 100 U | 880 | 140 | 5.0 U | 3.0 U |
| 09/09/05 | 1,400 | 330 U | 330 U | 1,700 | 96 J | 5.0 U | 3.0 U |
| 12/14/05 | 900 | 10 U | 10 U | 700 | 56 | 5.0 U | 3.0 U |
| 12/14/05 (Dup) | 1,200 | 100 U | 100 U | 750 | 68 J | 5.0 U | 3.0 U |
| 03/23/06 | 350 | 30 U | 30 U | 290 | 36 | 5.0 U | 3.0 U |
| 06/13/06 | 410 | 50 U | 50 U | 440 | 13 J | 5.0 U | 3.0 U |
| 06/13/06 (Dup) | 540 | 50 U | 50 U | 880 | 51 | 5.0 U | 3.0 U |
| 09/11/06 | 1,400 | 150 U | 150 U | 2,000 | 85 J | 0.34 B | 4.9 |
| 12/12/06 | 290 | 40 U | 40 U | 67 | 42 J | 5.0 U | 1.2 B |
| 12/12/06 (Dup) | 590 | 50 U | 50 U | 240 | 75 J | 5.0 U | 3.1 |
| 03/27/07 | 380 | 10 U | 10 U | 22 | 36 J | 5.0 U | 2.4 B |
| 06/26/07 | 1,700 | 150 U | 150 U | 23 J | 710 | 5.0 U | 1.5 B |
| 09/17/07 | 2,500 | 150 U | 150 U | 410 | 140 | 5.0 U | 1.5 B |
| 12/19/07 | 1,500 | 150 U | 150 U | 160 | 200 | 0.29 B | 3.0 |
| 12/19/07 (Dup) | 1,500 | 100 U | 100 U | 170 | 200 | 5.0 U | 3.0 U |

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Organic data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration

Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

Table 3
Evaluation of In Situ Oxidation Treatment
Well MW-32, Area P
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Treatment Number | Date of Treatment | Total Target VOC Concentration (ug/L) | | |
|------------------|-------------------|---------------------------------------|--------------------|-------|
| | | Date | Description | Value |
| 1 | 05/31/02 | 03/14/02 | Pre-Treatment | 1,384 |
| | | 07/10/02 | 1st Post-Treatment | 3,390 |
| 2 | 08/28/02 | 07/10/02 | Pre-Treatment | 3,390 |
| | | 12/31/02 | 1st Post-Treatment | 1,122 |
| | | 03/29/03 | 2nd Post-Treatment | 1,890 |
| | | 06/17/03 | 3rd Post-Treatment | 3,270 |
| 3 | 10/27/04 | 09/13/04 | Pre-Treatment | 5,130 |
| | | 12/17/04 | 1st Post-Treatment | 1,353 |
| | | 03/31/05 | 2nd Post-Treatment | 1,299 |
| | | 06/22/05 | 3rd Post-Treatment | 1,785 |
| | | 09/09/05 | 4th Post-Treatment | 3,196 |
| | | 12/14/05 | 5th Post-Treatment | 1,837 |
| | | 03/23/06 | 6th Post-Treatment | 676 |
| | | 06/14/06 | 7th Post-Treatment | 1,167 |
| 4 | 10/26/06 | 09/11/06 | Pre-Treatment | 3,485 |
| | | 12/12/06 | 1st Post-Treatment | 652 |
| | | 03/27/07 | 2nd Post-Treatment | 438 |
| | | 06/26/07 | 3rd Post-Treatment | 2,433 |
| | | 09/17/07 | 4th Post-Treatment | 3,050 |
| | | 12/19/07 | 5th Post-Treatment | 1,860 |

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

| Well Number | Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| MW-2 | 05/04/00 | 5 U | 5 U | 5 U | 5 U | 1.6 J | 1.3 | 3.0 B |
| | 11/30/00 | 5 U | 5 U | 5 U | 5 U | 5 U | 1.0 U | 10 U |
| | 03/29/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.25 U | 0.79 U |
| | 12/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 0.82 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.17 U | 2.03 U |
| | 12/31/02 | NA | 10 U | 10 U | 10 U | 10 U | 0.29 U | 2.0 B |
| | 06/17/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/15/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/17/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 4.1 |
| | 12/15/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.4 B |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 4.3 |
| 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U | |
| 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U | |
| MW-5 | 05/11/00 | 5 U | 5 U | 5 U | 5.0 | 5 U | 0.70 U | 18.0 |
| | 11/30/00 | NA | 5 U | 5 U | 5 U | 5 U | 1.0 U | 10 U |
| | 03/29/01 | 10 U | 10 U | 10 U | 7.1 J | 10 U | 1.1 | 14.3 |
| | 06/21/01 | 10 U | 10 U | 10 U | 4.1 J | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 1.5 J | 10 U | 1.2 | 14.7 |
| | 12/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 1.6 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.29 B | 3.20 U |
| | 12/31/02 | 10 U | NA | 10 U | 10 U | 10 U | 0.57 B | 5.0 |
| | 06/17/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 6.1 |
| | 06/30/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.0 B | 44.5 |
| | 12/17/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.43 B | 17.2 |
| | 06/22/05 | 1 U | 1 U | 1 U | 1.1 J | 1 U | 0.23 B | 35.1 |

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

| Well Number | Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| MW-5 (cont'd) | 12/14/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 9.4 |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 1.8 B |
| | 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| MW-28 | 05/04/00 | 5 U | 5 U | 5 U | 5 U | 5 U | 1.5 | 3.1 B |
| | 03/29/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.25 U | 7.0 |
| | 12/12/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 3 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.17 U | 8.8 |
| | 12/31/02 | 10 U | NA | 10 U | 10 U | 10 U | 0.29 U | 4.7 B |
| | 06/17/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 1.4 B |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/15/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 35.0 |
| | 12/17/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 36.8 |
| | 12/15/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 12.3 |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 36.5 |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 43.1 |
| 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 58.6 | |
| 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.72 B | 64.7 | |
| MW-30 | 05/04/00 | 5 U | 5 U | 5 U | 5 U | 5 U | 3.0 | 11.8 |
| | 11/30/00 | NA | 5 U | 5 U | 5 U | 5 U | 1.0 U | 10 U |
| | 03/29/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.60 B | 2.7 B |
| | 12/13/01 | 10 U | NA | 10 U | 10 U | 10 U | 0.44 U | 1.5 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.59 B | 3.7 |
| | 12/31/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 1.60 B | 9.4 |

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

| Well Number | Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| MW-30 (cont'd) | 06/18/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.47 B | 4.3 |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/15/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 01/05/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.8 B |
| | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 2.4 B | 27.5 |
| | 12/14/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.90 B | 5.9 |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.9 B | 14.7 |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.91 B | 12.1 |
| | 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.7 B | 17.8 |
| | 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.65 B | 15.4 |
| MW-31 | 05/09/00 | 5 U | 5 U | 5 U | 5 U | 5 U | 0.70 U | 3.0 U |
| | 11/30/00 | NA | 5 U | 5 U | 5 U | 5 U | 1.0 U | 10 U |
| | 03/29/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.27 B | 0.79 U |
| | 12/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 2.2 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.55 B | 3.4 |
| | 12/31/02 | 10 U | NA | 10 U | 10 U | 10 U | 0.29 U | 2.9 B |
| | 06/17/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 8.1 |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 13.2 |
| | 06/30/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.38 B | 11.0 |
| | 12/17/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.0 B |
| | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.1 B | 38.2 |
| | 12/15/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.58 B | 3.9 |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.4 B |
| | 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.1 B | 23.1 |
| 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 6.2 | 116 | |

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

| Well Number | Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|---------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| MW-33 | 05/11/00 | NA | 5 U | 1.3 J | 5 U | 5 U | 1.3 | 3.0 U |
| | 12/01/00 | NA | 5 U | 35 | 5 U | 5 U | 1.0 U | 10.0 U |
| | 03/28/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.25 U | 0.79 U |
| | 12/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 0.82 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.17 U | 2.03 U |
| | 12/31/02 | 10 U | NA | 10 U | 10 U | 10 U | 0.29 U | 1.46 U |
| | 06/18/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.2 B | 15.0 |
| | 06/15/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 7.4 |
| | 12/17/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.5 B |
| | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 1.9 B |
| | 12/14/05 | 23 | 1 U | 1 U | 16 | 1.5 J | 5.0 U | 3.0 U |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.7 B |
| 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U | |
| 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.6 B | |
| MW-34 | 05/06/00 | 5 U | 5 U | 10 U | 5 U | 5 U | 1.2 | 3.8 B |
| | 11/30/00 | 5 U | 5 U | 35 U | 5 U | 5 U | 2.1 | 10.0 U |
| | 03/28/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| | 06/21/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.85 U | 1.21 U |
| | 09/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.25 U | 0.79 U |
| | 12/13/01 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 0.82 U |
| | 03/14/02 | 10 U | 10 U | 10 U | 10 U | 10 U | 0.17 U | 2.03 U |
| | 12/31/02 | 10 U | NA | 10 U | 10 U | 10 U | 0.29 U | 2.8 B |
| | 06/18/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/22/03 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.3 B |
| | 06/15/04 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.29 B | 4.1 |
| | 01/05/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

| Well Number | Date of Sampling | Constituent Concentration (ug/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|--------------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 5 | 5 | 25 |
| MW-34 (cont'd) | 06/22/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 5.4 |
| | 12/14/05 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.41 B | 6.5 |
| | 06/13/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.7 B |
| | 12/12/06 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 06/26/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| | 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 4.3 |
| | MW-34D | 05/06/00 | 5 U | 5 U | 5 U | 5 U | 5 U | 1.2 |
| 11/30/00 | | 5 U | 5 U | 5 U | 5 U | 5 U | 1.0 U | 10.0 U |
| 03/28/01 | | 10 U | 10 U | 10 U | 10 U | 10 U | 0.41 U | 2.47 U |
| 06/21/01 | | 10 U | 2.2 J | 10 U | 1.1 J | 10 U | 0.85 U | 1.21 U |
| 09/13/01 | | 10 U | 10 U | 10 U | 10 U | 10 U | 0.25 U | 0.79 U |
| 12/13/01 | | 10 U | 10 U | 10 U | 10 U | 10 U | 0.44 U | 4.0 U |
| 03/14/02 | | 10 U | 10 U | 10 U | 10 U | 10 U | 0.17 U | 2.03 U |
| 12/31/02 | | 10 U | NA | 10 U | 10 U | 10 U | 0.29 U | 2.3 B |
| 06/18/03 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| 12/22/03 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 12.8 |
| 06/15/04 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.9 |
| 01/05/05 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 1.7 B |
| 06/22/05 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 9.8 |
| 12/14/05 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 2.6 B |
| 06/13/06 | | 1 U | 1 U | 1 U | 1 U | 1 U | 1.7 B | 3.0 U |
| 12/12/06 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 7.0 |
| 06/26/07 | | 1 U | 1 U | 1 U | 1 U | 1 U | 0.47 B | 3.0 U |
| 06/26/07 | | 1 U | 1 U | 1 U | 1 U | 1 U | 5.0 U | 3.0 U |
| 12/19/07 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.31 B | 2.4 B | |

See notes on following page.

Table 4
Summary of Groundwater Monitoring Data
Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Concentrations above Remedial Action Objectives are highlighted in yellow.

Organic data qualifiers:

U - not detected at indicated minimum detection limit (MDL)

J - estimated concentration above MDL, but below reporting limit (RL)

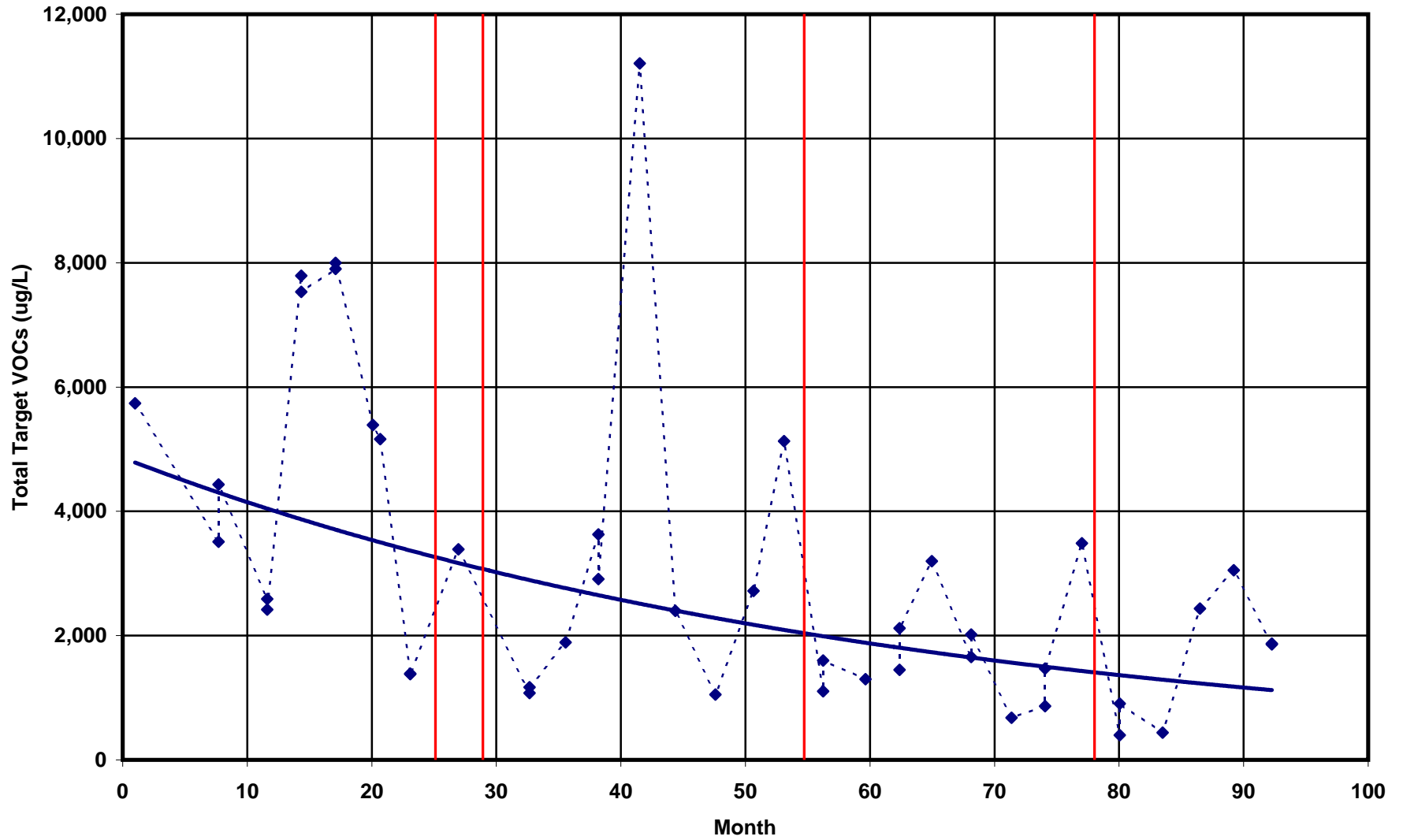
Inorganic data qualifiers:

U - not detected at indicated RL

B - detected concentration above MDL, but below RL.

FIGURE

Figure 1: Total Target VOCs at MW-32



ATTACHMENT A
DISCHARGE MONITORING REPORT
DECEMBER 2007

Discharge Monitoring Data
Outfall 001 - Treated Groundwater Remediation Discharge
NYSDEC Site No. 9-15-006
Cheektowaga, New York

Reporting Month & Year **Dec-07**

| Parameter | | Daily Minimum | Daily Maximum | Units | Daily Maximum (lbs/day) | Measurement Frequency | Sample Type |
|--------------------------|----------------------|---------------|------------------|-------------|-------------------------|-----------------------|--------------|
| Flow | Monitoring Result | | 14,920 | gpd | | Continuous | Meter |
| | Discharge Limitation | | 28,800 | gpd | | Continuous | Meter |
| pH | Monitoring Result | 6.48 | 7.65 | s.u. | | 7 | Grab |
| | Discharge Limitation | 6.5 | 8.5 | s.u. | | Weekly | Grab |
| Total suspended solids | Monitoring Result | | < 4.0 | mg/L | < 0.54 | 1 | Grab |
| | Discharge Limitation | | 20 | mg/L | | Monthly | Grab |
| Toluene | Monitoring Result | | < 1.0 | ug/L | < 0.00013 | 1 | Grab |
| | Discharge Limitation | | 5 | ug/L | | Monthly | Grab |
| Methylene chloride | Monitoring Result | | < 1.0 | ug/L | < 0.00013 | 1 | Grab |
| | Discharge Limitation | | 10 | ug/L | | Monthly | Grab |
| 1,2-dichlorobenzene | Monitoring Result | | < 1.0 | ug/L | < 0.00013 | 1 | Grab |
| | Discharge Limitation | | 5 | ug/L | | Monthly | Grab |
| cis-1,2-dichloroethylene | Monitoring Result | | < 1.0 | ug/L | < 0.00013 | 1 | Grab |
| | Discharge Limitation | | 10 | ug/L | | Monthly | Grab |
| Trichloroethylene | Monitoring Result | | < 1.0 | ug/L | 0.000129 | 1 | Grab |
| | Discharge Limitation | | 10 | ug/L | | Monthly | Grab |
| Tetrachloroethylene | Monitoring Result | | < 1.0 | ug/L | < 0.00013 | 1 | Grab |
| | Discharge Limitation | | 50 | ug/L | | Monthly | Grab |
| Cadmium | Monitoring Result | | < 0.43 | ug/L | < 0.000054 | 1 | Grab |
| | Discharge Limitation | | 3 | ug/L | | Monthly | Grab |
| Chromium | Monitoring Result | | 1.4 | ug/L | 0.00017 | 1 | Grab |
| | Discharge Limitation | | 99 | ug/L | | Monthly | Grab |

ATTACHMENT B
LABORATORY ANALYSIS REPORT
DECEMBER 2007 INFLUENT AND EFFLUENT SAMPLES

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C7L190252

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

January 10, 2008



NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

| Certifying State/Program | Certificate # | Program Types | TestAmerica |
|--------------------------|------------------|----------------------------|-------------|
| US Dept of Agriculture | NA | NAVY | X |
| NFESC | (#P330-07-00101) | Foreign Soil Import Permit | X |
| Arkansas | (#03-022-1) | WW | X |
| California - NELAC | 04224CA | HW | X |
| Connecticut | (#PH-0688) | WW | X |
| Florida - NELAC | (#E87660) | HW | X |
| Illinois - NELAC | (#200005) | WW | X |
| Kansas - NELAC | (#E-10350) | HW | X |
| Louisiana - NELAC | (#93200) | WW | X |
| New Hampshire - NELAC | (#203002) | HW | X |
| New Jersey - NELAC | (PA-005) | WW | X |
| New York - NELAC | (#11182) | HW | X |
| North Carolina | (#434) | WW | X |
| Pennsylvania - NELAC | (#02-00416) | HW | X |
| South Carolina | (#89014001) | WW | X |
| Utah - NELAC | (STLP) | HW | X |
| West Virginia | (#142) | WW | X |
| Wisconsin | 998027800 | HW | X |

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C7L190252

Sample Receiving:

TestAmerica Pittsburgh received one sample on December 19, 2007. The cooler was received within the proper temperature range.

The one liter bottle for sample EFF1207 was marked EFF1007 and the bottles for INF1207 were marked IFF1207.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:

TestAmerica North Canton, OH performed the 624 analysis. The results are included in this report.

Sample INF1207 was analyzed at a dilution for target compounds detected.

Metals:

There were no problems associated with the analysis.

General Chemistry:

pH is a field parameter. Laboratory pH analysis was completed at the request of the client.

METHODS SUMMARY

C7L190252

| <u>PARAMETER</u> | <u>ANALYTICAL METHOD</u> | <u>PREPARATION METHOD</u> |
|---|------------------------------|-------------------------------|
| pH (Electrometric) | SM20 4500-H+B | |
| Purgeables | CFR136A 624 | SW846 5030B |
| Total Suspended Solids SM 2540 D | SM20 2540D | |
| Trace Inductively Coupled Plasma (ICP) Metals | MCAWW 200.7 | MCAWW 200.7 |

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."

SAMPLE SUMMARY





C7L190252

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| KEGA0 | 001 | EFF1207 | | |
| KEGA2 | 002 | INF1207 | 12/18/07 | 10:30 |
| | | | 12/18/07 | 10:30 |

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CHAIN OF CUSTODY RECORD

| | | | | | |
|--|----------|---|------------|--|--|
|  CONESTOGA-ROVERS & ASSOCIATES 2055 Niagara Falls Blvd Niagara Falls, NY 14304 | | SHIPPED TO (Laboratory Name): SFL | | REFERENCE NUMBER: Buffalo Air-port Viacon 018036 | |
| SAMPLER'S SIGNATURE:  | | PRINTED NAME: <u>Charles Bolter</u> | | PARAMETERS Cd Cr Pb TSS Pb Cd Cr Pb | |
| No. of Containers: <u>5</u> | | SAMPLE TYPE: | | | |
| SEQ. No. | DATE | TIME | SAMPLE No. | REMARKS | |
| | 12/18/07 | 1030 | EFF-1207 | | |
| | 12/18/07 | 1030 | IFF-1207 | | |
| TOTAL NUMBER OF CONTAINERS | | | | 10 | |
| RELINQUISHED BY: | | DATE: | | HEALTH/CHEMICAL HAZARDS | |
| ① | | | | RECEIVED BY: <u>AW</u> DATE: <u>12/19/07</u> | |
| RELINQUISHED BY: | | DATE: | | RECEIVED BY: | |
| ② | | | | ② | |
| RELINQUISHED BY: | | DATE: | | RECEIVED BY: | |
| ③ | | | | ③ | |
| METHOD OF SHIPMENT: | | | | | |
| WAY BILL No. _____ | | | | | |
| White Yellow Pink Goldenrod | | SAMPLE TEAM:  | | RECEIVED FOR LABORATORY BY:  | |
| -Fully Executed Copy -Receiving Laboratory Copy -Shipper Copy -Sampler Copy | | | | No CRA 01286 DATE: <u>12/19/07</u> TIME: <u>1030</u> | |

Leo Brausch Consulting

Client Sample ID: EFF1207

GC/MS Volatiles

Lot-Sample #....: C7L190252-001
Date Sampled....: 12/18/07
Prep Date.....: 12/21/07
Prep Batch #....: 7355451
Dilution Factor: 1

Work Order #....: KEGA01AD
Date Received...: 12/19/07
Analysis Date...: 12/21/07
Analysis Time...: 13:51

Matrix.....: WATER
MS Run #.....: 7355249

Method.....: CFR136A 624

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 0.13 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.17 |
| Methylene chloride | ND | 1.0 | ug/L | 0.33 |
| Tetrachloroethene | ND | 1.0 | ug/L | 0.29 |
| Toluene | ND | 1.0 | ug/L | 0.13 |
| Trichloroethene | ND | 1.0 | ug/L | 0.17 |

| <u>SURROGATE</u> | <u>PERCENT</u> <u>RECOVERY</u> | <u>RECOVERY</u> <u>LIMITS</u> |
|-----------------------|-----------------------------------|----------------------------------|
| 1,2-Dichloroethane-d4 | 98 | (80 - 125) |
| Toluene-d8 | 89 | (84 - 110) |
| Bromofluorobenzene | 83 | (81 - 112) |

Leo Brausch Consulting

Client Sample ID: EFF1207

TOTAL Metals

Lot-Sample #...: C7L190252-001

Date Sampled...: 12/18/07

Date Received...: 12/19/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 7354282 | | | | | | |
| Cadmium | ND | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEGA01AA |
| | | Dilution Factor: 1 | | Analysis Time...: 05:16 | MS Run #.....: 7354174 | |
| | | MDL.....: 0.43 | | | | |
| Chromium | 1.4 B | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEGA01AC |
| | | Dilution Factor: 1 | | Analysis Time...: 05:16 | MS Run #.....: 7354174 | |
| | | MDL.....: 0.59 | | | | |

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF1207

General Chemistry

Lot-Sample #...: C7L190252-001
Date Sampled...: 12/18/07

Work Order #...: KEGA0
Date Received...: 12/19/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>RL</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>PREP BATCH #</u> |
|------------------------|---------------|-----------|--------------------|-------------------------|---------------------------------------|-------------------------|
| pH | 7.5 | -- | No Units | SM20 4500-H+B | 12/20/07 | 7354196 |
| | | | Dilution Factor: 1 | Analysis Time...: 12:49 | MS Run #.....: 7354118 | |
| | | | MDL.....: -- | | | |
| Total Suspended Solids | ND | 4.0 | mg/L | SM20 2540D | 12/20/07 | 7354128 |
| | | | Dilution Factor: 1 | Analysis Time...: 00:00 | MS Run #.....: 7354076 | |
| | | | MDL.....: 4.0 | | | |

Leo Brausch Consulting

Client Sample ID: INF1207

GC/MS Volatiles

Lot-Sample #...: C7L190252-002
 Date Sampled...: 12/18/07
 Prep Date.....: 12/21/07
 Prep Batch #...: 7355451
 Dilution Factor: 2

Work Order #...: KEGA21AE
 Date Received...: 12/19/07
 Analysis Date...: 12/21/07
 Analysis Time...: 15:27

Matrix.....: WATER
 MS Run #.....: 7355249

Method.....: CFR136A 624

| PARAMETER | RESULT | REPORTING | | |
|------------------------|--------|-----------|-------|------|
| | | LIMIT | UNITS | MDL |
| 1,2-Dichlorobenzene | ND | 2.0 | ug/L | 0.26 |
| cis-1,2-Dichloroethene | 18 | 2.0 | ug/L | 0.34 |
| Methylene chloride | ND | 2.0 | ug/L | 0.66 |
| Tetrachloroethene | 0.74 J | 2.0 | ug/L | 0.58 |
| Toluene | ND | 2.0 | ug/L | 0.26 |
| 1,1,1-Trichloroethane | ND | 2.0 | ug/L | 0.44 |
| Trichloroethene | 90 | 2.0 | ug/L | 0.34 |
| Vinyl chloride | 1.5 J | 2.0 | ug/L | 0.44 |

| SURROGATE | PERCENT | RECOVERY |
|-----------------------|----------|------------|
| | RECOVERY | LIMITS |
| 1,2-Dichloroethane-d4 | 93 | (80 - 125) |
| Toluene-d8 | 88 | (84 - 110) |
| Bromofluorobenzene | 83 | (81 - 112) |

NOTE(S):

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: INF1207

TOTAL Metals

Lot-Sample #...: C7L190252-002

Date Sampled...: 12/18/07

Date Received...: 12/19/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 7354282 | | | | | | |
| Cadmium | ND | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AA |
| | | Dilution Factor: 1 | | Analysis Time...: 05:33 | MS Run #.....: 7354174 | |
| | | MDL.....: 0.43 | | | | |
| Chromium | 6.7 | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AD |
| | | Dilution Factor: 1 | | Analysis Time...: 05:33 | MS Run #.....: 7354174 | |
| | | MDL.....: 0.59 | | | | |
| Lead | ND | 3.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AC |
| | | Dilution Factor: 1 | | Analysis Time...: 05:33 | MS Run #.....: 7354174 | |
| | | MDL.....: 2.4 | | | | |

Leo Brausch Consulting

Client Sample ID: INF1207

General Chemistry

Lot-Sample #...: C7L190252-002
Date Sampled...: 12/18/07

Work Order #...: KEGA2
Date Received...: 12/19/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>RL</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>PREP BATCH #</u> |
|------------------|---------------|-----------|--------------------|-------------------------|---------------------------------------|-------------------------|
| pH | 9.9 | -- | No Units | SM20 4500-H+B | 12/20/07 | 7354196 |
| | | | Dilution Factor: 1 | Analysis Time...: 12:51 | MS Run #.....: 7354118 | |
| | | | MDL.....: -- | | | |

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C7L190252
 MB Lot-Sample #: A7L210000-451

Work Order #...: KEPMT1AA

Matrix.....: WATER

Analysis Date...: 12/20/07
 Dilution Factor: 1

Prep Date.....: 12/20/07
 Prep Batch #...: 7355451

Analysis Time...: 21:03

| PARAMETER | RESULT | REPORTING | | |
|------------------------|--------|-----------|-------|-------------|
| | | LIMIT | UNITS | METHOD |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | CFR136A 624 |
| Methylene chloride | ND | 1.0 | ug/L | CFR136A 624 |
| Tetrachloroethene | ND | 1.0 | ug/L | CFR136A 624 |
| Toluene | ND | 1.0 | ug/L | CFR136A 624 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | CFR136A 624 |
| Trichloroethene | ND | 1.0 | ug/L | CFR136A 624 |
| Vinyl chloride | ND | 1.0 | ug/L | CFR136A 624 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | CFR136A 624 |

| SURROGATE | PERCENT | RECOVERY |
|-----------------------|----------|------------|
| | RECOVERY | LIMITS |
| 1,2-Dichloroethane-d4 | 93 | (80 - 125) |
| Toluene-d8 | 88 | (84 - 110) |
| Bromofluorobenzene | 87 | (81 - 112) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C7L190252

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|---|---------------|----------------------------|--------------|---------------|---------------------------------------|-------------------------|
| MB Lot-Sample #: C7L200000-282 Prep Batch #...: 7354282 | | | | | | |
| Cadmium | ND | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 05:05 | | | | |
| Chromium | ND | 5.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AD |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 05:05 | | | | |
| Lead | ND | 3.0 | ug/L | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AC |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 05:05 | | | | |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: C7L190252

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>PREP BATCH #</u> |
|---------------------------|---------------|----------------------------|--------------|--------------------------------|---------------------------------------|-------------------------|
| Total Suspended Solids | ND | 4.0 | mg/L | SM20 2540D | 12/20/07 | 7354128 |
| | | Work Order #: KEHVL1AA | | MB Lot-Sample #: C7L200000-128 | | |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 00:00 | | | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7L190252 Work Order #...: KEPMT1AC Matrix.....: WATER
 LCS Lot-Sample#: A7L210000-451
 Prep Date.....: 12/20/07 Analysis Date...: 12/20/07
 Prep Batch #...: 7355451 Analysis Time...: 19:54
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> |
|---------------------------|-------------------------|------------------------|---------------|
| Benzene | 101 | (37 - 151) | CFR136A 624 |
| Bromodichloromethane | 108 | (35 - 155) | CFR136A 624 |
| Bromoform | 102 | (45 - 169) | CFR136A 624 |
| Bromomethane | 67 | (10 - 242) | CFR136A 624 |
| Carbon tetrachloride | 103 | (70 - 140) | CFR136A 624 |
| Chlorobenzene | 98 | (37 - 160) | CFR136A 624 |
| Chloroethane | 80 | (14 - 230) | CFR136A 624 |
| 2-Chloroethyl vinyl ether | 101 | (10 - 305) | CFR136A 624 |
| Chloroform | 106 | (51 - 138) | CFR136A 624 |
| Chloromethane | 79 | (10 - 273) | CFR136A 624 |
| Dibromochloromethane | 107 | (53 - 149) | CFR136A 624 |
| 1,3-Dichlorobenzene | 90 | (59 - 156) | CFR136A 624 |
| 1,4-Dichlorobenzene | 92 | (18 - 190) | CFR136A 624 |
| 1,1-Dichloroethane | 107 | (59 - 155) | CFR136A 624 |
| 1,2-Dichloroethane | 106 | (49 - 155) | CFR136A 624 |
| 1,1-Dichloroethene | 121 | (10 - 234) | CFR136A 624 |
| trans-1,2-Dichloroethene | 106 | (54 - 156) | CFR136A 624 |
| 1,2-Dichloropropane | 100 | (10 - 210) | CFR136A 624 |
| cis-1,3-Dichloropropene | 90 | (10 - 227) | CFR136A 624 |
| trans-1,3-Dichloropropene | 88 | (17 - 183) | CFR136A 624 |
| Ethylbenzene | 98 | (37 - 162) | CFR136A 624 |
| 1,1,2,2-Tetrachloroethane | 92 | (46 - 157) | CFR136A 624 |
| 1,1,2-Trichloroethane | 102 | (52 - 150) | CFR136A 624 |
| Trichlorofluoromethane | 110 | (17 - 181) | CFR136A 624 |
| 1,2-Dichlorobenzene | 93 | (18 - 190) | CFR136A 624 |
| Methylene chloride | 101 | (10 - 221) | CFR136A 624 |
| Tetrachloroethene | 108 | (64 - 148) | CFR136A 624 |
| Toluene | 98 | (47 - 150) | CFR136A 624 |
| 1,1,1-Trichloroethane | 88 | (52 - 162) | CFR136A 624 |
| Trichloroethene | 107 | (71 - 157) | CFR136A 624 |
| Vinyl chloride | 80 | (10 - 251) | CFR136A 624 |

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7L190252

Work Order #...: KEPMT1AC

Matrix.....: WATER

LCS Lot-Sample#: A7L210000-451

SURROGATE

PERCENT
RECOVERY

RECOVERY
LIMITS

1,2-Dichloroethane-d4

92

(80 - 125)

Toluene-d8

91

(84 - 110)

Bromofluorobenzene

95

(81 - 112)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7L190252

Matrix.....: WATER

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|-------------------------|------------------------|---------------|-----------------------------------|---------------------|
| LCS Lot-Sample#: C7L200000-282 Prep Batch #....: 7354282 | | | | | |
| Cadmium | 105 | (85 - 115) | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AE |
| | | Dilution Factor: 1 | | Analysis Time..: 05:10 | |
| Lead | 104 | (85 - 115) | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AF |
| | | Dilution Factor: 1 | | Analysis Time..: 05:10 | |
| Chromium | 104 | (85 - 115) | MCAWW 200.7 | 12/20-01/10/08 | KEJTH1AG |
| | | Dilution Factor: 1 | | Analysis Time..: 05:10 | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: C7L190252

Matrix.....: WATER

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>PREP BATCH #</u> |
|------------------------|-------------------------|---|---------------|-----------------------------------|---------------------|
| pH | 100 | (99 - 101) | SM20 4500-H+B | 12/20/07 | 7354196 |
| | | Work Order #: KEH8E1AA LCS Lot-Sample#: C7L200000-196 | | | |
| | | Dilution Factor: 1 | | Analysis Time...: 12:48 | |
| Total Suspended Solids | 88 | (80 - 120) | SM20 2540D | 12/20/07 | 7354128 |
| | | Work Order #: KEHVL1AC LCS Lot-Sample#: C7L200000-128 | | | |
| | | Dilution Factor: 1 | | Analysis Time...: 00:00 | |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #....: C7L190252 Work Order #....: KEKRK1AC Matrix.....: WATER
 MS Lot-Sample #: A7L200297-001
 Date Sampled....: 12/19/07 Date Received...: 12/20/07
 Prep Date.....: 12/21/07 Analysis Date...: 12/21/07
 Prep Batch #....: 7355451 MS Run #.....: 7355249
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> |
|---------------------------|-------------------------|------------------------|---------------|
| Benzene | 101 | (90 - 114) | CFR136A 624 |
| Bromodichloromethane | 106 | (78 - 123) | CFR136A 624 |
| Bromoform | 99 | (40 - 141) | CFR136A 624 |
| Bromomethane | 72 | (42 - 160) | CFR136A 624 |
| Carbon tetrachloride | 93 | (61 - 129) | CFR136A 624 |
| Chlorobenzene | 91 | (90 - 113) | CFR136A 624 |
| Chloroethane | 84 | (56 - 133) | CFR136A 624 |
| 2-Chloroethyl vinyl ether | 0.0 a | (10 - 185) | CFR136A 624 |
| Chloroform | 107 | (90 - 118) | CFR136A 624 |
| Chloromethane | 79 | (37 - 127) | CFR136A 624 |
| Dibromochloromethane | 101 | (65 - 123) | CFR136A 624 |
| 1,3-Dichlorobenzene | 84 a | (90 - 111) | CFR136A 624 |
| 1,4-Dichlorobenzene | 85 a | (90 - 112) | CFR136A 624 |
| 1,1-Dichloroethane | 108 | (90 - 114) | CFR136A 624 |
| 1,2-Dichloroethane | 110 | (90 - 123) | CFR136A 624 |
| 1,1-Dichloroethene | 116 | (83 - 129) | CFR136A 624 |
| trans-1,2-Dichloroethene | 106 | (85 - 116) | CFR136A 624 |
| 1,2-Dichloropropane | 98 | (87 - 119) | CFR136A 624 |
| cis-1,3-Dichloropropene | 84 | (77 - 115) | CFR136A 624 |
| trans-1,3-Dichloropropene | 80 | (71 - 114) | CFR136A 624 |
| Ethylbenzene | 90 | (88 - 111) | CFR136A 624 |
| 1,1,2,2-Tetrachloroethane | 97 | (77 - 133) | CFR136A 624 |
| 1,1,2-Trichloroethane | 104 | (89 - 123) | CFR136A 624 |
| Trichlorofluoromethane | 101 | (62 - 110) | CFR136A 624 |
| 1,2-Dichlorobenzene | 86 a | (90 - 115) | CFR136A 624 |
| Methylene chloride | 102 | (78 - 131) | CFR136A 624 |
| Tetrachloroethene | 97 | (81 - 112) | CFR136A 624 |
| Toluene | 92 | (87 - 112) | CFR136A 624 |
| 1,1,1-Trichloroethane | 81 a | (82 - 119) | CFR136A 624 |
| Trichloroethene | 102 | (85 - 114) | CFR136A 624 |
| Vinyl chloride | 77 | (50 - 119) | CFR136A 624 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-------------------------|------------------------|
| 1,2-Dichloroethane-d4 | 105 | (80 - 125) |
| Toluene-d8 | 90 | (84 - 110) |
| Bromofluorobenzene | 96 | (81 - 112) |

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C7L190252

Work Order #...: KEKRK1AC

Matrix.....: WATER

MS Lot-Sample #: A7L200297-001

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7L190252

Matrix.....: WATER

Date Sampled...: 12/18/07

Date Received...: 12/19/07

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>RPD</u> | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|---|-------------------------|------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|
| MS Lot-Sample #: C7L190252-002 . Prep Batch #....: 7354282 | | | | | | | |
| Cadmium | 104 | (70 - 130) | | | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AG |
| | 107 | (70 - 130) | 2.9 | (0-20) | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AH |
| Dilution Factor: 1 | | | | | | | |
| Analysis Time...: 05:44 | | | | | | | |
| MS Run #.....: 7354174 | | | | | | | |
| Chromium | 101 | (70 - 130) | | | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AL |
| | 104 | (70 - 130) | 2.8 | (0-20) | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AM |
| Dilution Factor: 1 | | | | | | | |
| Analysis Time...: 05:44 | | | | | | | |
| MS Run #.....: 7354174 | | | | | | | |
| Lead | 103 | (70 - 130) | | | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AJ |
| | 106 | (70 - 130) | 2.7 | (0-20) | MCAWW 200.7 | 12/20-01/10/08 | KEGA21AK |
| Dilution Factor: 1 | | | | | | | |
| Analysis Time...: 05:44 | | | | | | | |
| MS Run #.....: 7354174 | | | | | | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C7L190252

Work Order #...: KEGA6-SMP
KEGA6-DUP

Matrix.....: WATER

Date Sampled...: 12/18/07

Date Received...: 12/19/07

| <u>PARAM</u> | <u>RESULT</u> | <u>DUPLICATE</u> | <u>UNITS</u> | <u>RPD</u> | <u>RPD</u> | <u>METHOD</u> | <u>PREPARATION-</u> | <u>PREP</u> |
|--------------------------------|---------------|------------------|--------------------|------------|--------------|-------------------------|---------------------------|----------------|
| | | <u>RESULT</u> | | | <u>LIMIT</u> | | <u>ANALYSIS DATE</u> | <u>BATCH #</u> |
| Total Suspended Solids | ND | ND | mg/L | 0.0 | (0-20) | SM20 2540D | 12/20/07 | 7354128 |
| | | | Dilution Factor: 1 | | | Analysis Time...: 00:00 | MS Run Number...: 7354076 | |
| SD Lot-Sample #: C7L190253-002 | | | | | | | | |

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C7L190252

Work Order #...: KEGAO-SMP
KEGAO-DUP

Matrix.....: WATER

Date Sampled...: 12/18/07

Date Received...: 12/19/07

| <u>PARAM</u> | <u>RESULT</u> | <u>DUPLICATE</u> <u>RESULT</u> | <u>UNITS</u> | <u>RPD</u> | <u>RPD</u> <u>LIMIT</u> | <u>METHOD</u> | <u>PREPARATION-</u> <u>ANALYSIS DATE</u> | <u>PREP</u> <u>BATCH #</u> |
|--------------|---------------|-----------------------------------|--------------------|------------|----------------------------|-------------------------|---|-------------------------------|
| pH | 7.5 | 7.6 | No Units | 0.13 | (0-2.0) | SM20 4500-H+B | C7L190252-001 12/20/07 | 7354196 |
| | | | Dilution Factor: 1 | | | Analysis Time...: 12:49 | MS Run Number...: 7354118 | |

ATTACHMENT C
LABORATORY ANALYSIS REPORT
DECEMBER 2007 GROUNDWATER MONITORING

Well Sampling Key
December 19, 2007
NYSDEC Site No. 9-15-066

| Sample No. | Well No. |
|-------------------|-----------------|
| WG-18036-1207-007 | MW-2 |
| WG-18036-1207-005 | MW-5 |
| WG-18036-1207-008 | MW-28 |
| WG-18036-1207-003 | MW-30 |
| WG-18036-1207-006 | MW-31 |
| WG-18036-1207-009 | MW-32 |
| WG-18036-1207-010 | MW-32 |
| WG-18036-1207-004 | MW-33 |
| WG-18036-1207-002 | MW-34 |
| WG-18036-1207-001 | MW-34D |

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C7L200184

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

January 9, 2008



NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

| Certifying State/Program | Certificate # | Program Types | TestAmerica |
|--------------------------|------------------|----------------------------|-------------|
| US Dept of Agriculture | NA | NAVY | X |
| Arkansas | (#P330-07-00101) | Foreign Soil Import Permit | X |
| | (#03-022-1) | WW | X |
| California - NELAC | 04224CA | HW | X |
| | | WW | X |
| Connecticut | (#PH-0688) | HW | X |
| | | WW | X |
| Florida - NELAC | (#E87660) | HW | X |
| | | WW | X |
| Illinois - NELAC | (#200005) | HW | X |
| | | WW | X |
| Kansas - NELAC | (#E-10350) | HW | X |
| | | WW | X |
| Louisiana - NELAC | (#93200) | HW | X |
| | | WW | X |
| New Hampshire - NELAC | (#203002) | HW | X |
| | | WW | X |
| New Jersey - NELAC | (PA-005) | HW | X |
| | | WW | X |
| New York - NELAC | (#11182) | HW | X |
| | | WW | X |
| North Carolina | (#434) | HW | X |
| | | WW | X |
| Pennsylvania - NELAC | (#02-00416) | HW | X |
| | | WW | X |
| South Carolina | (#89014001) | HW | X |
| | | WW | X |
| Utah - NELAC | (STLP) | HW | X |
| | | WW | X |
| West Virginia | (#142) | HW | X |
| | | WW | X |
| Wisconsin | 998027800 | HW | X |
| | | WW | X |
| | | HW | X |

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\denubeisn\My Documents\NELAC NARRATIVE Pittsburgh.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C7L200184

Sample Receiving:

TestAmerica Pittsburgh received one sample on December 20, 2007. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:

Sample WG-18036-1207-009 was analyzed at a 5X and 10X dilution due to the concentration of target compounds detected. Both sets of results are reported.

Sample WG-18036-1207-010 was analyzed at a 10X dilution.

Metals:

Sample WG-18036-1207-001 and its duplicate RPD was outside QC limits.

METHODS SUMMARY

C7L200184

| <u>PARAMETER</u> | <u>ANALYTICAL METHOD</u> | <u>PREPARATION METHOD</u> |
|--|---------------------------------|-------------------------------|
| CLP - Volatile Organic Compounds (OLM04.2) Inductively Coupled Plasma | OCLP OLM04.2 ICLP ILM04.0/4. | OCLP OLM04.2 ICLP ILM04.0 |

References:

- ICLP USEPA Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration.
- OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY


C7L200184

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| KEJJL | 001 | WG-18036-1207-001 | | |
| KEJJT | 002 | WG-18036-1207-002 | 12/19/07 | 09:45 |
| KEJJW | 003 | WG-18036-1207-003 | 12/19/07 | 10:15 |
| KEJJO | 004 | WG-18036-1207-004 | 12/19/07 | 11:20 |
| KEJJ4 | 005 | WG-18036-1207-005 | 12/19/07 | 12:15 |
| KEJJ6 | 006 | WG-18036-1207-006 | 12/19/07 | 15:00 |
| KEJJ8 | 007 | WG-18036-1207-007 | 12/19/07 | 15:15 |
| KEJJC | 008 | WG-18036-1207-008 | 12/19/07 | 14:40 |
| KEJKD | 009 | WG-18036-1207-009 | 12/19/07 | 15:30 |
| KEJKE | 010 | WG-18036-1207-010 | 12/19/07 | 16:10 |
| KEJKG | 011 | TB-18036-121907 | 12/19/07 | 17:00 |

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CHAIN OF CUSTODY RECORD

| | | | | | |
|---|----------|--|---|---|-------------------------|
|  CONESTOGA-ROVERS & ASSOCIATES 2055 Niagara Falls Blvd., Suite 3 Niagara Falls, N.Y. 14304 (716) 297-6150 | | SHIPPED TO (Laboratory Name): STL Pittsburgh | | REFERENCE NUMBER: Via.com 18036-521 Semi-Annual Gw Sampling | |
| SAMPLER'S SIGNATURE: <i>David Ryan</i> | | PRINTED NAME: David Ryan | | REMARKS | |
| PARAMETER: CD 76 w/ HPL | | No. of Containers: 42 | | | |
| SEQ. No. | DATE | TIME | SAMPLE No. | SAMPLE TYPE | HEALTH/CHEMICAL HAZARDS |
| | 12/19/07 | 1045 | WG-18036-1207-001 | water | |
| | | 1105 | WG-18036-1207-002 | | |
| | | 1120 | WG-18036-1207-003 | | |
| | | 1215 | WG-18036-1207-004 | | |
| | | 1500 | WG-18036-1207-005 | | |
| | | 1515 | WG-18036-1207-006 | | |
| | | 1440 | WG-18036-1207-007 | | |
| | | 1530 | WG-18036-1207-008 | | |
| | | 1610 | WG-18036-1207-009 | | |
| | | 1700 | WG-18036-1207-010 | | |
| | | | TB-18036-121907 | lab water | |
| | | | TOTAL NUMBER OF CONTAINERS: 42 | | |
| RELINQUISHED BY: <i>David Ryan</i> | | DATE: 12/19/07 | | RECEIVED BY: _____ | |
| | | TIME: 1730 | | DATE: _____ | |
| RELINQUISHED BY: _____ | | DATE: _____ | | RECEIVED BY: _____ | |
| | | TIME: _____ | | DATE: _____ | |
| RELINQUISHED BY: _____ | | DATE: _____ | | RECEIVED BY: _____ | |
| | | TIME: _____ | | DATE: _____ | |
| METHOD OF SHIPMENT: Fed Ex | | | | | |
| White Yellow Pink Goldenrod | | | WAY BILL No. 851325749370 | | |
| -Fully Executed Copy -Receiving Laboratory Copy -Shipper Copy -Sampler Copy | | | RECEIVED FOR LABORATORY BY: <i>[Signature]</i> No N 4218 DATE: 12/20/07 TIME: 10:130 | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-001

GC/MS Volatiles

Lot-Sample #...: C7L200184-001 Work Order #...: KEJL1AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #...: 7362223 Analysis Time...: 09:14
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|-------------------------|------------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | | | | |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | | |
| Toluene-d8 | 96 | (88 - 110) | | |
| Bromofluorobenzene | 90 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 103 | (76 - 114) | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-001

TOTAL Metals

Lot-Sample #...: C7L200184-001
 Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|--------------------------|--------|--------------------|-------|-------------------------|-------------------------------|-----------------|
| Prep Batch #...: 7354618 | | | | | | |
| Cadmium | 0.31 B | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJLLAC |
| | | Dilution Factor: 1 | | Analysis Time...: 19:24 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 2.4 B | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJLLAD |
| | | Dilution Factor: 1 | | Analysis Time...: 19:24 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-002

GC/MS Volatiles

Lot-Sample #...: C7L200184-002 Work Order #...: KEJTT1AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #...: 7362223 Analysis Time...: 09:38
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-------------------------|------------------------|
| Toluene-d8 | 99 | (88 - 110) |
| Bromofluorobenzene | 94 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 106 | (76 - 114) |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-002

TOTAL Metals

Lot-Sample #...: C7L200184-002
Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | <u>METHOD</u> | <u>PREPARATION-</u> | <u>WORK</u> |
|--------------------------|---------------|--------------------|--------------|-------------------------|------------------------|----------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 7354618 | | | | | | |
| Cadmium | ND | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJT1AC |
| | | Dilution Factor: 1 | | Analysis Time...: 19:46 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 4.3 | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJT1AD |
| | | Dilution Factor: 1 | | Analysis Time...: 19:46 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-003

GC/MS Volatiles

Lot-Sample #...: C7L200184-003 Work Order #...: KEJJW1AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #...: 7362223 Analysis Time...: 12:38
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|-------------------------|------------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | | | | |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | | |
| Toluene-d8 | 100 | (88 - 110) | | |
| Bromofluorobenzene | 106 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 110 | (76 - 114) | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-003

TOTAL Metals

Lot-Sample #...: C7L200184-003
Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 7354618 | | | | | | |
| Cadmium | 0.65 B | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJWLAC |
| | | Dilution Factor: 1 | | Analysis Time...: 19:52 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 15.4 | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJWLAD |
| | | Dilution Factor: 1 | | Analysis Time...: 19:52 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

NOTE(S) :

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-004

GC/MS Volatiles

Lot-Sample #...: C7L200184-004 Work Order #...: KEJJ01AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #...: 7362223 Analysis Time...: 12:14
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-------------------------|------------------------|
| Toluene-d8 | 100 | (88 - 110) |
| Bromofluorobenzene | 91 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 109 | (76 - 114) |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-004

TOTAL Metals

Lot-Sample #...: C7L200184-004
Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|---------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #....: 7354618 | | | | | | |
| Cadmium | ND | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ01AC |
| | | Dilution Factor: 1 | | Analysis Time...: 18:51 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 2.6 B | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ01AD |
| | | Dilution Factor: 1 | | Analysis Time...: 18:51 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

NOTE(S) :

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-005

GC/MS Volatiles

Lot-Sample #....: C7L200184-005 Work Order #....: KEJJ41AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7361255
 Prep Date.....: 12/27/07 Analysis Date...: 12/27/07
 Prep Batch #....: 7361398 Analysis Time...: 21:06
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|-------------------------|------------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | | | | |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | | |
| Toluene-d8 | 94 | (88 - 110) | | |
| Bromofluorobenzene | 98 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 104 | (76 - 114) | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-005

TOTAL Metals

Lot-Sample #....: C7L200184-005

Date Sampled....: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|---------------------------|--------|--------------------|-------|-------------------------|-------------------------------|-----------------|
| Prep Batch #....: 7354618 | | | | | | |
| Cadmium | ND | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ41AC |
| | | Dilution Factor: 1 | | Analysis Time...: 18:57 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | ND | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ41AD |
| | | Dilution Factor: 1 | | Analysis Time...: 18:57 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-006

GC/MS Volatiles

Lot-Sample #....: C7L200184-006 Work Order #....: KEJJ61AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 13:02
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|-------------------------|------------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | | | | |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | | |
| Toluene-d8 | 101 | (88 - 110) | | |
| Bromofluorobenzene | 105 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 108 | (76 - 114) | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-006

TOTAL Metals

Lot-Sample #...: C7L200184-006

Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 7354618 | | | | | | |
| Cadmium | 6.2 | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ61AC |
| | | Dilution Factor: 1 | | Analysis Time...: 19:02 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 116 | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ61AD |
| | | Dilution Factor: 1 | | Analysis Time...: 19:02 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-007

GC/MS Volatiles

Lot-Sample #....: C7L200184-007 Work Order #....: KEJJ81AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7361255
 Prep Date.....: 12/27/07 Analysis Date...: 12/27/07
 Prep Batch #....: 7361398 Analysis Time...: 21:53
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| PARAMETER | RESULT | REPORTING | | |
|------------------------|-----------------|---------------|-------|-----|
| | | LIMIT | UNITS | MDL |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | PERCENT | RECOVERY | | |
| <u>SURROGATE</u> | <u>RECOVERY</u> | <u>LIMITS</u> | | |
| Toluene-d8 | 94 | (88 - 110) | | |
| Bromofluorobenzene | 95 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 100 | (76 - 114) | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-007

TOTAL Metals

Lot-Sample #...: C7L200184-007
 Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| PARAMETER | RESULT | REPORTING | | | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|---------------------------|--------|--------------------|-------|--|-------------------------|-------------------------------|-----------------|
| | | LIMIT | UNITS | | | | |
| Prep Batch #....: 7354618 | | | | | | | |
| Cadmium | ND | 5 | ug/L | | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ81AC |
| | | Dilution Factor: 1 | | | Analysis Time...: 19:08 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | | |
| Lead | ND | 3 | ug/L | | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJ81AD |
| | | Dilution Factor: 1 | | | Analysis Time...: 19:08 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-008

GC/MS Volatiles

Lot-Sample #...: C7L200184-008 Work Order #...: KEJKC1AA Matrix.....: WATER
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #...: 7362223 Analysis Time...: 13:25
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-------------------------|------------------------|
| Toluene-d8 | 100 | (88 - 110) |
| Bromofluorobenzene | 112 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 110 | (76 - 114) |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-008

TOTAL Metals

Lot-Sample #...: C7L200184-008
 Date Sampled...: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|--------------------------|--------|--------------------|-------|-------------------------|-------------------------------|-----------------|
| Prep Batch #...: 7354618 | | | | | | |
| Cadmium | 0.72 B | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKC1AC |
| | | Dilution Factor: 1 | | Analysis Time...: 19:57 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 64.7 | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKC1AD |
| | | Dilution Factor: 1 | | Analysis Time...: 19:57 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

NOTE(S) :

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-009

GC/MS Volatiles

Lot-Sample #....: C7L200184-009 Work Order #....: KEJKD1AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 13:49
 Dilution Factor: 5
 Method.....: OCLP OLM04.2

| PARAMETER | RESULT | REPORTING | | |
|------------------------|--------|-----------|-------|-----|
| | | LIMIT | UNITS | MDL |
| Toluene | ND | 50 | ug/L | 5.0 |
| cis-1,2-Dichloroethene | 1600 E | 50 | ug/L | 5.0 |
| 1,1,1-Trichloroethane | ND | 50 | ug/L | 5.0 |
| Trichloroethene | 160 | 50 | ug/L | 5.0 |
| Vinyl chloride | 200 | 50 | ug/L | 5.0 |

| SURROGATE | PERCENT | RECOVERY |
|-----------------------|----------|------------|
| | RECOVERY | LIMITS |
| Toluene-d8 | 100 | (88 - 110) |
| Bromofluorobenzene | 111 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 107 | (76 - 114) |

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-009

GC/MS Volatiles

Lot-Sample #....: C7L200184-009 Work Order #....: KEJKD2AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 15:58
 Dilution Factor: 10
 Method.....: OCLP OLM04.2

| PARAMETER | RESULT | REPORTING | | |
|------------------------|----------|-----------|------------|-----|
| | | LIMIT | UNITS | MDL |
| Toluene | ND | 100 | ug/L | 10 |
| cis-1,2-Dichloroethene | 1500 | 100 | ug/L | 10 |
| 1,1,1-Trichloroethane | ND | 100 | ug/L | 10 |
| Trichloroethene | 160 | 100 | ug/L | 10 |
| Vinyl chloride | 200 | 100 | ug/L | 10 |
| SURROGATE | | PERCENT | RECOVERY | |
| | RECOVERY | | LIMITS | |
| Toluene-d8 | 96 | | (88 - 110) | |
| Bromofluorobenzene | 87 | | (86 - 115) | |
| 1,2-Dichloroethane-d4 | 102 | | (76 - 114) | |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-009

TOTAL Metals

Lot-Sample #....: C7L200184-009
Date Sampled....: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | <u>METHOD</u> | <u>PREPARATION-</u> | <u>WORK</u> |
|---------------------------|---------------|--------------------|--------------|-------------------------|------------------------|----------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #....: 7354618 | | | | | | |
| Cadmium | 0.29 B | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKD1AC |
| | | Dilution Factor: 1 | | Analysis Time...: 20:30 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | 3.0 B | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKD1AD |
| | | Dilution Factor: 1 | | Analysis Time...: 20:30 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-010

GC/MS Volatiles

Lot-Sample #....: C7L200184-010 Work Order #....: KEJKE1AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 16:22
 Dilution Factor: 10
 Method.....: OCLP OLM04.2

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
| Toluene | ND | 100 | ug/L | 10 |
| cis-1,2-Dichloroethene | 1500 | 100 | ug/L | 10 |
| 1,1,1-Trichloroethane | ND | 100 | ug/L | 10 |
| Trichloroethene | 170 | 100 | ug/L | 10 |
| Vinyl chloride | 200 | 100 | ug/L | 10 |

| <u>SURROGATE</u> | <u>PERCENT</u> | <u>RECOVERY</u> |
|-----------------------|-----------------|-----------------|
| | <u>RECOVERY</u> | <u>LIMITS</u> |
| Toluene-d8 | 93 | (88 - 110) |
| Bromofluorobenzene | 90 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 106 | (76 - 114) |

Leo Brausch Consulting

Client Sample ID: WG-18036-1207-010

TOTAL Metals

Lot-Sample #....: C7L200184-010

Date Sampled....: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|---------------------------|--------|--------------------|-------|-------------------------|-------------------------------|-----------------|
| Prep Batch #....: 7354618 | | | | | | |
| Cadmium | ND | 5 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKE1AC |
| | | Dilution Factor: 1 | | Analysis Time...: 20:36 | MS Run #.....: 7354346 | |
| | | MDL.....: 0.28 | | | | |
| Lead | ND | 3 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJKE1AD |
| | | Dilution Factor: 1 | | Analysis Time...: 20:36 | MS Run #.....: 7354346 | |
| | | MDL.....: 1.1 | | | | |

Leo Brausch Consulting

Client Sample ID: TB-18036-121907

GC/MS Volatiles

Lot-Sample #....: C7L200184-011 Work Order #....: KEJKG1AA Matrix.....: WATER
 Date Sampled....: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7362134
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 17:58
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

| PARAMETER | RESULT | REPORTING | | |
|------------------------|------------------|-----------------|-------|-----|
| | | LIMIT | UNITS | MDL |
| Toluene | ND | 10 | ug/L | 1.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 1.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 1.0 |
| Trichloroethene | ND | 10 | ug/L | 1.0 |
| Vinyl chloride | ND | 10 | ug/L | 1.0 |
| | | | | |
| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS | | |
| Toluene-d8 | 97 | (88 - 110) | | |
| Bromofluorobenzene | 86 | (86 - 115) | | |
| 1,2-Dichloroethane-d4 | 102 | (76 - 114) | | |

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: C7L200184
 MB Lot-Sample #: C7L270000-398

Work Order #....: KEVVV1AA

Matrix.....: WATER

Analysis Date...: 12/27/07
 Dilution Factor: 1

Prep Date.....: 12/27/07
 Prep Batch #....: 7361398

Analysis Time...: 15:18

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|---------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> |
| Toluene | ND | 10 | ug/L | OCLP OLM04.2 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | OCLP OLM04.2 |
| Trichloroethene | ND | 10 | ug/L | OCLP OLM04.2 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | OCLP OLM04.2 |
| Vinyl chloride | ND | 10 | ug/L | OCLP OLM04.2 |

| <u>SURROGATE</u> | <u>PERCENT</u> | <u>RECOVERY</u> |
|-----------------------|-----------------|-----------------|
| | <u>RECOVERY</u> | <u>LIMITS</u> |
| Toluene-d8 | 98 | (88 - 110) |
| Bromofluorobenzene | 102 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 103 | (76 - 114) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: C7L200184
MB Lot-Sample #: C7L280000-223

Work Order #....: KEWMH1AA

Matrix.....: WATER

Analysis Date...: 12/28/07
Dilution Factor: 1

Prep Date.....: 12/28/07
Prep Batch #....: 7362223

Analysis Time...: 08:50

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | | |
|------------------------|---------------|------------------|--------------|---------------|
| | | <u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | OCLP OLM04.2 |
| Toluene | ND | 10 | ug/L | OCLP OLM04.2 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | OCLP OLM04.2 |
| Trichloroethene | ND | 10 | ug/L | OCLP OLM04.2 |
| Vinyl chloride | ND | 10 | ug/L | OCLP OLM04.2 |

| <u>SURROGATE</u> | <u>PERCENT</u> | <u>RECOVERY</u> |
|-----------------------|-----------------|-----------------|
| | <u>RECOVERY</u> | <u>LIMITS</u> |
| Toluene-d8 | 91 | (88 - 110) |
| Bromofluorobenzene | 89 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 95 | (76 - 114) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C7L200184

Matrix.....: WATER

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|---------------|----------------------------|--------------|------------------|---------------------------------------|-------------------------|
| MB Lot-Sample #: C7L200000-618 Prep Batch #....: 7354618 | | | | | | |
| Cadmium | ND | 5.0 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KELGM1AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 18:40 | | | | |
| Lead | ND | 3.0 | ug/L | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KELGM1AC |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time...: 18:40 | | | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7L200184 Work Order #...: KEVVV1AC Matrix.....: WATER
 LCS Lot-Sample#: C7L270000-398
 Prep Date.....: 12/27/07 Analysis Date...: 12/27/07
 Prep Batch #...: 7361398 Analysis Time...: 17:56
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> |
|--------------------|-----------------------------|----------------------------|---------------|
| Trichloroethene | 84 | (71 - 120) | OCLP OLM04.2 |
| Toluene | 86 | (76 - 125) | OCLP OLM04.2 |
| 1,1-Dichloroethene | 82 | (61 - 145) | OCLP OLM04.2 |
| Benzene | 87 | (76 - 127) | OCLP OLM04.2 |
| Chlorobenzene | 86 | (75 - 130) | OCLP OLM04.2 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-----------------------------|----------------------------|
| Toluene-d8 | 93 | (88 - 110) |
| Bromofluorobenzene | 94 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 101 | (76 - 114) |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: C7L200184 Work Order #....: KEWMH1AC Matrix.....: WATER
 LCS Lot-Sample#: C7L280000-223
 Prep Date.....: 12/28/07 Analysis Date...: 12/28/07
 Prep Batch #....: 7362223 Analysis Time...: 10:06
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> |
|--------------------|-------------------------|------------------------|---------------|
| Trichloroethene | 91 | (71 - 120) | OCLP OLM04.2 |
| Toluene | 91 | (76 - 125) | OCLP OLM04.2 |
| 1,1-Dichloroethene | 99 | (61 - 145) | OCLP OLM04.2 |
| Benzene | 91 | (76 - 127) | OCLP OLM04.2 |
| Chlorobenzene | 91 | (75 - 130) | OCLP OLM04.2 |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-------------------------|------------------------|
| Toluene-d8 | 95 | (88 - 110) |
| Bromofluorobenzene | 92 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 101 | (76 - 114) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C7L200184

Matrix.....: WATER

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|-------------------------|------------------------|------------------|-----------------------------------|---------------------|
| LCS Lot-Sample#: C7L200000-618 Prep Batch #... : 7354618 | | | | | |
| Cadmium | 100 | (80 - 120) | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KELGM1AD |
| | | Dilution Factor: 1 | | Analysis Time...: 18:46 | |
| Lead | 99 | (80 - 120) | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KELGM1AE |
| | | Dilution Factor: 1 | | Analysis Time...: 18:46 | |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7L200184 Work Order #...: KEKPV1AJ-MS Matrix.....: WATER
 MS Lot-Sample #: A7L200291-002 KEKPV1AK-MSD
 Date Sampled...: 12/19/07 Date Received...: 12/20/07 MS Run #.....: 7361255
 Prep Date.....: 12/27/07 Analysis Date...: 12/27/07
 Prep Batch #...: 7361398 Analysis Time...: 16:21
 Dilution Factor: 1

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|--------------------|------------------|-----------------|------|------------|--------------|
| Trichloroethene | 82 | (71 - 120) | | | OCLP OLM04.2 |
| | 81 | (71 - 120) | 0.27 | (0-14) | OCLP OLM04.2 |
| Toluene | 83 | (76 - 125) | | | OCLP OLM04.2 |
| | 84 | (76 - 125) | 0.72 | (0-13) | OCLP OLM04.2 |
| 1,1-Dichloroethene | 80 | (61 - 145) | | | OCLP OLM04.2 |
| | 80 | (61 - 145) | 0.15 | (0-14) | OCLP OLM04.2 |
| Benzene | 82 | (76 - 127) | | | OCLP OLM04.2 |
| | 83 | (76 - 127) | 0.62 | (0-11) | OCLP OLM04.2 |
| Chlorobenzene | 81 | (75 - 130) | | | OCLP OLM04.2 |
| | 81 | (75 - 130) | 0.89 | (0-13) | OCLP OLM04.2 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|-----------------------|------------------|-----------------|
| Toluene-d8 | 93 | (88 - 110) |
| | 94 | (88 - 110) |
| Bromofluorobenzene | 94 | (86 - 115) |
| | 95 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 98 | (76 - 114) |
| | 97 | (76 - 114) |

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: C7L200184
 MS Lot-Sample #: C7L200184-003
 Date Sampled....: 12/19/07
 Prep Date.....: 12/28/07
 Prep Batch #....: 7362223
 Dilution Factor: 1

Work Order #....: KEJJW1AE-MS
 KEJJW1AF-MSD
 Date Received...: 12/20/07
 Analysis Date...: 12/28/07
 Analysis Time...: 10:30

Matrix.....: WATER
 MS Run #.....: 7362134

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|--------------------|------------------|-----------------|-----|------------|--------------|
| Trichloroethene | 96 | (71 - 120) | | | OCLP OLM04.2 |
| | 98 | (71 - 120) | 1.7 | (0-14) | OCLP OLM04.2 |
| Toluene | 96 | (76 - 125) | | | OCLP OLM04.2 |
| | 98 | (76 - 125) | 1.4 | (0-13) | OCLP OLM04.2 |
| 1,1-Dichloroethene | 94 | (61 - 145) | | | OCLP OLM04.2 |
| | 102 | (61 - 145) | 8.1 | (0-14) | OCLP OLM04.2 |
| Benzene | 97 | (76 - 127) | | | OCLP OLM04.2 |
| | 99 | (76 - 127) | 1.4 | (0-11) | OCLP OLM04.2 |
| Chlorobenzene | 97 | (75 - 130) | | | OCLP OLM04.2 |
| | 98 | (75 - 130) | 1.9 | (0-13) | OCLP OLM04.2 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|-----------------------|------------------|-----------------|
| Toluene-d8 | 99 | (88 - 110) |
| | 97 | (88 - 110) |
| Bromofluorobenzene | 93 | (86 - 115) |
| | 94 | (86 - 115) |
| 1,2-Dichloroethane-d4 | 105 | (76 - 114) |
| | 104 | (76 - 114) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7L200184
 Date Sampled....: 12/19/07

Date Received...: 12/20/07

Matrix.....: WATER

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|---|-------------------------|------------------------|------------------------|-----------------------------------|---------------------|
| MS Lot-Sample #: C7L200184-001 Prep Batch #....: 7354618 | | | | | |
| Cadmium | 98 | (75 - 125) | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJL1AE |
| | | | Dilution Factor: 1 | Analysis Time...: 19:24 | |
| | | | MS Run #.....: 7354346 | | |
| Lead | 97 | (75 - 125) | ICLP ILM04.0/4.1 | 12/20-01/08/08 | KEJJL1AF |
| | | | Dilution Factor: 1 | Analysis Time...: 19:24 | |
| | | | MS Run #.....: 7354346 | | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: C7L200184

Work Order #...: KEJL-SMP
KEJL-DUP

Matrix.....: WATER

Date Sampled...: 12/19/07

Date Received...: 12/20/07

| <u>PARAM</u> | <u>RESULT</u> | <u>DUPLICATE</u> <u>RESULT</u> | <u>UNITS</u> | <u>RPD</u> | <u>RPD</u> <u>LIMIT</u> | <u>METHOD</u> | <u>PREPARATION-</u> <u>ANALYSIS DATE</u> | <u>PREP</u> <u>BATCH #</u> |
|--------------|---------------|-----------------------------------|--------------------|------------|----------------------------|--|---|-------------------------------|
| Cadmium | 0.31 B | ND | ug/L | 200 | (0-20) | SD Lot-Sample #: C7L200184-001 ICLP ILM04.0/4.1 | 12/20-01/08/08 | 7354618 |
| | | | Dilution Factor: 1 | | | Analysis Time...: 19:24 | MS Run Number...: 7354346 | |
| Lead | 2.4 B | 2.4 B | ug/L | 0.0 | (0-20) | SD Lot-Sample #: C7L200184-001 ICLP ILM04.0/4.1 | 12/20-01/08/08 | 7354618 |
| | | | Dilution Factor: 1 | | | Analysis Time...: 19:24 | MS Run Number...: 7354346 | |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.