



**CBS Corporation**

Environmental Remediation  
11 Stanwix Street  
Pittsburgh, PA 15222

July 13, 2007

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. Doster:

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 defined in the Order. This report covers activities during the period of June 1 through June 30, 2007 and transmits the discharge monitoring report for this period.

**1. Site Activities and Status**

- A. On June 8, 2007, CBS submitted to NYSDEC a monthly report on the status of both routine and non-routine O&M activities at the Site for the May 2007 operating period. That status report also transmitted the discharge monitoring data for May 2007.
- B. The recovery and treatment system operated throughout the June 2007 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M on behalf of CBS, and Severn Trent Laboratories, Inc. (STL) provided analytical laboratory services, as required.
- D. CRA conducted the quarterly groundwater monitoring at well MW-32.

## **2. Sampling Results and Other Site Data**

- A. In June 2007, the groundwater system recovered and treated an estimated 135,000 gallons.<sup>1</sup>
- B. Attachment A provides the discharge monitoring report for June 2007 based on effluent sample collected on June 20, 2007. Attachment B includes the analytical laboratory report for the effluent sample collected on June 20, 2007.
- 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. 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 June 2007 reporting period, the effluent complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling data, including the most recent influent sample collected on June 20, 2007. Attachment B includes the analytical laboratory report for this influent sample.

## **3. Upcoming Activities**

- A. Under separate cover, CBS is submitting a revised termination schedule based on the initial shutdown of the 002 system followed by the shutdown of the 001 system. CBS will implement this termination upon NYSDEC concurrence. In the meantime, CBS will continue O&M activities, as needed.

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<sup>1</sup> Based on additional data and recalculation, the total monthly discharge for May 2007 was adjusted from approximately 168,000 to 170,000 gallons.

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#### 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:  
Attachments

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

## **TABLE**

**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	<b>3,100</b>	200 U	<b>1.5</b>	NA
08/29/00	Composite	200 U	200 U	200 U	<b>8,500</b>	200 U	<b>0.7</b>	NA
09/06/00	Composite	200 U	200 U	200 U	<b>4,100</b>	200 U	0.7 U	NA
09/13/00	Composite	400 U	400 U	400 U	<b>9,600</b>	400 U	<b>1.6</b>	NA
09/20/00	Composite	<b>54 J</b>	100 U	100 U	<b>2,500</b>	100 U	0.6 U	NA
09/27/00	Composite	100 U	100 U	100 U	<b>2,200</b>	100 U	<b>0.68 B</b>	NA
10/04/00	Composite	<b>60 J</b>	100 U	100 U	<b>2,500</b>	100 U	<b>0.69 B</b>	NA
10/10/00	Composite	<b>23 J</b>	25 U	25 U	<b>430</b>	25 U	0.5 U	NA
03/29/01	Composite	<b>9.1 J</b>	10 U	<b>1.4 J</b>	<b>16</b>	10 U	<b>1.5</b>	2.47 U
06/26/01	001	<b>25</b>	5 U	<b>0.9 J</b>	<b>37</b>	5 U	<b>448</b>	NA
06/26/01	002	<b>16</b>	5 U	<b>2.3 J</b>	<b>280</b>	5 U	3.0 U	NA
06/26/01	003	<b>510</b>	5 U	<b>4.5 J</b>	<b>1,700</b>	5 U	3.0 U	NA
09/29/01	Comp - Perm	<b>18</b>	25 U	<b>4 J</b>	<b>8.3 J</b>	10 U	0.25 U	<b>7.4</b>
09/29/01	Comp - Temp	<b>14 J</b>	25 U	25 U	<b>350</b>	25 U	0.25 U	<b>8.7</b>
12/21/01	Composite	<b>14</b>	10 U	10 U	<b>130</b>	10 U	<b>1.7</b>	4.1 U
03/14/02	Composite	<b>18</b>	10 U	10 U	<b>130</b>	10 U	<b>0.29</b>	<b>4.5</b>
10/15/02	Composite	<b>11.3</b>	<b>530</b>	<b>9.0</b>	<b>990</b>	<b>16</b>	5 U	NA
12/15/02	Composite	<b>7.3</b>	<b>19</b>	<b>0.16</b>	<b>46</b>	<b>1.3</b>	<b>8.4</b>	50 U
03/15/03	Composite	<b>7.8</b>	<b>14</b>	<b>1.0</b>	<b>29</b>	NA	<b>21</b>	3 U
06/11/03	Composite	<b>11.0</b>	<b>130</b>	<b>64</b>	<b>570</b>	25 U	<b>4.2</b>	<b>5.5</b>
09/09/03	Composite	<b>8.6</b>	<b>290</b>	25 U	<b>620</b>	<b>15</b>	<b>3.0</b>	<b>3.5</b>
12/10/03	Composite	<b>8.6</b>	<b>54</b>	25 U	<b>430</b>	25 U	<b>2.5</b>	<b>3.0</b>
03/12/04	Composite	<b>7.7</b>	<b>51</b>	2 U	<b>3.9</b>	2 U	<b>1.4</b>	<b>1.6</b>
06/09/04	Composite	<b>8.3</b>	<b>54</b>	40 U	<b>650</b>	40 U	<b>1.8</b>	<b>6.8</b>
09/13/04	Composite	<b>10.3</b>	<b>98</b>	10 U	<b>250</b>	10 U	<b>1.8</b>	<b>2.2</b>
12/13/04	Composite	<b>140</b>	<b>4.4 J</b>	20 U	<b>470</b>	20 U	<b>0.81 B</b>	<b>1.6 B</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	<b>46</b>	15 U	15 U	<b>250</b>	15 U	<b>2.1 B</b>	1.5 U
06/09/05	Composite	<b>100</b>	15 U	15 U	<b>1,200</b>	<b>5.4 J</b>	<b>1.2 B</b>	3.0 U
10/03/05	Composite	<b>26</b>	1 U	<b>2.0</b>	<b>8.6</b>	<b>11</b>	5.0 U	3.0 U
12/16/05	Composite	<b>34</b>	5 U	5 U	<b>140</b>	<b>3.5 J</b>	<b>0.68 B</b>	3.0 U
03/13/06	Composite	<b>36</b>	10 U	10 U	<b>190</b>	<b>2.6 J</b>	<b>0.95 B</b>	<b>2.0 B</b>
05/09/06	Composite	<b>87</b>	10 U	10 U	<b>710</b>	<b>5.6 J</b>	<b>1.0 B</b>	3.0 U
06/12/06	Composite	<b>72</b>	3.3 U	3.3 U	<b>190</b>	<b>4.0 J</b>	<b>0.72 B</b>	3.0 U
09/11/06	Composite	<b>16</b>	5 U	5 U	<b>85</b>	5 U	<b>0.47 B</b>	<b>2.0 B</b>
12/11/06	Composite	<b>14</b>	5 U	5 U	<b>71</b>	<b>1.8 J</b>	5.0 U	3.0 U
03/22/07	Composite	<b>32</b>	5 U	<b>2.7 J</b>	<b>130</b>	<b>4.6 J</b>	<b>1.2 B</b>	3.0 U
06/20/07	Composite	<b>31</b>	<b>0.45 J</b>	<b>0.76 J</b>	<b>210</b>	<b>1.7 J</b>	<b>0.44 B</b>	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.

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**JUNE 2007**

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

Reporting Month & Year **Jun-07**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>6,181</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>6.61</b>	<b>7.86</b>	<b>s.u.</b>		<b>8</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>&lt; 4.0</b>	<b>mg/L</b>	<b>&lt; 0.25</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00006</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>0.47</b>	<b>ug/L</b>	<b>0.000029</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>2.4</b>	<b>ug/L</b>	<b>0.00013</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab



**ATTACHMENT B**  
**LABORATORY ANALYSIS REPORT**  
**JUNE 2007 INFLUENT AND EFFLUENT SAMPLES**

STL Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468  
www.stl-inc.com

## ANALYTICAL REPORT

PROJECT NO. VIACOM BUFFALO

Viacom Buffalo Airport

Lot #: C7F210168

Leo Brausch

Leo Brausch Consulting  
131 Wedgewood Drive  
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC. (FKA STL)



Carrie L. Gamber  
Project Manager

July 6, 2007



**NELAC REPORTING:**

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. 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 Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#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
Ohio Vap	(#CL0063)	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

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: 06/18/07

## CASE NARRATIVE

**Leo Brausch Consulting**  
Viacom  
Buffalo Airport

STL Lot # C7F210168

### **Sample Receiving:**

TestAmerica Pittsburgh, PA received samples on June 21, 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:**

TestAmerica North Canton, Ohio performed the 624 analysis. All results are included in the report.

Sample EFF0607 had 1,2-dichloroethane-d4 surrogate recover high and outside of the control limits. There were no target compounds detected in the samples. All results were reported.

Sample IFF0607 was analyzed at a dilution.

The method blank had methylene chloride detected above the reporting limit. The result was less than 5X the reporting limit allowed for common laboratory contaminants. All results were reported.

### **Metals:**

There were no problems associated with the analysis.

### **General Chemistry:**

Sufficient sample volume was received for the TSS, but no sample remained for the pH. Per Leo Brausch, June 29, 2007 the pH would be taken from the field reading.

# METHODS SUMMARY

C7F210168

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Purgeables	CFR136A 624	SW846 5030B
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.

# SAMPLE SUMMARY





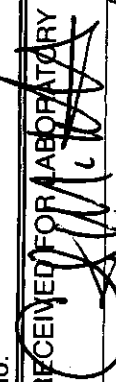
C7F210168

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
J1GFR	001	EFF0607	06/20/07	15:00
J1GF0	002	IFF0607	06/20/07	15:00

**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

 <b>CONESTOGA-ROVERS &amp; ASSOCIATES</b> 2371 George Wythe Ave Durand, NY 14853		SHIPPED TO (Laboratory Name): S FZ Pittsburg PA		REFERENCE NUMBER: 18036 Vaccin Suffolk Airport			
SAMPLER'S SIGNATURE: 		PRINTED NAME:		REMARKS PARAMETERS NO. CONTAINERS			
SEQ. No.	DATE	TIME	SAMPLE No.			SAMPLE TYPE	No. of Containers 5 5
	6/20/07	3:00 AM	FFF 0607				
	6/20/07	3:00	FFF 0607				
			TOTAL NUMBER OF CONTAINERS				
RELINQUISHED BY: 		DATE: 6-20-07		RECEIVED BY: ①			
		TIME: 3:00		DATE: _____			
RELINQUISHED BY: ②		DATE: _____		RECEIVED BY: ②			
		TIME: _____		DATE: _____			
RELINQUISHED BY: ③		DATE: _____		RECEIVED BY: ③			
		TIME: _____		DATE: _____			
METHOD OF SHIPMENT:							
WAY BILL No. _____							
White Yellow Pink Goldenrod		SAMPLE TESTS: 		RECEIVED FOR LABORATORY BY: 			
-Fully Executed Copy -Receiving Laboratory Copy -Shipper Copy -Sampler Copy				NO CRA 01221 DATE: 6/21/07 TIME: 9:10			

Leo Brausch Consulting

Client Sample ID: EFF0607

GC/MS Volatiles

Lot-Sample #....: C7F210168-001    Work Order #....: J1GFR1AF    Matrix.....: WATER  
Date Sampled...: 06/20/07    Date Received...: 06/21/07    MS Run #.....: 7177317  
Prep Date.....: 06/26/07    Analysis Date...: 06/26/07  
Prep Batch #....: 7177571    Analysis Time...: 10:55  
Dilution Factor: 1  
Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
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
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	122 *	(90 - 117)
Toluene-d8	93	(90 - 110)
Bromofluorobenzene	98	(85 - 111)

**NOTE(S) :**

\* Surrogate recovery is outside stated control limits.



Leo Brausch Consulting

Client Sample ID: EFF0607

TOTAL Metals

Lot-Sample #....: C7F210168-001

Matrix.....: WATER

Date Sampled...: 06/20/07

Date Received...: 06/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7177043						
Cadmium	0.47 B	5.0	ug/L	MCAWW 200.7	06/26-06/28/07	J1GFR1AA
		Dilution Factor: 1		Analysis Time..: 15:20	MS Run #.....: 7177029	
		MDL.....: 0.43				
Chromium	2.4 B	5.0	ug/L	MCAWW 200.7	06/26-06/28/07	J1GFR1AC
		Dilution Factor: 1		Analysis Time..: 15:20	MS Run #.....: 7177029	
		MDL.....: 0.59				

**NOTE(S) :**

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF0607

General Chemistry

Lot-Sample #...: C7F210168-001  
Date Sampled...: 06/20/07

Work Order #...: J1GFR  
Date Received...: 06/21/07

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>
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	06/21-06/22/07	7172306

Dilution Factor: 1  
MDL.....: 3.4

Analysis Time..: 00:00

MS Run #.....: 7172299

Leo Brausch Consulting

Client Sample ID: IFF0607

GC/MS Volatiles

Lot-Sample #....: C7F210168-002    Work Order #....: J1GF01AF    Matrix.....: WATER  
 Date Sampled...: 06/20/07    Date Received...: 06/21/07    MS Run #.....: 7177317  
 Prep Date.....: 06/26/07    Analysis Date...: 06/26/07  
 Prep Batch #....: 7177571    Analysis Time...: 16:29  
 Dilution Factor: 3.33  
 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,2-Dichlorobenzene	ND	3.3	ug/L	0.43
cis-1,2-Dichloroethene	31	3.3	ug/L	0.57
Methylene chloride	ND	3.3	ug/L	1.1
Tetrachloroethene	1.4 J	3.3	ug/L	0.97
Toluene	0.45 J	3.3	ug/L	0.43
1,1,1-Trichloroethane	0.76 J	3.3	ug/L	0.73
Trichloroethene	210	3.3	ug/L	0.57
Vinyl chloride	1.7 J	3.3	ug/L	0.73

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	112	(90 - 117)
Toluene-d8	93	(90 - 110)
Bromofluorobenzene	92	(85 - 111)

NOTE(S) :

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: IFF0607

TOTAL Metals

Lot-Sample #...: C7F210168-002

Matrix.....: WATER

Date Sampled...: 06/20/07

Date Received...: 06/21/07

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...: 7177043							
Cadmium	0.44 B	5.0	ug/L		MCAWW 200.7	06/26-06/28/07	J1GF01AC
		Dilution Factor: 1			Analysis Time..: 15:14	MS Run #.....: 7177029	
		MDL.....: 0.43					
Chromium	0.79 B	5.0	ug/L		MCAWW 200.7	06/26-06/28/07	J1GF01AE
		Dilution Factor: 1			Analysis Time..: 15:14	MS Run #.....: 7177029	
		MDL.....: 0.59					
Lead	ND	3.0	ug/L		MCAWW 200.7	06/26-06/28/07	J1GF01AD
		Dilution Factor: 1			Analysis Time..: 15:14	MS Run #.....: 7177029	
		MDL.....: 2.4					

NOTE(S) :

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: IFF0607

General Chemistry

Lot-Sample #....: C7F210168-002  
Date Sampled....: 06/20/07

Work Order #....: J1GF0  
Date Received...: 06/21/07

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	9.8	--	No Units	MCAWW 150.1	06/22/07	7173468
			Dilution Factor: 1	Analysis Time..: 16:00	MS Run #.....: 7176035	
			MDL.....: --			

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C7F210168  
 MB Lot-Sample #: A7F260000-571  
 Analysis Date...: 06/26/07  
 Dilution Factor: 1

Work Order #...: J1T8C1AA  
 Prep Date.....: 06/26/07  
 Prep Batch #...: 7177571

Matrix.....: WATER  
 Analysis Time...: 02:27

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 624
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
<b>Methylene chloride</b>	<b>2.6</b>	<b>1.0</b>	<b>ug/L</b>	<b>CFR136A 624</b>
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

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	116	(90 - 117)
Toluene-d8	96	(90 - 110)
Bromofluorobenzene	98	(85 - 111)

**NOTE (S) :**

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C7F210168

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
<b>MB Lot-Sample #:</b> C7F260000-043 <b>Prep Batch #....:</b> 7177043						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	06/26-06/28/07	J1Q6A1AA
		Dilution Factor: 1				
		Analysis Time..: 15:03				
Chromium	ND	5.0	ug/L	MCAWW 200.7	06/26-06/28/07	J1Q6A1AC
		Dilution Factor: 1				
		Analysis Time..: 15:03				
Lead	ND	3.0	ug/L	MCAWW 200.7	06/26-06/28/07	J1Q6A1AF
		Dilution Factor: 1				
		Analysis Time..: 15:03				

**NOTE (S) :**

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: C7F210168

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	06/21-06/22/07	7172306
		Work Order #: J1H8M1AA		MB Lot-Sample #: C7F210000-306		
		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 #...: C7F210168      Work Order #...: J1T8C1AC      Matrix.....: WATER  
 LCS Lot-Sample#: A7F260000-571  
 Prep Date.....: 06/25/07      Analysis Date...: 06/25/07  
 Prep Batch #...: 7177571      Analysis Time...: 19:33  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	108	(37 - 151)	CFR136A 624
Bromodichloromethane	121	(35 - 155)	CFR136A 624
Bromoform	90	(45 - 169)	CFR136A 624
Bromomethane	84	(10 - 242)	CFR136A 624
Carbon tetrachloride	117	(70 - 140)	CFR136A 624
Chlorobenzene	103	(37 - 160)	CFR136A 624
Chloroethane	96	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	93	(10 - 305)	CFR136A 624
Chloroform	124	(51 - 138)	CFR136A 624
Chloromethane	81	(10 - 273)	CFR136A 624
Dibromochloromethane	109	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	100	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	99	(18 - 190)	CFR136A 624
1,1-Dichloroethane	116	(59 - 155)	CFR136A 624
1,2-Dichloroethane	124	(49 - 155)	CFR136A 624
1,1-Dichloroethene	115	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	117	(54 - 156)	CFR136A 624
1,2-Dichloropropane	104	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	88	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	86	(17 - 183)	CFR136A 624
Ethylbenzene	111	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	103	(46 - 157)	CFR136A 624
1,1,2-Trichloroethane	106	(52 - 150)	CFR136A 624
Trichlorofluoromethane	124	(17 - 181)	CFR136A 624
1,2-Dichlorobenzene	100	(18 - 190)	CFR136A 624
Methylene chloride	104	(10 - 221)	CFR136A 624
Tetrachloroethene	105	(64 - 148)	CFR136A 624
Toluene	108	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	118	(52 - 162)	CFR136A 624
Trichloroethene	102	(71 - 157)	CFR136A 624
Vinyl chloride	87	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7F210168  
LCS Lot-Sample#: A7F260000-571

Work Order #...: J1T8C1AC

Matrix.....: WATER

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichloroethane-d4	117	(90 - 117)
Toluene-d8	99	(90 - 110)
Bromofluorobenzene	109	(85 - 111)

**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 #...: C7F210168

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>
<b>LCS Lot-Sample#:</b> C7F260000-043 <b>Prep Batch #...:</b> 7177043					
Cadmium	96	(85 - 115)	MCAWW 200.7	06/26-06/28/07	J1Q6A1AD
		Dilution Factor: 1		Analysis Time..: 15:09	
Chromium	99	(85 - 115)	MCAWW 200.7	06/26-06/28/07	J1Q6A1AE
		Dilution Factor: 1		Analysis Time..: 15:09	
Lead	95	(85 - 115)	MCAWW 200.7	06/26-06/28/07	J1Q6A1AN
		Dilution Factor: 1		Analysis Time..: 15:09	

**NOTE (S) :**

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

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: C7F210168

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)	MCAWW 150.1	06/22/07	7173468
			Dilution Factor: 1	Analysis Time..: 15:59	
Total Suspended Solids	94	(80 - 120)	MCAWW 160.2	06/21-06/22/07	7172306
			Dilution Factor: 1	Analysis Time..: 00:00	

**NOTE(S) :**

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #....: C7F210168      Work Order #....: J1CVH1AC      Matrix.....: WATER  
 MS Lot-Sample #: A7F200108-007  
 Date Sampled....: 06/19/07      Date Received...: 06/20/07  
 Prep Date.....: 06/26/07      Analysis Date...: 06/26/07  
 Prep Batch #....: 7177571      MS Run #.....: 7177317  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	108	(90 - 114)	CFR136A 624
Bromodichloromethane	112	(78 - 123)	CFR136A 624
Bromoform	76	(40 - 141)	CFR136A 624
Bromomethane	79	(42 - 160)	CFR136A 624
Carbon tetrachloride	85	(61 - 129)	CFR136A 624
Chlorobenzene	100	(90 - 113)	CFR136A 624
Chloroethane	95	(56 - 133)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 185)	CFR136A 624
Chloroform	123 a	(90 - 118)	CFR136A 624
Chloromethane	74	(37 - 127)	CFR136A 624
Dibromochloromethane	92	(65 - 123)	CFR136A 624
1,3-Dichlorobenzene	97	(90 - 111)	CFR136A 624
1,4-Dichlorobenzene	95	(90 - 112)	CFR136A 624
1,1-Dichloroethane	116 a	(90 - 114)	CFR136A 624
1,2-Dichloroethane	137 a	(90 - 123)	CFR136A 624
1,1-Dichloroethene	112	(83 - 129)	CFR136A 624
trans-1,2-Dichloroethene	116	(85 - 116)	CFR136A 624
1,2-Dichloropropane	103	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	77	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	70 a	(71 - 114)	CFR136A 624
Ethylbenzene	108	(88 - 111)	CFR136A 624
1,1,2,2-Tetrachloroethane	104	(77 - 133)	CFR136A 624
1,1,2-Trichloroethane	106	(89 - 123)	CFR136A 624
Trichlorofluoromethane	108	(62 - 110)	CFR136A 624
1,2-Dichlorobenzene	99	(90 - 115)	CFR136A 624
Methylene chloride	99	(78 - 131)	CFR136A 624
Tetrachloroethene	103	(81 - 112)	CFR136A 624
Toluene	106	(87 - 112)	CFR136A 624
1,1,1-Trichloroethane	100	(82 - 119)	CFR136A 624
Trichloroethene	101	(85 - 114)	CFR136A 624
Vinyl chloride	79	(50 - 119)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	124 *	(90 - 117)
Toluene-d8	97	(90 - 110)
Bromofluorobenzene	108	(85 - 111)

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

**Lot-Sample #...**: C7F210168

**Work Order #...**: J1CVH1AC

**Matrix.....**: WATER

**MS Lot-Sample #:** A7F200108-007

**NOTE(S) :**

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

Bold print denotes control parameters

- \* Surrogate recovery is outside stated control limits.
- a Spiked analyte recovery is outside stated control limits.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: C7F210168

Matrix.....: WATER

Date Sampled...: 06/20/07

Date Received...: 06/21/07

<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>
<b>MS Lot-Sample #: C7F210168-001 Prep Batch #...: 7177043</b>							
Cadmium	100	(70 - 130)			MCAWW 200.7	06/26-06/28/07	J1GFR1AG
	98	(70 - 130)	2.2	(0-20)	MCAWW 200.7	06/26-06/28/07	J1GFR1AH
			Dilution Factor: 1				
			Analysis Time...: 15:31				
			MS Run #.....: 7177029				
Chromium	100	(70 - 130)			MCAWW 200.7	06/26-06/28/07	J1GFR1AJ
	98	(70 - 130)	1.8	(0-20)	MCAWW 200.7	06/26-06/28/07	J1GFR1AK
			Dilution Factor: 1				
			Analysis Time...: 15:31				
			MS Run #.....: 7177029				
Lead	98	(70 - 130)			MCAWW 200.7	06/26-06/28/07	J1GFR1AM
	96	(70 - 130)	1.6	(0-20)	MCAWW 200.7	06/26-06/28/07	J1GFR1AN
			Dilution Factor: 1				
			Analysis Time...: 15:31				
			MS Run #.....: 7177029				

**NOTE(S) :**

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

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: C7F210168

Work Order #....: J1GJ5-SMP  
J1GJ5-DUP

Matrix.....: WATER

Date Sampled....: 06/20/07

Date Received...: 06/21/07

<u>PARAM RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Suspended Solids	8.0	7.6	mg/L	5.1	(0-20) MCAWW 160.2	06/21-06/22/07	7172306
Dilution Factor: 1      Analysis Time...: 00:00      MS Run Number...: 7172299							
SD Lot-Sample #: C7F210180-002							



**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: C7F210168

Work Order #....: J1GF0-SMP  
J1GF0-DUP

Matrix.....: WATER

Date Sampled....: 06/20/07

Date Received...: 06/21/07

<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	9.8	9.8	No Units	0.31	(0-2.0)	MCAWW 150.1	06/22/07	7173468
			Dilution Factor: 1			Analysis Time...: 16:00	MS Run Number...: 7176035	
						SD Lot-Sample #: C7F210168-002		