



**CBS Corporation**

Environmental Remediation  
11 Stanwix Street  
Pittsburgh, PA 15222

March 13, 2008

William P. Murray, P.E.  
Environmental Engineer I  
New York State Department of Environmental Conservation  
Division of Hazardous Waste 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. Murray:

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 February 1 through February 29, 2008 and transmits the discharge monitoring report for this period.

**1. Site Activities and Status**

- A. On February 7, 2008, CBS submitted to NYSDEC a monthly report on the status of both routine and non-routine O&M activities at the Site for the January 2008 operating period. That status report also transmitted the discharge monitoring data for January 2008.
- B. The recovery and treatment system operated throughout the February 2008 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M on behalf of CBS, and TestAmerica Laboratories, Inc. (TestAmerica) provided analytical laboratory services, as required.

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

- A. In February 2008, the groundwater system recovered and treated an estimated 259,000 gallons.<sup>1</sup>
- B. Attachment A provides the discharge monitoring report for February 2008 based on effluent sample collected on February 20, 2008. Attachment B provides the analytical laboratory report for the effluent sample collected on February 20, 2008.
- 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 February 2008 reporting period, the effluent complied with all discharge limitations except for pH. The pH recorded on February 4, 2008 was 6.25, and the pH recorded on February 20, 2008 (field reading) was 9.30. The remaining four readings were all within the range of 7.00 to 7.03, and the mean pH value for February 2008 was 7.22

## **3. Upcoming Activities**

- A. CBS will continue required O&M activities.
- B. CBS will continue to coordinate with the Niagara Frontier Transportation Authority regarding the partial termination of the groundwater recovery and treatment system.
- C. Based on the discussions with NYSDEC on January 18, 2008, CBS will prepare a revised plan for the partial termination of the groundwater recovery and treatment system.

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<sup>1</sup> Reexamination of the flow data shows that the groundwater system recovered and treated an estimated 205,000 gallons in December 2007, rather than the 199,000 gallons previously reported.

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- D. CRA will collect additional hydraulic data for system evaluation in support of the revised plan for the partial termination of the groundwater recovery and treatment system.

#### 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

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**FEBRUARY 2008**

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

Reporting Month & Year **Feb-08**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>14,501</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>6.25</b>	<b>9.30</b>	<b>s.u.</b>		<b>6</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; 0.53</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; 0.00013</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; 0.00013</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; 0.00013</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; 0.00013</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; 0.00013</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; 0.00013</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 0.43</b>	<b>ug/L</b>	<b>&lt; 0.000052</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>5.5</b>	<b>ug/L</b>	<b>0.00067</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**LABORATORY ANALYSIS REPORT**  
**FEBRUARY 2008 EFFLUENT SAMPLE**

## ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C8B210282

Leo Brausch

Leo Brausch Consulting  
131 Wedgewood Drive  
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber  
Project Manager

March 12, 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
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California - NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida - NELAC	(#E87660)	WW	X
		HW	X
Illinois - NELAC	(#200005)	WW	X
		HW	X
Kansas - NELAC	(#E-10350)	WW	X
		HW	X
Louisiana - NELAC	(#93200)	WW	X
		HW	X
New Hampshire - NELAC	(#203002)	WW	X
		--	--
New Jersey - NELAC	(PA-005)	WW	X
		HW	X
New York - NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah - NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	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.

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## CASE NARRATIVE

### Leo Brausch Consulting

Viacom

Buffalo Airport

Lot # C8C210282

#### **Sample Receiving:**

TestAmerica Pittsburgh, PA received one sample on February 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.

The method blank had methylene chloride detected between the MDL and the reporting limit. The result was flagged with a "J" qualifier. This compound was not detected in the sample.

The matrix spike recovered outside of the control limits for 2-chloroethyl vinyl ether and trichlorofluoromethane.

#### **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

C8B210282

<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

C8B210282

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
KHF4V	001	EFF-0208	02/20/08	10:00

**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.



Leo Brausch Consulting

Client Sample ID: EFF-0208

GC/MS Volatiles

Lot-Sample #...: C8B210282-001    Work Order #...: KHF4V1AD    Matrix.....: WATER  
Date Sampled...: 02/20/08    Date Received...: 02/21/08    MS Run #.....: 8056135  
Prep Date.....: 02/25/08    Analysis Date...: 02/25/08  
Prep Batch #...: 8056303    Analysis Time...: 14:35  
Dilution Factor: 1  
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	85	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	86	(81 - 112)

Leo Brausch Consulting

Client Sample ID: EFF-0208

TOTAL Metals

Lot-Sample #...: C8B210282-001

Matrix.....: WATER

Date Sampled...: 02/20/08

Date Received...: 02/21/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
<b>Prep Batch #...: 8056323</b>						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	02/25-02/27/08	KHF4V1AA
		Dilution Factor: 1		Analysis Time...: 13:03	MS Run #.....: 8056159	
		MDL.....: 0.43				
<b>Chromium</b>	<b>5.5</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>02/25-02/27/08</b>	<b>KHF4V1AC</b>
		Dilution Factor: 1		Analysis Time...: 13:03	MS Run #.....: 8056159	
		MDL.....: 0.59				

Leo Brausch Consulting

Client Sample ID: EFF-0208

General Chemistry

Lot-Sample #...: C8B210282-001  
 Date Sampled...: 02/20/08

Work Order #...: KHF4V  
 Date Received...: 02/21/08

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	7.0	--	No Units	SM20 4500-H+B	02/22/08	8053043
				Dilution Factor: 1	Analysis Time...: 09:44	MS Run #.....: 8053013
				MDL.....: --		
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	02/22/08	8053130
				Dilution Factor: 1	Analysis Time...: 00:00	MS Run #.....: 8053082
				MDL.....: 4.0		

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: C8B210282  
 MB Lot-Sample #: A8B250000-303  
 Analysis Date...: 02/25/08  
 Dilution Factor: 1

Work Order #....: KHK501AA  
 Prep Date.....: 02/25/08  
 Prep Batch #....: 8056303

Matrix.....: WATER  
 Analysis Time...: 13:16

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Toluene	ND	1.0	ug/L		CFR136A 624
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>0.81 J</b>	<b>1.0</b>	<b>ug/L</b>		<b>CFR136A 624</b>
Tetrachloroethene	ND	1.0	ug/L		CFR136A 624
Trichloroethene	ND	1.0	ug/L		CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	88	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 J- Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C8B210282

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> C8B250000-323 <b>Prep Batch #....:</b> 8056323						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	02/25-02/27/08	KHK7V1AD
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Chromium	ND	5.0	ug/L	MCAWW 200.7	02/25-02/27/08	KHK7V1AE
		Dilution Factor: 1				
		Analysis Time..: 12:52				

**NOTE(S):**

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

METHOD BLANK REPORT

General Chemistry

Client Lot #....: C8B210282

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	SM20 2540D	02/22/08	8053130
		Work Order #: KHG581AA		MB Lot-Sample #: C8B220000-130		
		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 #...: C8B210282      Work Order #...: KHK501AC      Matrix.....: WATER  
 LCS Lot-Sample#: A8B250000-303  
 Prep Date.....: 02/25/08      Analysis Date...: 02/25/08  
 Prep Batch #...: 8056303      Analysis Time...: 11:50  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
Benzene	92	(37 - 151)	CFR136A 624
Bromodichloromethane	104	(35 - 155)	CFR136A 624
Bromoform	83	(45 - 169)	CFR136A 624
Bromomethane	108	(10 - 242)	CFR136A 624
Carbon tetrachloride	99	(70 - 140)	CFR136A 624
Chlorobenzene	106	(37 - 160)	CFR136A 624
Chloroethane	94	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	86	(10 - 305)	CFR136A 624
Chloroform	99	(51 - 138)	CFR136A 624
Chloromethane	65	(10 - 273)	CFR136A 624
Dibromochloromethane	115	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	96	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	92	(18 - 190)	CFR136A 624
1,1-Dichloroethane	86	(59 - 155)	CFR136A 624
1,2-Dichloroethane	95	(49 - 155)	CFR136A 624
1,1-Dichloroethene	117	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	101	(54 - 156)	CFR136A 624
1,2-Dichloropropane	85	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	95	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	94	(17 - 183)	CFR136A 624
Ethylbenzene	100	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	101	(46 - 157)	CFR136A 624
1,1,1-Trichloroethane	92	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	105	(52 - 150)	CFR136A 624
Trichlorofluoromethane	122	(17 - 181)	CFR136A 624
Vinyl chloride	80	(10 - 251)	CFR136A 624
1,2-Dichlorobenzene	96	(18 - 190)	CFR136A 624
Methylene chloride	117	(10 - 221)	CFR136A 624
Tetrachloroethene	103	(64 - 148)	CFR136A 624
Toluene	103	(47 - 150)	CFR136A 624
Trichloroethene	111	(71 - 157)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8B210282      Work Order #...: KHK501AC      Matrix.....: WATER  
LCS Lot-Sample#: A8B250000-303

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
1,2-Dichloroethane-d4	90	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	99	(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 #....: C8B210282

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> C8B250000-323 <b>Prep Batch #....:</b> 8056323					
Cadmium	102	(85 - 115)	MCAWW 200.7	02/25-02/27/08	KHK7V1AM
		Dilution Factor: 1		Analysis Time...: 12:58	
Chromium	103	(85 - 115)	MCAWW 200.7	02/25-02/27/08	KHK7V1AN
		Dilution Factor: 1		Analysis Time...: 12:58	

**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 #....: C8B210282

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	02/22/08	8053043
		Dilution Factor: 1		Analysis Time...: 08:45	
Total Suspended Solids	99	(80 - 120)	SM20 2540D	02/22/08	8053130
		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 #...: C8B210282      Work Order #...: KHF4V1AG      Matrix.....: WATER  
 MS Lot-Sample #: C8B210282-001  
 Date Sampled...: 02/20/08      Date Received...: 02/21/08  
 Prep Date.....: 02/25/08      Analysis Date...: 02/25/08  
 Prep Batch #...: 8056303      MS Run #.....: 8056135  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	95	(90 - 114)	CFR136A 624
Bromodichloromethane	102	(78 - 123)	CFR136A 624
Bromoform	82	(40 - 141)	CFR136A 624
Bromomethane	111	(42 - 160)	CFR136A 624
Carbon tetrachloride	95	(61 - 129)	CFR136A 624
Chlorobenzene	103	(90 - 113)	CFR136A 624
Chloroethane	95	(56 - 133)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 185)	CFR136A 624
Chloroform	102	(90 - 118)	CFR136A 624
Chloromethane	64	(37 - 127)	CFR136A 624
Dibromochloromethane	108	(65 - 123)	CFR136A 624
1,3-Dichlorobenzene	97	(90 - 111)	CFR136A 624
1,4-Dichlorobenzene	95	(90 - 112)	CFR136A 624
1,1-Dichloroethane	91	(90 - 114)	CFR136A 624
1,2-Dichloroethane	99	(90 - 123)	CFR136A 624
1,1-Dichloroethene	119	(83 - 129)	CFR136A 624
trans-1,2-Dichloroethene	103	(85 - 116)	CFR136A 624
1,2-Dichloropropane	89	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	94	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	91	(71 - 114)	CFR136A 624
Ethylbenzene	99	(88 - 111)	CFR136A 624
1,1,2,2-Tetrachloroethane	107	(77 - 133)	CFR136A 624
1,1,1-Trichloroethane	91	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	105	(89 - 123)	CFR136A 624
Trichlorofluoromethane	130 a	(62 - 110)	CFR136A 624
Vinyl chloride	79	(50 - 119)	CFR136A 624
1,2-Dichlorobenzene	100	(90 - 115)	CFR136A 624
Methylene chloride	114	(78 - 131)	CFR136A 624
Tetrachloroethene	104	(81 - 112)	CFR136A 624
Toluene	104	(87 - 112)	CFR136A 624
Trichloroethene	110	(85 - 114)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	91	(80 - 125)
Toluene-d8	102	(84 - 110)
Bromofluorobenzene	95	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C8B210282  
MS Lot-Sample #: C8B210282-001

Work Order #...: KHF4V1AG

Matrix.....: WATER

**NOTE(S) :**

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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 #....: C8B210282

Matrix.....: WATER

Date Sampled...: 02/19/08

Date Received...: 02/21/08

<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 #: C8B210237-002 Prep Batch #....: 8056323</b>							
Cadmium	95	(70 - 130)			MCAWW 200.7	02/25-02/27/08	KHFQ41AQ
	98	(70 - 130)	3.2	(0-20)	MCAWW 200.7	02/25-02/27/08	KHFQ41AR
			Dilution Factor: 1				
			Analysis Time...: 13:49				
			MS Run #.....: 8056159				
Chromium	97	(70 - 130)			MCAWW 200.7	02/25-02/27/08	KHFQ41AT
	100	(70 - 130)	2.9	(0-20)	MCAWW 200.7	02/25-02/27/08	KHFQ41AU
			Dilution Factor: 1				
			Analysis Time...: 13:49				
			MS Run #.....: 8056159				

**NOTE (S) :**

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: C8B210282

Work Order #....: KHF89-SMP  
KHF89-DUP

Matrix.....: WATER

Date Sampled....: 02/21/08

Date Received...: 02/21/08

<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	7.3	7.3	No Units	0.55	(0-2.0)	SM20 4500-H+B	02/22/08	8053043
			Dilution Factor: 1	Analysis Time...: 08:51		MS Run Number...: 8053013		
SD Lot-Sample #: C8B210292-001								



**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: C8B210282

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

Matrix.....: WATER

Date Sampled....: 02/20/08

Date Received...: 02/21/08

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>						<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	200	(0-20)	SM20 2540D		02/22/08	8053130
			Dilution Factor: 1			Analysis Time...: 00:00		MS Run Number...: 8053082	
							SD Lot-Sample #: C8B210234-001		