



**CBS Corporation**

Environmental Remediation  
11 Stanwix Street  
Pittsburgh, PA 15222

May 19, 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 April 1 through April 30, 2008 and transmits the discharge monitoring report for this period.

**1. Site Activities and Status**

- A. On April 15, 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 March 2008 operating period. That status report also transmitted the discharge monitoring data for March 2008.
- B. The recovery and treatment system operated throughout the April 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.

- D. Pursuant to the agreements reached at the meeting of June 26, 2006, as subsequently documented via CBS' correspondence of August 8, 2008, NYSDEC is working directly with the Niagara Frontier Transportation Authority and Mercy Flight of Western New York, Inc. regarding vapor intrusion issues associated with the redevelopment of the Flying Tigers Area (Area P) of the Site.

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

- A. In April 2008, the groundwater system recovered and treated an estimated 206,000 gallons.
- B. Attachment A provides the discharge monitoring report for April 2008 based on effluent sample collected on April 28, 2008. Attachment B provides the analytical laboratory report for the effluent sample collected on April 28, 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 April 2008 reporting period, the effluent complied with all discharge limitations except for pH. Three of the nine pH readings in April were below 6.5. The lowered pH was addressed in routine O&M, and the final pH reading of the month (April 30, 2008) was 6.99. The laboratory-analyzed effluent sample collected on April 28, 2008 exhibited a pH of 7.0.

## **3. Upcoming Activities**

- A. CBS will continue required O&M activities.

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- B. CBS is reevaluating the information gathered to date and plans to submit 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:  
Attachments

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

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**APRIL 2008**

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

Reporting Month & Year **Apr-08**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>8,557</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>5.49</b>	<b>7.20</b>	<b>s.u.</b>		<b>9</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>9.6</b>	<b>mg/L</b>	<b>0.73</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; 0.00008</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; 0.00008</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; 0.00008</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; 0.00008</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; 0.00008</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; 0.00008</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; 0.000031</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>4.9</b>	<b>ug/L</b>	<b>0.00035</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

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

## ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C8D290226

Leo Brausch

Leo Brausch Consulting  
131 Wedgewood Drive  
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber  
Project Manager

May 6, 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.

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

## CASE NARRATIVE

**Leo Brausch Consulting**  
Viacom  
Buffalo Airport

Lot # C8D290226

### **Sample Receiving:**

TestAmerica Pittsburgh received one sample on April 29, 2008. The cooler was received within the proper temperature range.

The sampling date listed on the chain of custody was March 28<sup>th</sup>. The sample bottle label had April 28<sup>th</sup>. The date was logged in from the sample bottle.

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 performed the 624 analysis. All results are included in the report.

### **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

C8D290226

<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

C8D290226

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
KL71X	001	EFF0408	04/28/08	11:00

**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: EFF0408

GC/MS Volatiles

Lot-Sample #...: C8D290226-001  
Date Sampled...: 04/28/08  
Prep Date.....: 05/01/08  
Prep Batch #...: 8122532  
Dilution Factor: 1

Work Order #...: KL71X1AD  
Date Received...: 04/29/08  
Analysis Date...: 05/01/08  
Analysis Time...: 16:06

Matrix.....: WATER  
MS Run #.....: 8122257

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	96	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	99	(81 - 112)

Leo Brausch Consulting

Client Sample ID: EFF0408

TOTAL Metals

Lot-Sample #....: C8D290226-001

Matrix.....: WATER

Date Sampled....: 04/28/08

Date Received...: 04/29/08

<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>
<b>Prep Batch #....: 8121265</b>						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	04/30-05/02/08	KL71X1AA
		Dilution Factor: 1		Analysis Time..: 02:55	MS Run #.....: 8121153	
		MDL.....: 0.43				
Chromium	4.9 B	5.0	ug/L	MCAWW 200.7	04/30-05/02/08	KL71X1AC
		Dilution Factor: 1		Analysis Time..: 02:55	MS Run #.....: 8121153	
		MDL.....: 0.59				

**NOTE(S):**

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF0408

General Chemistry

Lot-Sample #....: C8D290226-001  
 Date Sampled....: 04/28/08

Work Order #....: KL71X  
 Date Received...: 04/29/08

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	04/30/08	8121155
				Dilution Factor: 1	Analysis Time..: 13:50	MS Run #.....: 8121079
				MDL.....: --		
Total Suspended Solids	9.6	4.0	mg/L	SM20 2540D	04/30-05/01/08	8121037
				Dilution Factor: 1	Analysis Time..: 00:00	MS Run #.....: 8121033
				MDL.....: 4.0		

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: C8D290226  
 MB Lot-Sample #: A8E010000-532

Work Order #....: KME3R1AA

Matrix.....: WATER

Analysis Date...: 04/30/08  
 Dilution Factor: 1

Prep Date.....: 04/30/08  
 Prep Batch #....: 8122532

Analysis Time...: 19:47

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
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
Trichloroethene	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	93	(80 - 125)
Toluene-d8	103	(84 - 110)
Bromofluorobenzene	99	(81 - 112)

**NOTE(S):**

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C8D290226

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> C8D300000-265 <b>Prep Batch #....:</b> 8121265						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	04/30-05/02/08	KL9M91AK
		Dilution Factor: 1				
		Analysis Time...: 02:17				
Chromium	ND	5.0	ug/L	MCAWW 200.7	04/30-05/02/08	KL9M91AL
		Dilution Factor: 1				
		Analysis Time...: 02:17				

**NOTE(S):**

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C8D290226

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	04/30-05/01/08	8121037
		Work Order #: KL83H1AA		MB Lot-Sample #: C8D300000-037		
		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 #...: C8D290226      Work Order #...: KME3R1AC      Matrix.....: WATER  
 LCS Lot-Sample#: A8E010000-532  
 Prep Date.....: 04/30/08      Analysis Date...: 04/30/08  
 Prep Batch #...: 8122532      Analysis Time...: 18:56  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	101	(37 - 151)	CFR136A 624
Bromodichloromethane	90	(35 - 155)	CFR136A 624
Bromoform	65	(45 - 169)	CFR136A 624
Bromomethane	111	(10 - 242)	CFR136A 624
Carbon tetrachloride	77	(70 - 140)	CFR136A 624
Chlorobenzene	98	(37 - 160)	CFR136A 624
Chloroethane	118	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	104	(10 - 305)	CFR136A 624
Chloroform	93	(51 - 138)	CFR136A 624
Chloromethane	111	(10 - 273)	CFR136A 624
Dibromochloromethane	79	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	103	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	98	(18 - 190)	CFR136A 624
1,1-Dichloroethane	102	(59 - 155)	CFR136A 624
1,2-Dichloroethane	92	(49 - 155)	CFR136A 624
1,1-Dichloroethene	101	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	98	(54 - 156)	CFR136A 624
1,2-Dichloropropane	104	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	96	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	92	(17 - 183)	CFR136A 624
Ethylbenzene	100	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	103	(46 - 157)	CFR136A 624
1,1,1-Trichloroethane	89	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	104	(52 - 150)	CFR136A 624
Trichlorofluoromethane	134	(17 - 181)	CFR136A 624
Vinyl chloride	100	(10 - 251)	CFR136A 624
1,2-Dichlorobenzene	103	(18 - 190)	CFR136A 624
Methylene chloride	94	(10 - 221)	CFR136A 624
Tetrachloroethene	95	(64 - 148)	CFR136A 624
Toluene	100	(47 - 150)	CFR136A 624
Trichloroethene	96	(71 - 157)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C8D290226

Work Order #...: KME3R1AC

Matrix.....: WATER

LCS Lot-Sample#: A8E010000-532

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	97	(80 - 125)
Toluene-d8	103	(84 - 110)
Bromofluorobenzene	104	(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 #...: C8D290226

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#:	C8D300000-265	Prep Batch #...:	8121265		
Cadmium	102	(85 - 115)	MCAWW 200.7	04/30-05/02/08	KL9M91A0
		Dilution Factor: 1		Analysis Time...: 02:22	
Chromium	104	(85 - 115)	MCAWW 200.7	04/30-05/02/08	KL9M91A1
		Dilution Factor: 1		Analysis Time...: 02:22	

**NOTE(S):**

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

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: C8D290226

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	99	(99 - 101)	SM20 4500-H+B Dilution Factor: 1	Work Order #: KL8831AA LCS Lot-Sample#: C8D300000-155 04/30/08 Analysis Time...: 13:50	8121155
Total Suspended Solids	87	(80 - 120)	SM20 2540D Dilution Factor: 1	Work Order #: KL83H1AC LCS Lot-Sample#: C8D300000-037 04/30-05/01/08 Analysis Time...: 00:00	8121037

**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 #...: C8D290226      Work Order #...: KL7RQ1AG      Matrix.....: WATER  
 MS Lot-Sample #: A8D290193-001  
 Date Sampled...: 04/29/08      Date Received...: 04/29/08  
 Prep Date.....: 05/01/08      Analysis Date...: 05/01/08  
 Prep Batch #...: 8122532      MS Run #.....: 8122257  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	99	(90 - 114)	CFR136A 624
Bromodichloromethane	83	(78 - 123)	CFR136A 624
Bromoform	50	(40 - 141)	CFR136A 624
Bromomethane	111	(42 - 160)	CFR136A 624
Carbon tetrachloride	65	(61 - 129)	CFR136A 624
Chlorobenzene	95	(90 - 113)	CFR136A 624
Chloroethane	119	(56 - 133)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 185)	CFR136A 624
Chloroform	92	(90 - 118)	CFR136A 624
Chloromethane	115	(37 - 127)	CFR136A 624
Dibromochloromethane	67	(65 - 123)	CFR136A 624
1,3-Dichlorobenzene	99	(90 - 111)	CFR136A 624
1,4-Dichlorobenzene	95	(90 - 112)	CFR136A 624
1,1-Dichloroethane	102	(90 - 114)	CFR136A 624
1,2-Dichloroethane	94	(90 - 123)	CFR136A 624
1,1-Dichloroethene	99	(83 - 129)	CFR136A 624
trans-1,2-Dichloroethene	98	(85 - 116)	CFR136A 624
1,2-Dichloropropane	103	(87 - 119)	CFR136A 624
cis-1,3-Dichloropropene	86	(77 - 115)	CFR136A 624
trans-1,3-Dichloropropene	83	(71 - 114)	CFR136A 624
Ethylbenzene	97	(88 - 111)	CFR136A 624
1,1,2,2-Tetrachloroethane	99	(77 - 133)	CFR136A 624
1,1,1-Trichloroethane	83	(82 - 119)	CFR136A 624
1,1,2-Trichloroethane	102	(89 - 123)	CFR136A 624
Trichlorofluoromethane	124 a	(62 - 110)	CFR136A 624
Vinyl chloride	99	(50 - 119)	CFR136A 624
1,2-Dichlorobenzene	100	(90 - 115)	CFR136A 624
Methylene chloride	96	(78 - 131)	CFR136A 624
Tetrachloroethene	90	(81 - 112)	CFR136A 624
Toluene	96	(87 - 112)	CFR136A 624
Trichloroethene	93	(85 - 114)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	101	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	102	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C8D290226

Work Order #...: KL7RQ1AG

Matrix.....: WATER

MS Lot-Sample #: A8D290193-001

**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 #...: C8D290226

Matrix.....: WATER

Date Sampled...: 04/28/08

Date Received...: 04/28/08

<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 #: C8D280172-001 Prep Batch #...: 8121265</b>							
Cadmium	99	(70 - 130)			MCAWW 200.7	04/30-05/02/08	KL5641CP
	98	(70 - 130)	0.75	(0-20)	MCAWW 200.7	04/30-05/02/08	KL5641CQ
			Dilution Factor: 1				
			Analysis Time...: 02:39				
			MS Run #.....: 8121153				
Chromium	102	(70 - 130)			MCAWW 200.7	04/30-05/02/08	KL5641CR
	102	(70 - 130)	0.12	(0-20)	MCAWW 200.7	04/30-05/02/08	KL5641CT
			Dilution Factor: 1				
			Analysis Time...: 02:39				
			MS Run #.....: 8121153				

**NOTE(S):**

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

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: C8D290226

Work Order #...: KL729-SMP  
KL729-DUP

Matrix.....: WATER

Date Sampled...: 04/25/08

Date Received...: 04/29/08

<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>
Total Suspended Solids	6.5	6.0	mg/L	8.0	(0-20)	SM20 2540D	04/30-05/01/08	8121037
						SD Lot-Sample #: C8D290241-001		
				Dilution Factor: 1	Analysis Time...: 00:00		MS Run Number...: 8121033	

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: C8D290226

Work Order #....: KL8AR-SMP  
KL8AR-DUP

Matrix.....: WATER

Date Sampled....: 04/29/08

Date Received...: 04/29/08

<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	7.7	7.7	No Units	0.26	(0-2.0)	SM20 4500-H+B	SD Lot-Sample #: C8D290279-004 04/30/08	8121155
			Dilution Factor: 1			Analysis Time...: 14:01	MS Run Number...: 8121079	