



**CBS Corporation**

Environmental Remediation  
11 Stanwix Street  
Pittsburgh, PA 15222

November 11, 2006

Thomas J. Biel  
Geologist  
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 the period of October 1 through October 31, 2006 and transmits the discharge monitoring report for this reporting period.

**1. Site Activities and Status**

- A. On October 9, 2006, CBS submitted to NYSDEC a monthly report on the status of both routine and non-routine O&M activities at the Site for the September 2006 operating period. That status report also transmitted the discharge monitoring data for September 2006.
- B. The recovery and treatment system operated throughout the October 2006 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted routine O&M on behalf of CBS, and Severn Trent Laboratories, Inc. (STL) provided analytical laboratory services, as required.

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

- A. In October 2006, the groundwater system recovered an estimated 320,000 gallons.
- B. Attachment A provides the discharge monitoring report for October 2006 based on effluent sample collected on October 23, 2006. Attachment B includes the analytical laboratory report for the effluent sample collected on October 23, 2006.
- 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 October 2006 reporting period, the effluent complied with all discharge limitations.

## **3. Upcoming Activities**

- A. On August 3, 2006, CBS submitted the work plan for the phased shut-down of the recovery and treatment system operating in the central and southern portion of the Site. Upon NYSDEC approval, CBS will implement this work plan in accordance with the schedule provided therein. In the meantime, CBS will continue O&M activities, as needed.
- B. On August 8, 2006, CBS submitted a letter to NYSDEC laying out its understanding of the agreed-upon actions to be undertaken with respect to the Flying Tigers Area (Area P) at the northern end of the Site. CBS will work to support Niagara Frontier Transportation Authority and Mercy Flight of Western New York, Inc. as needed to implement these actions.

**4. Operational Problems**

- A. Previously reported operational problems associated with elevated pH, hardness, and inflow continue. These operational problems will be resolved with the phased shutdown of the collection and treatment system.

\* \* \* \*

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**  
**OCTOBER 2006**

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

Reporting Month & Year **Oct-06**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>10,441</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>6.90</b>	<b>7.03</b>	<b>s.u.</b>		<b>7</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; 0.4</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; 0.00009</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; 0.00009</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; 0.00009</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; 0.00009</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; 0.00009</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; 0.00009</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 0.31</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>&lt; 0.80</b>	<b>ug/L</b>	<b>&lt; 0.00007</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**LABORATORY ANALYSIS REPORT**  
**OCTOBER 2006 EFFLUENT SAMPLE**

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

Viacom Buffalo Airport

Lot #: C6J240292

Leo Brausch

Leo Brausch Consulting

SEVERN TRENT LABORATORIES, INC.



Carrie L. Gamber  
Project Manager

November 2, 2006

**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 STL 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	STL 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
		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
Ohio Vap	(#CL0063)	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: 04/27/06



## CASE NARRATIVE

**Leo Brausch Consulting**  
Viacom  
Buffalo Airport

STL Lot # C6J240292

### **Sample Receiving:**

STL Pittsburgh received one sample on October 24, 2006. 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(624):**

There were no problems associated with the analysis.

### **Metals:**

There were no problems associated with the analysis.

### **General Chemistry:**

The test for pH is a field parameter. The laboratory pH analysis was completed at the request of the client.

# METHODS SUMMARY

C6J240292

<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	CFR136A 624
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


C6J240292

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u>	<u>SAMP</u>
				<u>DATE</u>	<u>TIME</u>
JG52D	001	EFF	1006	10/23/06	15:30

**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

 <b>CONESTOGA-ROVERS &amp; ASSOCIATES</b> 2055 Niagara Falls Blvd., Suite 3 Niagara Falls, N.Y. 14304 (716) 297-6150		SHIPPED TO (Laboratory Name): <b>SJK</b> <b>Pittsbur PA</b>		REFERENCE NUMBER: <b>18036</b> <b>Niagara Buffalo Air-poll</b>	
SAMPLER'S SIGNATURE: <i>[Signature]</i>		PRINTED NAME: <b>Chuck Buller</b>		No. of Containers: <b>3</b>	
SEQ. No.		SAMPLE No.			
DATE: <b>10/24/06</b>		TIME: <b>3:30</b>		REMARKS	
SAMPLE TYPE: <b>Water</b>		HEALTH/CHEMICAL HAZARDS			
RELINQUISHED BY: <i>[Signature]</i>		DATE: <b>10/23/06</b>		RECEIVED BY: <b>2</b>	
RELINQUISHED BY: <b>3</b>		TIME: <b>3:30</b>			
RELINQUISHED BY:		DATE:		RECEIVED BY:	
RELINQUISHED BY:		TIME:			
RELINQUISHED BY:		DATE:		RECEIVED BY:	
RELINQUISHED BY:		TIME:			
METHOD OF SHIPMENT: <b>FedEx</b>		WAY BILL No.		RECEIVED FOR LABORATORY BY: <i>[Signature]</i>	
White Yellow Pink Goldenrod		- Fully Executed Copy - Receiving Laboratory Copy - Shipper Copy - Sampler Copy			
TOTAL NUMBER OF CONTAINERS		NO N <b>4609</b>		1001 (D) APR 28/97 (NF) REV. 0 (F-15)	

Leo Brausch Consulting

Client Sample ID: KFF 1006

GC/MS Volatiles

Lot-Sample #...: C6J240292-001    Work Order #...: JG52D1AF    Matrix.....: WATER  
 Date Sampled...: 10/23/06    Date Received...: 10/24/06    MS Run #.....: 6299073  
 Prep Date.....: 10/25/06    Analysis Date...: 10/25/06  
 Prep Batch #...: 6298631    Analysis Time...: 23:27  
 Dilution Factor: 1  
 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.27
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.21
Toluene	ND	1.0	ug/L	0.18
Trichloroethene	ND	1.0	ug/L	0.22

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
4-Bromofluorobenzene	98	(70 - 118)
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	100	(71 - 118)
Dibromofluoromethane	108	(64 - 128)

Leo Brausch Consulting

Client Sample ID: EFF 1006

TOTAL Metals

Lot-Sample #...: C6J240292-001

Date Sampled...: 10/23/06

Date Received...: 10/24/06

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>
Prep Batch #...: 6300132						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	10/27-11/01/06	JG52D1AA
		Dilution Factor: 1		Analysis Time...: 15:56	MS Run #.....: 6300074	
		MDL.....: 0.31				
Chromium	ND	5.0	ug/L	MCAWW 200.7	10/27-11/01/06	JG52D1AC
		Dilution Factor: 1		Analysis Time...: 15:56	MS Run #.....: 6300074	
		MDL.....: 0.80				

Leo Brausch Consulting

Client Sample ID: EFF 1006

General Chemistry

Lot-Sample #...: C6J240292-001  
Date Sampled...: 10/23/06

Work Order #...: JG52D  
Date Received...: 10/24/06

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	MCAWW 150.1	10/25/06	6298308
			Dilution Factor: 1	Analysis Time...: 14:01	MS Run #.....: 6298199	
			MDL.....: --			
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/25-10/26/06	6298276
			Dilution Factor: 1	Analysis Time...: 00:00	MS Run #.....: 6298177	
			MDL.....: 3.4			

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C6J240292  
 MB Lot-Sample #: C6J250000-631

Work Order #...: JG84M1AA

Matrix.....: WATER

Analysis Date...: 10/25/06  
 Dilution Factor: 1

Prep Date.....: 10/25/06  
 Prep Batch #...: 6298631

Analysis Time...: 21:29

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
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
4-Bromofluorobenzene	97	(70 - 118)
1,2-Dichloroethane-d4	119	(64 - 135)
Toluene-d8	99	(71 - 118)
Dibromofluoromethane	108	(64 - 128)

**NOTE (S) :**

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



METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C6J240292

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> C6J270000-132 <b>Prep Batch #...</b> : 6300132						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	10/27-11/01/06	JHDMF1AA
		Dilution Factor: 1				
		Analysis Time...: 15:45				
Chromium	ND	5.0	ug/L	MCAWW 200.7	10/27-11/01/06	JHDMF1AC
		Dilution Factor: 1				
		Analysis Time...: 15:45				

**NOTE (S) :**

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C6J240292

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	10/25-10/26/06	6298276
		Work Order #: JG6771AA		MB Lot-Sample #: C6J250000-276		
		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 #...: C6J240292      Work Order #...: JG84M1AC      Matrix.....: WATER  
 LCS Lot-Sample#: C6J250000-631  
 Prep Date.....: 10/25/06      Analysis Date...: 10/25/06  
 Prep Batch #...: 6298631      Analysis Time...: 19:48  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
1,2-Dichlorobenzene	103	(63 - 137)	CFR136A 624
Benzene	101	(64 - 136)	CFR136A 624
Bromodichloromethane	110	(65 - 135)	CFR136A 624
Bromoform	95	(71 - 129)	CFR136A 624
Bromomethane	99	(14 - 186)	CFR136A 624
Carbon tetrachloride	107	(73 - 127)	CFR136A 624
Chloroethane	92	(38 - 162)	CFR136A 624
Chloroform	108	(67 - 133)	CFR136A 624
Chloromethane	90	(1.0- 204)	CFR136A 624
1,1-Dichloroethene	104	(50 - 150)	CFR136A 624
1,1-Dichloroethane	107	(72 - 128)	CFR136A 624
trans-1,2-Dichloroethene	104	(69 - 131)	CFR136A 624
1,2-Dichloroethene (total)	103	(69 - 131)	CFR136A 624
1,2-Dichloroethane	118	(68 - 132)	CFR136A 624
Methylene chloride	100	(60 - 140)	CFR136A 624
1,1,1-Trichloroethane	113	(75 - 125)	CFR136A 624
1,2-Dichloropropane	102	(34 - 166)	CFR136A 624
Tetrachloroethene	111	(73 - 127)	CFR136A 624
Toluene	103	(74 - 126)	CFR136A 624
cis-1,3-Dichloropropene	94	(24 - 176)	CFR136A 624
Trichloroethene	108	(66 - 134)	CFR136A 624
Dibromochloromethane	114	(67 - 133)	CFR136A 624
1,1,2-Trichloroethane	107	(71 - 129)	CFR136A 624
trans-1,3-Dichloropropene	93	(50 - 150)	CFR136A 624
1,1,2,2-Tetrachloroethane	102	(60 - 140)	CFR136A 624
Chlorobenzene	103	(66 - 134)	CFR136A 624
Ethylbenzene	104	(59 - 141)	CFR136A 624
Xylenes (total)	103	(37 - 162)	CFR136A 624
Dichlorodifluoromethane	57	(10 - 200)	CFR136A 624
Carbon disulfide	91	(35 - 150)	CFR136A 624
Vinyl chloride	84	(4.0- 196)	CFR136A 624
Styrene	102	(70 - 130)	CFR136A 624
Trichlorofluoromethane	106	(48 - 152)	CFR136A 624

(Continued on next page)

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

Client Lot #...: C6J240292  
 LCS Lot-Sample#: C6J250000-631

Work Order #...: JG84M1AC

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
<b>1,3-Dichlorobenzene</b>	<b>105</b>	<b>(73 - 127)</b>	<b>CFR136A 624</b>
<b>1,4-Dichlorobenzene</b>	<b>104</b>	<b>(63 - 137)</b>	<b>CFR136A 624</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	93	(70 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
Toluene-d8	88	(71 - 118)
Dibromofluoromethane	94	(64 - 128)

**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 #...: C6J240292

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> C6J270000-132 <b>Prep Batch #...</b> : 6300132					
Cadmium	104	(85 - 115)	MCAWW 200.7	10/27-11/01/06	JHDMF1AD
		Dilution Factor: 1		Analysis Time..: 15:50	
Chromium	103	(85 - 115)	MCAWW 200.7	10/27-11/01/06	JHDMF1AE
		Dilution Factor: 1		Analysis Time..: 15:50	

**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 #...: C6J240292

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	Work Order #: JG7E91AA (99 - 101)	LCS Lot-Sample#: C6J250000-308 MCAWW 150.1	10/25/06	6298308
		Dilution Factor: 1		Analysis Time..: 14:00	
Total Suspended Solids	93	Work Order #: JG6771AC (80 - 120)	LCS Lot-Sample#: C6J250000-276 MCAWW 160.2	10/25-10/26/06	6298276
		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

Client Lot #...: C6J240292      Work Order #...: JG52D1AH-MS      Matrix.....: WATER  
 MS Lot-Sample #: C6J240292-001      JG52D1AJ-MSD  
 Date Sampled...: 10/23/06      Date Received...: 10/24/06      MS Run #.....: 6299073  
 Prep Date.....: 10/25/06      Analysis Date...: 10/26/06  
 Prep Batch #...: 6298631      Analysis Time...: 10:35  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
1,2-Dichlorobenzene	99	(18 - 190)			CFR136A 624
	99	(18 - 190)	0.20	(0-40)	CFR136A 624
Benzene	96	(37 - 151)			CFR136A 624
	97	(37 - 151)	1.2	(0-40)	CFR136A 624
Bromodichloromethane	113	(35 - 155)			CFR136A 624
	115	(35 - 155)	1.4	(0-40)	CFR136A 624
Bromoform	97	(45 - 169)			CFR136A 624
	103	(45 - 169)	5.9	(0-43)	CFR136A 624
Bromomethane	107	(1.0- 242)			CFR136A 624
	104	(1.0- 242)	2.7	(0-40)	CFR136A 624
Carbon tetrachloride	109	(70 - 140)			CFR136A 624
	108	(70 - 140)	0.27	(0-40)	CFR136A 624
Chloroethane	97	(14 - 230)			CFR136A 624
	88	(14 - 230)	9.6	(0-40)	CFR136A 624
Chloroform	107	(51 - 138)			CFR136A 624
	105	(51 - 138)	1.7	(0-40)	CFR136A 624
Chloromethane	84	(1.0- 273)			CFR136A 624
	80	(1.0- 273)	3.7	(0-40)	CFR136A 624
1,1-Dichloroethene	98	(1.0- 234)			CFR136A 624
	95	(1.0- 234)	2.4	(0-40)	CFR136A 624
1,1-Dichloroethane	102	(59 - 155)			CFR136A 624
	102	(59 - 155)	0.04	(0-40)	CFR136A 624
trans-1,2-Dichloroethene	99	(69 - 138)			CFR136A 624
	100	(69 - 138)	0.60	(0-40)	CFR136A 624
1,2-Dichloroethene (total)	99	(69 - 138)			CFR136A 624
	100	(69 - 138)	0.55	(0-40)	CFR136A 624
1,2-Dichloroethane	116	(49 - 155)			CFR136A 624
	122	(49 - 155)	5.0	(0-40)	CFR136A 624
Methylene chloride	94	(1.0- 221)			CFR136A 624
	98	(1.0- 221)	4.6	(0-40)	CFR136A 624
1,1,1-Trichloroethane	111	(52 - 162)			CFR136A 624
	111	(52 - 162)	0.36	(0-40)	CFR136A 624
1,2-Dichloropropane	99	(1.0- 210)			CFR136A 624
	103	(1.0- 210)	3.6	(0-40)	CFR136A 624
Tetrachloroethene	105	(64 - 148)			CFR136A 624
	101	(64 - 148)	3.6	(0-40)	CFR136A 624
Toluene	95	(47 - 150)			CFR136A 624
	95	(47 - 150)	0.26	(0-40)	CFR136A 624

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C6J240292      Work Order #...: JG52D1AH-MS      Matrix.....: WATER  
 MS Lot-Sample #: C6J240292-001      JG52D1AJ-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	90	(1.0- 227)			CFR136A 624
	96	(1.0- 227)	6.5	(0-40)	CFR136A 624
Trichloroethene	104	(71 - 157)			CFR136A 624
	105	(71 - 157)	1.2	(0-40)	CFR136A 624
Dibromochloromethane	108	(53 - 149)			CFR136A 624
	114	(53 - 149)	5.1	(0-40)	CFR136A 624
1,1,2-Trichloroethane	100	(52 - 150)			CFR136A 624
	102	(52 - 150)	2.9	(0-40)	CFR136A 624
trans-1,3-Dichloropropene	90	(17 - 183)			CFR136A 624
	93	(17 - 183)	3.5	(0-40)	CFR136A 624
1,1,2,2-Tetrachloroethane	96	(46 - 157)			CFR136A 624
	96	(46 - 157)	0.36	(0-40)	CFR136A 624
Chlorobenzene	96	(37 - 160)			CFR136A 624
	96	(37 - 160)	0.0	(0-40)	CFR136A 624
Ethylbenzene	96	(37 - 162)			CFR136A 624
	96	(37 - 162)	0.26	(0-40)	CFR136A 624
Xylenes (total)	96	(37 - 162)			CFR136A 624
	95	(37 - 162)	1.2	(0-40)	CFR136A 624
Dichlorodifluoromethane	56	(10 - 200)			CFR136A 624
	56	(10 - 200)	0.98	(0-40)	CFR136A 624
Carbon disulfide	85	(35 - 150)			CFR136A 624
	83	(35 - 150)	2.3	(0-40)	CFR136A 624
Vinyl chloride	79	(1.0- 251)			CFR136A 624
	77	(1.0- 251)	2.9	(0-50)	CFR136A 624
Styrene	95	(70 - 130)			CFR136A 624
	96	(70 - 130)	0.94	(0-30)	CFR136A 624
Trichlorofluoromethane	105	(17 - 181)			CFR136A 624
	101	(17 - 181)	3.2	(0-40)	CFR136A 624
1,3-Dichlorobenzene	100	(59 - 156)			CFR136A 624
	99	(59 - 156)	1.4	(0-40)	CFR136A 624
1,4-Dichlorobenzene	100	(18 - 190)			CFR136A 624
	100	(18 - 190)	0.25	(0-40)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	80	(70 - 118)
1,2-Dichloroethane-d4	81	(70 - 118)
	103	(64 - 135)
	102	(64 - 135)
Toluene-d8	75	(71 - 118)
	74	(71 - 118)

(Continued on next page)



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C6J240292

Work Order #...: JG52D1AH-MS

Matrix.....: WATER

MS Lot-Sample #: C6J240292-001

JG52D1AJ-MSD

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Dibromofluoromethane	90	(64 - 128)
	89	(64 - 128)

**NOTE(S) :**

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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 #...: C6J240292

Matrix.....: WATER

Date Sampled...: 10/23/06

Date Received...: 10/24/06

<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 #: C6J240292-001 Prep Batch #...: 6300132</b>							
Cadmium	106	(70 - 130)			MCAWW 200.7	10/27-11/01/06	JG52D1AK
	105	(70 - 130)	0.64	(0-20)	MCAWW 200.7	10/27-11/01/06	JG52D1AL
			Dilution Factor: 1				
			Analysis Time...: 16:18				
			MS Run #.....: 6300074				
Chromium	104	(70 - 130)			MCAWW 200.7	10/27-11/01/06	JG52D1AM
	103	(70 - 130)	0.68	(0-20)	MCAWW 200.7	10/27-11/01/06	JG52D1AN
			Dilution Factor: 1				
			Analysis Time...: 16:18				
			MS Run #.....: 6300074				

**NOTE(S) :**

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

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: C6J240292

Work Order #....: JG4K9-SMP  
JG4K9-DUP

Matrix.....: WATER

Date Sampled....: 10/23/06

Date Received...: 10/24/06

<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>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Solids	15.6	16.4	mg/L	5.0	(0-20)	MCAWW 160.2	10/25-10/26/06	6298276
			Dilution Factor: 1			Analysis Time...: 00:00	MS Run Number...: 6298177	
						SD Lot-Sample #: C6J240131-004		

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: C6J240292

Work Order #...: JG52D-SMP  
JG52D-DUP

Matrix.....: WATER

Date Sampled...: 10/23/06

Date Received...: 10/24/06

<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	7.0	7.1	No Units	1.6	(0-2.0)	MCAWW 150.1	10/25/06	6298308
			Dilution Factor: 1			Analysis Time..: 14:01	MS Run Number...: 6298199	
						SD Lot-Sample #: C6J240292-001		