CBS Corporation

Environmental Remediation
PNC Center
20 Stanwix Street, 10th Floor
Pittsburgh, PA 15222

Via Electronic and First-Class Mail
April 11, 2011

David P. Locey
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. Locey:

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 status report for 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 pursuant to the Order. This report addresses activities conducted in March 2011 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

A. On March 8, 2011, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for February 2011. That status report also transmitted the discharge monitoring data for February 2011.

B. On behalf of CBS, Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M, and TestAmerica Laboratories, Inc. provided required analytical laboratory services.

C. The recovery and treatment system operated over the period of March 1 through March 28, 2011 when the main treatment pump failed. This pump was replaced on March 30, 2011 at which time plant operations were resumed.

2. Sampling Results and Other Site Data

A. In March 2011, the groundwater system recovered and treated an estimated 62,000 gallons.

B. Attachment A provides the discharge monitoring report for March 2011 based on the effluent sample collected on March 30, 2011. Attachment B provides the analytical laboratory report for this effluent sample.

C. In reviewing the treatment system effluent monitoring information, please note the following:

- Flow data are provided via periodic on-site readings. The maximum daily flow was calculated from these data.

- The pH data are provided via periodic on-site readings and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.

- The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.

D. For the March 2011 reporting period, the effluent complied with all discharge limitations.

E. Table 1 presents the results of influent sampling and includes the data from the most recent influent sample collected on March 30, 2011. No flow was observed from Sump 001 at the time of sampling. Accordingly, this latest influent sample is a composite of the influent from the 002 and 003 portions of the system only. Attachment B includes the analytical laboratory report for this influent sample.

3. Upcoming Activities

A. CBS will continue required O&M activities.

B. With NYSDEC approval, CBS will complete the Phase 1 closure of the 002 system by filling and sealing manholes MH-002-09 and MH-002-10.

C. After closing MH-002-09, and MH-002-10, CRA will conduct additional water level measurements, surface water monitoring, and groundwater monitoring per the *Revised Work Plan* (Rev. 1, November 7, 2008).

4. Operational Problems

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

B. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system has addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed through the partial closure of that portion of the groundwater collection system.

C. The Phase 1 closure of the 002 system is also expected to reduce the conveyance of groundwater containing volatile organic compounds via storm sewers installed by the Niagara Frontier Transportation Authority as part of airport development.

D. Other operational issues are being addressed in the course of O&M activities.

* * * *

Please contact me if you have questions regarding this status report.

Very truly yours,

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
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
08/21/00	Composite	200 U	200 U	200 U	**3,100**	200 U	**1.5**	NA
08/29/00	Composite	200 U	200 U	200 U	**8,500**	200 U	**0.7**	NA
09/06/00	Composite	200 U	200 U	200 U	**4,100**	200 U	0.7 U	NA
09/13/00	Composite	400 U	400 U	400 U	**9,600**	400 U	**1.6**	NA
09/20/00	Composite	**54 J**	100 U	100 U	**2,500**	100 U	0.6 U	NA
09/27/00	Composite	100 U	100 U	100 U	**2,200**	100 U	**0.68 B**	NA
10/04/00	Composite	**60 J**	100 U	100 U	**2,500**	100 U	**0.69 B**	NA
10/10/00	Composite	**23 J**	25 U	25 U	**430**	25 U	0.5 U	NA
03/29/01	Composite	**9.1 J**	10 U	**1.4 J**	**16**	10 U	**1.5**	2.5 U
06/26/01	001	**25**	4.5 U	**0.9 J**	**37**	4.5 U	**448**	NA
06/26/01	002	**16**	4.5 U	**2.3 J**	**280**	4.5 U	3.0 U	NA
06/26/01	003	**510**	4.5 U	**4.5 J**	**1,700**	4.5 U	3.0 U	NA
09/29/01	Comp - Perm	**18**	25 U	**4 J**	**8.3 J**	10 U	0.25 U	**7.4**
09/29/01	Comp - Temp	**14 J**	25 U	25 U	**350**	25 U	0.25 U	**8.7**
12/21/01	Composite	**14**	10 U	10 U	**130**	10 U	**1.7**	4.1 U
03/14/02	Composite	**18**	10 U	10 U	**130**	10 U	**0.29**	**4.5**
10/15/02	Composite	**11.3**	**530**	**9.0**	**990**	**16**	5 U	NA
12/15/02	Composite	**7.3**	**19**	**0.16**	**46**	**1.3**	**8.4**	50 U
03/15/03	Composite	**7.8**	**14**	**1.0**	**29**	NA	**21**	3 U
06/11/03	Composite	**11.0**	**130**	**64**	**570**	25 U	**4.2**	**5.5**
09/09/03	Composite	**8.6**	**290**	25 U	**620**	**15**	**3.0**	**3.5**
12/10/03	Composite	**8.6**	**54**	25 U	**430**	25 U	**2.5**	**3.0**
03/12/04	Composite	**7.7**	**51**	2.0 U	**3.9**	2.0 U	**1.4**	**1.6**
06/09/04	Composite	**8.3**	**54**	40 U	**650**	40 U	**1.8**	**6.8**

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
09/13/04	Composite	**10.3**	**98**	10 U	**250**	10 U	**1.8**	**2.2**
12/13/04	Composite	**140**	**4.4 J**	20 U	**470**	20 U	**0.81 B**	**1.6 B**
03/23/05	Composite	**46**	15 U	15 U	**250**	15 U	**2.1 B**	1.5 U
06/09/05	Composite	**100**	15 U	15 U	**1,200**	**5.4 J**	**1.2 B**	3.0 U
10/03/05	Composite	**26**	1.0 U	**2.0**	**8.6**	**11**	5.0 U	3.0 U
12/16/05	Composite	**34**	5.0 U	5.0 U	**140**	**3.5 J**	**0.68 B**	3.0 U
03/13/06	Composite	**36**	10 U	10 U	**190**	**2.6 J**	**0.95 B**	**2.0 B**
05/09/06	Composite	**87**	10 U	10 U	**710**	**5.6 J**	**1.0 B**	3.0 U
06/12/06	Composite	**72**	3.3 U	3.3 U	**190**	**4.0 J**	**0.72 B**	3.0 U
09/11/06	Composite	**16**	5.0 U	5.0 U	**85**	5 U	**0.47 B**	**2.0 B**
12/11/06	Composite	**14**	5.0 U	5.0 U	**71**	**1.8 J**	5.0 U	3.0 U
03/22/07	Composite	**32**	5.0 U	**2.7 J**	**130**	**4.6 J**	**1.2 B**	3.0 U
06/20/07	Composite	**31**	**0.45 J**	**0.76 J**	**210**	**1.7 J**	**0.44 B**	3.0 U
09/17/07	Composite	**89**	20 U	20 U	**730**	**7.0 J**	5.0 U	3.0 U
12/18/07	Composite	**18**	2.0 U	2.0 U	**90**	**1.5 J**	5.0 U	3.0 U
03/19/08	Composite	**12**	**0.38 J**	**1.0 J**	**120**	**1.2 J**	5.0 U	3.0 U
06/17/08	Composite	**20**	4.0 U	4.0 U	**190**	**2.3 J**	5.0 U	3.0 U
09/18/08	Composite	**20**	2.0 U	2.0 U	**180**	**4.4**	5.0 U	3.0 U
12/18/08	Composite	**19**	**0.17 J**	2.0 U	**98**	**2.8**	5.0 U	3.0 U
03/30/09	Composite	**5.2**	1.0 U	1.0 U	**73**	**1.6**	5.0 U	3.0 U
06/12/09	Composite	**18**	5.0 U	**1.1 J**	**180**	**2.5 J**	5.0 U	3.0 U
09/30/09	Composite (002 & 003)	**43**	10 U	10 U	**310**	**4.4 J**	**0.85 B**	3.0 U
12/29/09	Composite (002 & 003)	**19**	2.0 U	**0.51 J**	**120**	**1.1 J**	**0.56 B**	**1.9 B**

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/17/10	Composite (002 & 003)	**13**	**0.29 J**	**0.56 J**	**93**	**2.2**	5.0 U	**1.8 B**
06/30/10	Composite (002 & 003)	**24**	3.3 U	3.3 U	**310**	**1.2 J**	5.0 U	5.0 U
09/28/10	Composite (002 & 003)	**18**	2.0 U	2.0 U	**140**	**0.77 J**	5.0 U	5.0 U
01/19/11	Composite (002 & 003)	**79**	5.0 U	5.0 U	**340**	**6.3**	5.0 U	3.0 U
03/30/11	Composite (002 & 003)	**76**	5.0 U	5.0 U	**180**	**3.7 J**	5.0 U	15 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
MARCH 2011

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

Reporting Month & Year **Mar-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		**11,899**	**gpd**		**Continuous**	**Meter**
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	**6.57**	**7.00**	**s.u.**		**7**	**Grab**
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		**11.2**	**mg/L**	**1.11**	**1**	**Grab**
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00010**	**1**	**Grab**
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		**< 0.15**	**ug/L**	**< 0.000015**	**1**	**Grab**
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		**21.4**	**ug/L**	**0.00212**	**1**	**Grab**
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B

ANALYTICAL LABORATORY REPORT
MARCH 2011 INFLUENT AND EFFLUENT SAMPLING

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C1C310583

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

April 7, 2011

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
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture	(#P330-10-00139)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW HW	X X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW --	X --
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X 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: 05/19/10 N:\Reporting\NELAC NARRATIVE Pttsburgh_Updated 051910.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C1C310583

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on March 31, 2011. 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):
TestAmerica's North Canton laboratory performed the 624 analysis.

Due to the concentration of target compounds detected and/or matrix interference, sample INF-0311 was analyzed at a dilution.

Metals:
Sample INF-0311 was analyzed at dilutions for lead. This analyte is reported from the Trace ICP, for which an internal standard, indium is added to all standards and samples during analysis. The indium counts in this sample was outside of QC criteria (70-130% of the yttrium counts in the ICB), therefore, the sample was diluted for analysis.

The method blank had lead detected at a concentration between the MDL and the reporting limit. The result was flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

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

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
Niagara Falls, NY

SHIPPED TO (Laboratory Name): Test America Pittsburgh, PA

REFERENCE NUMBER: 18036
CBS. ~~Vincon~~ Buffalo Airport Quarterly Samples

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Kevin Lynch

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs (HCl)	Cd, Cr, Pb (HNO3)	pH	Cd, Cr (HNO3)	pH + TSS					REMARKS
	3/30/11	1000	INF-0311	Water	5	3	1	1	—	—					
	3/30/11	1005	EFF-0311	Water	5	3	—	—	1	1					
			Temp blank												

TOTAL NUMBER OF CONTAINERS: 10 | HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① [signature]	DATE: 3/30/11 TIME: 1100 *	RECEIVED BY: ① [signature]	DATE: 3/31/11 TIME: 1130
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fedex   WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: Lynch, Bolker

RECEIVED FOR LABORATORY BY:
DATE: TIME:

Nº CRA 17347

1001 (D) APR 28/97(NF) REV. 0 (F-15)

* Cooler Sealed

METHODS SUMMARY

C1C310583

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	SM20 4500-H+B	SM20 4500-H B
Purgeables	CFR136A 624	SW846 5030B
Total Suspended Solids SM 2540 D	SM20 2540D	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

C1C310583

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MGFME	001	INF-0311	03/30/11	10:00
MGFMK	002	EFF-0311	03/30/11	10:05

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: INF-0311

GC/MS Volatiles

Lot-Sample #...: C1C310583-001 **Work Order #...:** MGFME1AE **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11 **MS Run #.....:** 1095161
Prep Date.....: 04/05/11 **Analysis Date..:** 04/05/11
Prep Batch #...: 1095352 **Analysis Time..:** 11:27
Dilution Factor: 5

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichlorobenzene	ND	5.0	ug/L	0.65
cis-1,2-Dichloroethene	**76**	**5.0**	**ug/L**	**0.85**
Methylene chloride	ND	5.0	ug/L	1.6
Tetrachloroethene	**3.4 J**	**5.0**	**ug/L**	**1.4**
Toluene	ND	5.0	ug/L	0.65
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
Trichloroethene	**180**	**5.0**	**ug/L**	**0.85**
Vinyl chloride	**3.7 J**	**5.0**	**ug/L**	**1.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF-0311

GC/MS Volatiles

Lot-Sample #...: C1C310583-002 **Work Order #...:** MGFMK1AD **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11 **MS Run #.....:** 1095161
Prep Date.....: 04/05/11 **Analysis Date..:** 04/05/11
Prep Batch #...: 1095352 **Analysis Time..:** 00:49
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(80 - 125)
Toluene-d8	101	(84 - 110)
Bromofluorobenzene	85	(81 - 112)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C1C310583 **Work Order #...:** MGKWC1AA **Matrix.....:** WATER
MB Lot-Sample #: A1D050000-352
Prep Date.....: 04/04/11 **Analysis Time..:** 14:01
Analysis Date..: 04/04/11 **Prep Batch #...:** 1095352
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(80 - 125)
Toluene-d8	100	(84 - 110)
Bromofluorobenzene	88	(81 - 112)

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 #...: C1C310583 **Work Order #...:** MGKWC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1D050000-352
Prep Date.....: 04/04/11 **Analysis Date..:** 04/04/11
Prep Batch #...: 1095352 **Analysis Time..:** 13:37
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**103**	**(37 - 151)**	**CFR136A 624**
Bromodichloromethane	**95**	**(35 - 155)**	**CFR136A 624**
Bromoform	**75**	**(45 - 169)**	**CFR136A 624**
Bromomethane	**94**	**(10 - 242)**	**CFR136A 624**
Carbon tetrachloride	**89**	**(70 - 140)**	**CFR136A 624**
Chlorobenzene	**101**	**(37 - 160)**	**CFR136A 624**
Chloroethane	**98**	**(14 - 230)**	**CFR136A 624**
2-Chloroethyl vinyl ether	**92**	**(10 - 305)**	**CFR136A 624**
Chloroform	**102**	**(51 - 138)**	**CFR136A 624**
Chloromethane	**89**	**(10 - 273)**	**CFR136A 624**
Dibromochloromethane	**84**	**(53 - 149)**	**CFR136A 624**
1,3-Dichlorobenzene	**98**	**(59 - 156)**	**CFR136A 624**
1,4-Dichlorobenzene	**96**	**(18 - 190)**	**CFR136A 624**
1,1-Dichloroethane	**108**	**(59 - 155)**	**CFR136A 624**
1,2-Dichloroethane	**104**	**(49 - 155)**	**CFR136A 624**
1,1-Dichloroethene	**106**	**(10 - 234)**	**CFR136A 624**
trans-1,2-Dichloroethene	**104**	**(54 - 156)**	**CFR136A 624**
1,2-Dichloropropane	**107**	**(10 - 210)**	**CFR136A 624**
cis-1,3-Dichloropropene	**97**	**(10 - 227)**	**CFR136A 624**
trans-1,3-Dichloropropene	**114**	**(17 - 183)**	**CFR136A 624**
Ethylbenzene	**108**	**(37 - 162)**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	**97**	**(46 - 157)**	**CFR136A 624**
1,1,2-Trichloroethane	**105**	**(52 - 150)**	**CFR136A 624**
Trichlorofluoromethane	**104**	**(17 - 181)**	**CFR136A 624**
1,2-Dichlorobenzene	**95**	**(18 - 190)**	**CFR136A 624**
Methylene chloride	**96**	**(10 - 221)**	**CFR136A 624**
Tetrachloroethene	**111**	**(64 - 148)**	**CFR136A 624**
Toluene	**109**	**(47 - 150)**	**CFR136A 624**
1,1,1-Trichloroethane	**94**	**(52 - 162)**	**CFR136A 624**
Trichloroethene	**97**	**(71 - 157)**	**CFR136A 624**
Vinyl chloride	**97**	**(10 - 251)**	**CFR136A 624**

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C1C310583 **Work Order #...:** MGKWC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1D050000-352

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(80 - 125)
Toluene-d8	105	(84 - 110)
Bromofluorobenzene	98	(81 - 112)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C1C310583 **Work Order #...:** MGFVG1AD **Matrix.....:** WATER
MS Lot-Sample #: A1C310605-040
Date Sampled...: 03/31/11 **Date Received..:** 03/31/11
Prep Date.....: 04/05/11 **Analysis Date..:** 04/05/11
Prep Batch #...: 1095352 **MS Run #.....:** 1095161
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**103**	**(90 - 114)**	**CFR136A 624**
Bromodichloromethane	**81**	**(78 - 123)**	**CFR136A 624**
Bromoform	**51**	**(40 - 141)**	**CFR136A 624**
Bromomethane	**89**	**(42 - 160)**	**CFR136A 624**
Carbon tetrachloride	**74**	**(61 - 129)**	**CFR136A 624**
Chlorobenzene	**97**	**(90 - 113)**	**CFR136A 624**
Chloroethane	**95**	**(56 - 133)**	**CFR136A 624**
2-Chloroethyl vinyl ether	**0.0 a**	**(10 - 185)**	**CFR136A 624**
Chloroform	**104**	**(90 - 118)**	**CFR136A 624**
Chloromethane	**83**	**(37 - 127)**	**CFR136A 624**
Dibromochloromethane	**64 a**	**(65 - 123)**	**CFR136A 624**
1,3-Dichlorobenzene	**94**	**(90 - 111)**	**CFR136A 624**
1,4-Dichlorobenzene	**92**	**(90 - 112)**	**CFR136A 624**
1,1-Dichloroethane	**107**	**(90 - 114)**	**CFR136A 624**
1,2-Dichloroethane	**106**	**(90 - 123)**	**CFR136A 624**
1,1-Dichloroethene	**99**	**(83 - 129)**	**CFR136A 624**
trans-1,2-Dichloroethene	**101**	**(85 - 116)**	**CFR136A 624**
1,2-Dichloropropane	**104**	**(87 - 119)**	**CFR136A 624**
cis-1,3-Dichloropropene	**82**	**(77 - 115)**	**CFR136A 624**
trans-1,3-Dichloropropene	**96**	**(71 - 114)**	**CFR136A 624**
Ethylbenzene	**101**	**(88 - 111)**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	**102**	**(77 - 133)**	**CFR136A 624**
1,1,2-Trichloroethane	**108**	**(89 - 123)**	**CFR136A 624**
Trichlorofluoromethane	**94**	**(62 - 110)**	**CFR136A 624**
1,2-Dichlorobenzene	**95**	**(90 - 115)**	**CFR136A 624**
Methylene chloride	**95**	**(78 - 131)**	**CFR136A 624**
Tetrachloroethene	**98**	**(81 - 112)**	**CFR136A 624**
Toluene	**108**	**(87 - 112)**	**CFR136A 624**
1,1,1-Trichloroethane	**86**	**(82 - 119)**	**CFR136A 624**
Trichloroethene	**96**	**(85 - 114)**	**CFR136A 624**
Vinyl chloride	**91**	**(50 - 119)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(80 - 125)
Toluene-d8	106	(84 - 110)
Bromofluorobenzene	96	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C1C310583 **Work Order #...:** MGFVG1AD **Matrix.....:** WATER
MS Lot-Sample #: A1C310605-040

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Leo Brausch Consulting

Client Sample ID: INF-0311

TOTAL Metals

Lot-Sample #...: C1C310583-001 **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1091340						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	04/01-04/04/11	MGFME1AA
		Dilution Factor: 1		Analysis Time..: 16:40	MS Run #.....: 1091182	
		MDL.....: 0.15				
Chromium	**11.4**	**5.0**	**ug/L**	**MCAWW 200.7**	**04/01-04/04/11**	**MGFME1AD**
		Dilution Factor: 1		Analysis Time..: 16:40	MS Run #.....: 1091182	
		MDL.....: 0.51				
Lead	ND	15.0	ug/L	MCAWW 200.7	04/01-04/05/11	MGFME1AC
		Dilution Factor: 5		Analysis Time..: 10:26	MS Run #.....: 1091182	
		MDL.....: 6.2				

Leo Brausch Consulting

Client Sample ID: EFF-0311

TOTAL Metals

Lot-Sample #...: C1C310583-002 **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1091340						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	04/01-04/04/11	MGFMK1AA
		Dilution Factor: 1		Analysis Time..: 16:56	MS Run #.....: 1091182	
		MDL.....: 0.15				
Chromium	**21.4**	**5.0**	**ug/L**	**MCAWW 200.7**	**04/01-04/04/11**	**MGFMK1AC**
		Dilution Factor: 1		Analysis Time..: 16:56	MS Run #.....: 1091182	
		MDL.....: 0.51				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C1C310583 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C1D010000-340 **Prep Batch #...:** 1091340						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	04/01-04/04/11	MGHA71AR
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Chromium	ND	5.0	ug/L	MCAWW 200.7	04/01-04/04/11	MGHA71AU
		Dilution Factor: 1				
		Analysis Time..: 14:56				
Lead	**1.3 B**	**3.0**	**ug/L**	**MCAWW 200.7**	**04/01-04/04/11**	**MGHA71A1**
		Dilution Factor: 1				
		Analysis Time..: 14:56				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1C310583 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C1D010000-340 **Prep Batch #...:** 1091340					
Cadmium	102	(85 - 115)	MCAWW 200.7	04/01-04/04/11	MGHA71CK
		Dilution Factor: 1	Analysis Time..: 15:01		
Chromium	103	(85 - 115)	MCAWW 200.7	04/01-04/04/11	MGHA71CM
		Dilution Factor: 1	Analysis Time..: 15:01		
Lead	107	(85 - 115)	MCAWW 200.7	04/01-04/04/11	MGHA71CT
		Dilution Factor: 1	Analysis Time..: 15:01		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1C310583 **Matrix.....:** WATER
Date Sampled...: 03/29/11 **Date Received..:** 03/30/11

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C1C300432-001 **Prep Batch #...:** 1091340							
Cadmium	96	(70 - 130)			MCAWW 200.7	04/01-04/04/11	MGCK61EA
	98	(70 - 130)	1.2	(0-20)	MCAWW 200.7	04/01-04/04/11	MGCK61EC
		Dilution Factor: 1					
		Analysis Time..: 15:16					
		MS Run #.....: 1091182					
Chromium	96	(70 - 130)			MCAWW 200.7	04/01-04/04/11	MGCK61EF
	93	(70 - 130)	2.8	(0-20)	MCAWW 200.7	04/01-04/04/11	MGCK61EG
		Dilution Factor: 1					
		Analysis Time..: 15:16					
		MS Run #.....: 1091182					
Lead	100	(70 - 130)			MCAWW 200.7	04/01-04/04/11	MGCK61ER
	102	(70 - 130)	1.8	(0-20)	MCAWW 200.7	04/01-04/04/11	MGCK61ET
		Dilution Factor: 1					
		Analysis Time..: 15:16					
		MS Run #.....: 1091182					

NOTE(S):

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

Leo Brausch Consulting

Client Sample ID: INF-0311

General Chemistry

Lot-Sample #...: C1C310583-001 **Work Order #...:** MGFME **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**10.9**	--	--	**SM20 4500-H+B**	**04/02/11**	**1092058**

Dilution Factor: 1 Analysis Time..: 14:38 MS Run #.....: 1092035
MDL.....: 0.0

Leo Brausch Consulting

Client Sample ID: EFF-0311

General Chemistry

Lot-Sample #...: C1C310583-002 **Work Order #...:** MGFMK **Matrix.....:** WATER
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**7.0**	--	--	**SM20 4500-H+B**	**04/02/11**	**1092058**
		Dilution Factor: 1		Analysis Time..: 14:40	MS Run #.....: 1092035	
		MDL.....: 0.0				
Total Suspended Solids	**11.2**	**4.0**	**mg/L**	**SM20 2540D**	**04/01-04/02/11**	**1091178**
		Dilution Factor: 1		Analysis Time..: 08:20	MS Run #.....: 1091130	
		MDL.....: 2.0				

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C1C310583 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: MGGQ51AA		MB Lot-Sample #:	C1D010000-178	
	ND	4.0	mg/L	SM20 2540D	04/01-04/02/11	1091178
		Dilution Factor: 1				
		Analysis Time..: 08:20				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C1C310583 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: MGHLJ1AA	LCS Lot-Sample#: C1D020000-058		
	99	(99 - 101)	SM20 4500-H+B	04/02/11	1092058
		Dilution Factor: 1	Analysis Time..: 14:36		
Total Suspended Solids		Work Order #: MGGQ51AC	LCS Lot-Sample#: C1D010000-178		
	87	(80 - 120)	SM20 2540D	04/01-04/02/11	1091178
		Dilution Factor: 1	Analysis Time..: 08:20		

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C1C310583 **Work Order #...:** MGFMK-SMP **Matrix.....:** WATER
MGFMK-DUP
Date Sampled...: 03/30/11 **Date Received..:** 03/31/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: C1C310583-002		
	11.2	10.4	mg/L	7.4	(0-20)	SM20 2540D	04/01-04/02/11	1091178

Dilution Factor: 1 Analysis Time..: 08:20 MS Run Number..: 1091130

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C1C310583 **Work Order #...:** MGHGR-SMP MGHGR-DUP **Matrix.....:** WATER

Date Sampled...: 04/01/11 **Date Received..:** 04/02/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: C1D020414-001		
	8.1	8.0	--	0.25	(0-2.0)	SM20 4500-H+B	04/02/11	1092058

Dilution Factor: 1 Analysis Time..: 14:44 MS Run Number..: 1092035