CBS Corporation

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

Via Electronic and First-Class Mail
May 12, 2011

Mr. David P. Locey
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. 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 covers activities during April 2011 and transmits the discharge monitoring report for this reporting period.

1. Site Activities and Status

A. On April 11, 2011, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for the March 2011 operating period. That status report also transmitted the discharge monitoring data for March 2011.

B. The recovery and treatment system operated throughout April 2011.

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

2. Sampling Results and Other Site Data

A. In April 2011, the groundwater system recovered and treated an estimated 343,000 gallons.

B. Attachment A provides the discharge monitoring report for April 2011 based on the effluent sample collected on April 28, 2011, and Attachment B includes the analytical laboratory report for this effluent sample.

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

- The flow data are provided via 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 (interpolated) 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 2011 reporting period, the effluent sampling results complied with all discharge limitations except for pH. The pH reading taken on April 28, 2011 was 6.47, compared to the lower pH limit of 6.5. Overall, the mean pH recorded during the April 2011 reporting period (six on-site readings and one laboratory analysis) was 7.08.

E. Table 1 presents the results of quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most recent sample collected on March 24, 2011. Attachment C includes the analytical laboratory report for this monitoring well sample.

F. Figure 1 shows the relationship between target volatile organic compound (VOC) concentrations over time at well MW-32. As shown in Figure 1, total target VOC concentrations have decreased significantly at well MW-32 following the in situ chemical oxidation treatment that was conducted after the source removal specified in the March 1995 Record of Decision failed to result in low residual VOC concentrations at this well.

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, pH control, 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. Previously reported operational problems associated system inflows are lessening with the minimal flows associated with Sump 001 now that the 001 portion of the groundwater collection system has been partially closed.

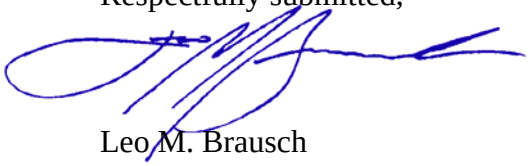
C. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system has addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed through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

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

* * * *

We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:
Attachments

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

TABLE

Table 1
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
05/11/00	**1,500**	5 U	5 U	**3,700**	**540**	1.0 U	3.0 U
12/01/00	**2,200**	5 U	5 U	**1,200**	**110**	1.0 U	10 U
12/01/00 (Dup)	**2,300**	10 U	10 U	**1,900**	**230 J**	NA	NA
03/30/01	**1,600**	100 U	100 U	**650**	**340**	0.41 U	2.47 U
03/30/01 (Dup)	**1,500**	100 U	100 U	**610**	**310**	0.41 U	2.47 U
06/21/01	**2,800**	250 U	250 U	**4,100**	**890**	0.85 U	1.21 U
06/21/01 (Dup)	**2,700**	250 U	250 U	**4,000**	**830**	0.85 U	1.21 U
09/13/01	**4,000**	250 U	250 U	**2,900**	**1,000**	**0.70 B**	2.1 U
09/13/01 (Dup)	**4,100**	250 U	250 U	**2,800**	**1,100**	**0.83 B**	2.8 U
12/13/01	**2,300**	200 U	200 U	**2,500**	**590**	0.44 U	3.7 U
12/31/01 (Dup)	**2,200**	200 U	200 U	**2,400**	**560**	0.44 U	2.0 U
03/14/02	**560**	250 U	250 U	**730**	**98**	0.17 U	2.03 U
03/14/02 (Dup)	**570**	250 U	250 U	**710**	**100**	0.17 U	2.03 U
07/10/02	**1,200**	NA	NA	**2,000**	**190**	NA	NA
12/31/02	**480**	NA	50 U	**530**	**66**	**0.34 B**	**4.9**
12/31/02 (Dup)	**510**	NA	50 U	**580**	**77**	0.29 U	**4.7**
03/29/03	**1,000**	80 U	80 U	**740**	**150**	5.0 U	3.0 U
06/17/03	**1,100**	200 U	200 U	**2,400**	**130 J**	**0.34 B**	**4.9**
06/17/03 (Dup)	**1,100**	100 U	100 U	**1,700**	**110**	5.0 U	3.0 U
09/26/03	**2,800**	100 U	100 U	**8,100**	**310 J**	5.0 U	3.0 U
12/22/03	**1,000**	100 U	100 U	**1,300**	**97 J**	0.38 U	**1.1 B**
03/29/04	**460**	10 U	10 U	**570**	**20 J**	0.37 U	1.4 U
06/30/04	**620**	200 U	200 U	**1,900**	200 U	0.29 U	1.5 U
09/13/04	**2,100**	200 U	200 U	**2,900**	**130 J**	5.0 U	**1.8 B**
12/17/04	**640**	10 U	10 U	**420**	**45**	5.0 U	3.0 U
12/17/04 (Dup)	**760**	50 U	50 U	**790**	**50 J**	5.0 U	**2.3 B**
03/31/05	**570**	50 U	50 U	**680**	**49 J**	5.0 U	3.0 U
06/22/05	**540**	10 U	10 U	**810**	**100**	5.0 U	3.0 U
06/22/05 (Dup)	**1,100**	100 U	100 U	**880**	**140**	5.0 U	3.0 U
09/09/05	**1,400**	330 U	330 U	**1,700**	**96 J**	5.0 U	3.0 U
12/14/05	**900**	10 U	10 U	**700**	**56**	5.0 U	3.0 U
12/14/05 (Dup)	**1,200**	100 U	100 U	**750**	**68 J**	5.0 U	3.0 U

Table 1
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/06	**350**	30 U	30 U	**290**	**36**	5.0 U	3.0 U
06/13/06	**410**	50 U	50 U	**440**	**13 J**	5.0 U	3.0 U
06/13/06 (Dup)	**540**	50 U	50 U	**880**	**51**	5.0 U	3.0 U
09/11/06	**1,400**	150 U	150 U	**2,000**	**85 J**	**0.34 B**	**4.9**
12/12/06	**290**	40 U	40 U	**67**	**42 J**	5.0 U	**1.2 B**
12/12/06 (Dup)	**590**	50 U	50 U	**240**	**75 J**	5.0 U	**3.1**
03/27/07	**380**	10 U	10 U	**22**	**36 J**	5.0 U	**2.4 B**
06/26/07	**1,700**	150 U	150 U	**23 J**	**710**	5.0 U	**1.5 B**
09/17/07	**2,500**	150 U	150 U	**410**	**140**	5.0 U	**1.5 B**
12/19/07	**1,500**	150 U	150 U	**160**	**200**	**0.29 B**	**3.0**
12/19/07 (Dup)	**1,500**	100 U	100 U	**170**	**200**	5.0 U	3.0 U
03/19/08	**530**	40 U	40 U	**110**	**53**	**0.38 B**	**2.2 B**
06/26/08	**520**	50 U	50 U	**310**	**27 J**	5.0 U	1.4 U
09/30/08	**420**	50 U	50 U	**120**	**48**	5.0 U	1.4 U
12/11/08	**200**	20 U	20 U	**200**	**9.9 J**	5.0 U	**5.4**
12/11/08 (Dup)	**170**	10 U	10 U	**180**	**9.0 J**	5.0 U	**3.5**
03/05/09	**280**	20 U	20 U	**170**	**25**	**0.090 B**	**4.1**
06/22/09	**430**	40 U	40 U	**590**	**22 J**	5.0 U	**1.6 B**
06/22/09 (Dup)	**410**	40 U	40 U	**540**	**24 J**	5.0 U	**3.4**
09/10/09	**320**	25 U	25 U	**330**	**26**	5.0 U	**3.8**
12/07/09	**390**	50 U	50 U	**370**	**17 J**	5.0 U	**2.5 B**
12/07/09 (Dup)	**380**	50 U	50 U	**370**	**16 J**	5.0 U	**1.1 B**
03/22/10	**360**	25 U	25 U	**160**	**25 J**	5.0 U	**3.1**
06/14/10	**260**	20 U	20 U	**250**	**18 J**	5.0 U	**2.5 B**
09/03/10	**240**	20 U	20 U	**240**	**17 J**	5.0 U	3.0 U
12/21/10	**400**	50 U	50 U	**290**	**22 J**	5.0 U	3.0 U
03/24/11	**210**	20 U	20 U	**130**	**11 J**	5.0 U	3.0 U

Data Legend :

"NA" - indicates not analyzed

Detections and estimated values are in ***bold-face*** *type.*

Organic data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration

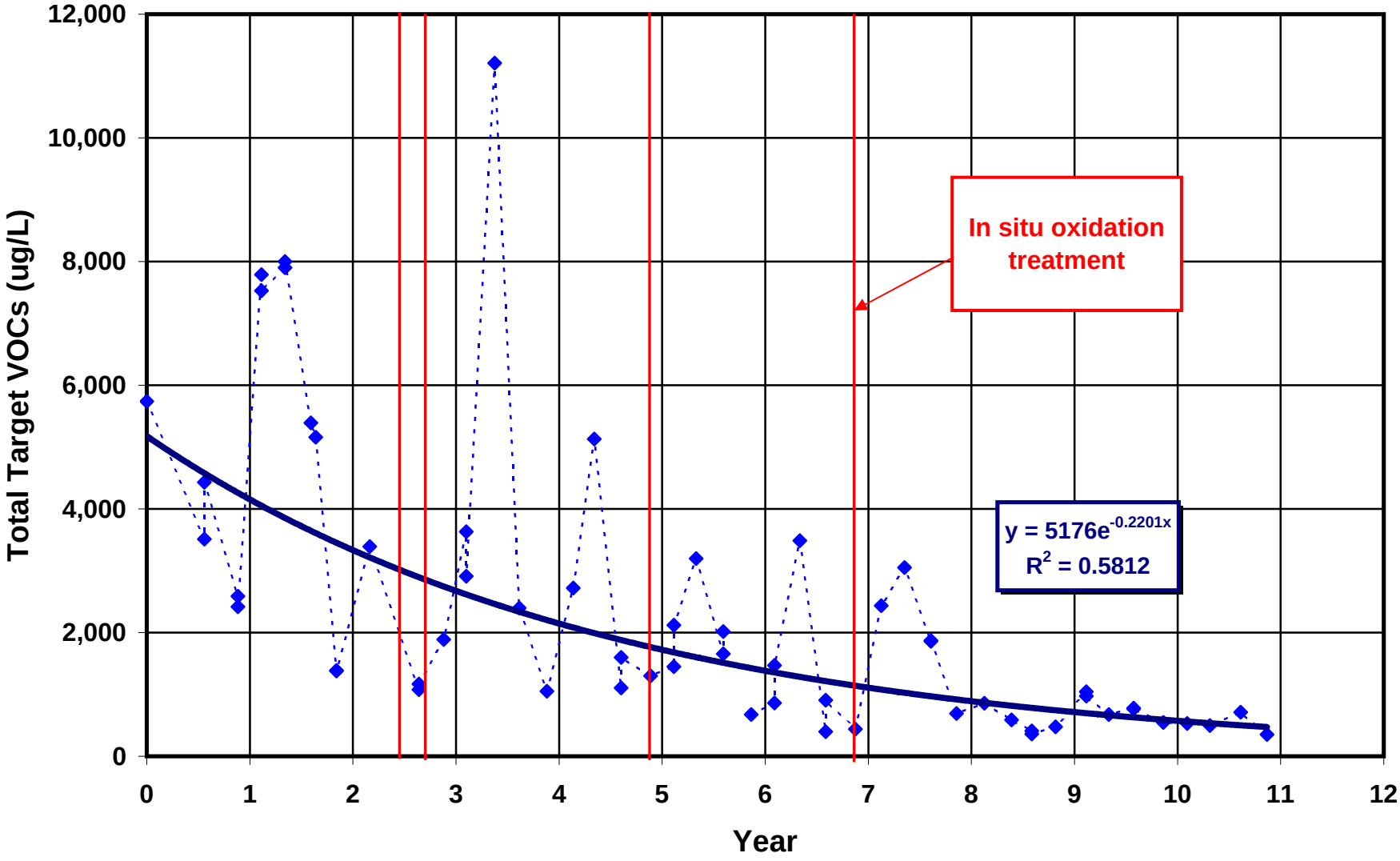
Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

FIGURE

Figure 1: Total Target VOCs at MW-32



ATTACHMENT A

DISCHARGE MONITORING REPORT
APRIL 2011

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

Reporting Month & Year **Apr-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		**12,721**	**gpd**		**Continuous**	**Meter**
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	**6.47**	**7.99**	**s.u.**		**7**	**Grab**
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		**< 4.0**	**mg/L**	**0.42**	**1**	**Grab**
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		**< 1.0**	**ug/L**	**< 0.00011**	**1**	**Grab**
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		**< 0.15**	**ug/L**	**< 0.000016**	**1**	**Grab**
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		**3.6**	**ug/L**	**0.00038**	**1**	**Grab**
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B

ANALYTICAL LABORATORY REPORT
EFFLUENT SAMPLING – APRIL 2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C1D290539

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

May 9, 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	(#002602)	WW HW	X X
Kansas -- NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203011)	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

Mactec Engineering & Consulting
Lot #: C1D290539

Sample Receiving:
TestAmerica's Pittsburgh laboratory received one sample on April 29, 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:
TestAmerica's North Canton laboratory performed the volatiles 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.

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls
Niagara Falls NY 14304

SHIPPED TO (Laboratory Name): Test America Pitts

REFERENCE NUMBER: 018036
Buffalo Airport

SAMPLER'S SIGNATURE: ______ PRINTED NAME: ______

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	VOCs	[illegible]	pH TSS	Cd, Cr							REMARKS
	4-28-11	10.00	EFF 0411	water	5	3	1	1								
TOTAL NUMBER OF CONTAINERS						HEALTH/CHEMICAL HAZARDS										

PARAMETERS

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
① [signature]	DATE: 4/28/11 TIME: 10 00	① [signature]	DATE: 4/29/11 TIME: 0945
②	DATE: TIME:	②	DATE: TIME:
③	DATE: TIME:	③	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No.

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

SAMPLE TEAM: [signature]

RECEIVED FOR LABORATORY BY: ______
DATE: ______ TIME: ______

№ CRA 23074

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

METHODS SUMMARY

C1D290539

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

C1D290539

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MHN32	001	EFF0411	04/28/11	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: EFF0411

GC/MS Volatiles

Lot-Sample #...: C1D290539-001 **Work Order #...:** MHN321AD **Matrix.....:** WATER
Date Sampled...: 04/28/11 **Date Received..:** 04/29/11 **MS Run #.....:** 1125231
Prep Date.....: 05/04/11 **Analysis Date..:** 05/04/11
Prep Batch #...: 1125459 **Analysis Time..:** 02:48
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	94	(80 - 125)
Toluene-d8	96	(84 - 110)
Bromofluorobenzene	83	(81 - 112)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C1D290539 **Work Order #...:** MH1T81AA **Matrix.....:** WATER
MB Lot-Sample #: A1E050000-459

Prep Date.....: 05/03/11 **Analysis Time..:** 15:26
Analysis Date..: 05/03/11 **Prep Batch #...:** 1125459
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
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
Methylene chloride	ND	1.0	ug/L	CFR136A 624
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	98	(80 - 125)
Toluene-d8	95	(84 - 110)
Bromofluorobenzene	84	(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 #...: C1D290539 **Work Order #...:** MH1T81AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E050000-459
Prep Date.....: 05/03/11 **Analysis Date..:** 05/03/11
Prep Batch #...: 1125459 **Analysis Time..:** 14:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2-Dichlorobenzene	89	(18 - 190)	CFR136A 624
Methylene chloride	104	(10 - 221)	CFR136A 624
Tetrachloroethene	100	(64 - 148)	CFR136A 624
Toluene	95	(47 - 150)	CFR136A 624
Trichloroethene	98	(71 - 157)	CFR136A 624
Benzene	96	(37 - 151)	CFR136A 624
Bromodichloromethane	88	(35 - 155)	CFR136A 624
Bromoform	67	(45 - 169)	CFR136A 624
Bromomethane	77	(10 - 242)	CFR136A 624
Carbon tetrachloride	88	(70 - 140)	CFR136A 624
Chlorobenzene	95	(37 - 160)	CFR136A 624
Chloroethane	94	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	98	(10 - 305)	CFR136A 624
Chloroform	94	(51 - 138)	CFR136A 624
Chloromethane	80	(10 - 273)	CFR136A 624
Dibromochloromethane	80	(53 - 149)	CFR136A 624
1,3-Dichlorobenzene	90	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	88	(18 - 190)	CFR136A 624
1,1-Dichloroethane	96	(59 - 155)	CFR136A 624
1,2-Dichloroethane	102	(49 - 155)	CFR136A 624
1,1-Dichloroethene	115	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	100	(54 - 156)	CFR136A 624
1,2-Dichloropropane	98	(10 - 210)	CFR136A 624
cis-1,3-Dichloropropene	84	(10 - 227)	CFR136A 624
trans-1,3-Dichloropropene	82	(17 - 183)	CFR136A 624
Ethylbenzene	91	(37 - 162)	CFR136A 624
1,1,2,2-Tetrachloroethane	87	(46 - 157)	CFR136A 624
1,1,1-Trichloroethane	96	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	95	(52 - 150)	CFR136A 624
Trichlorofluoromethane	129	(17 - 181)	CFR136A 624
Vinyl chloride	92	(10 - 251)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C1D290539 **Work Order #...:** MH1T81AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E050000-459

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(80 - 125)
Toluene-d8	98	(84 - 110)
Bromofluorobenzene	91	(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 #...: C1D290539 **Work Order #...:** MHQ3C1AC **Matrix.....:** WATER
MS Lot-Sample #: A1E020460-002
Date Sampled...: 05/02/11 **Date Received..:** 05/02/11
Prep Date.....: 05/04/11 **Analysis Date..:** 05/04/11
Prep Batch #...: 1125459 **MS Run #.....:** 1125231
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2-Dichlorobenzene	**84 a**	**(90 - 115)**	**CFR136A 624**
Methylene chloride	**103**	**(78 - 131)**	**CFR136A 624**
Tetrachloroethene	**91**	**(81 - 112)**	**CFR136A 624**
Toluene	**90**	**(87 - 112)**	**CFR136A 624**
Trichloroethene	**94**	**(85 - 114)**	**CFR136A 624**
Benzene	**93**	**(90 - 114)**	**CFR136A 624**
Bromodichloromethane	**81**	**(78 - 123)**	**CFR136A 624**
Bromoform	**58**	**(40 - 141)**	**CFR136A 624**
Bromomethane	**75**	**(42 - 160)**	**CFR136A 624**
Carbon tetrachloride	**77**	**(61 - 129)**	**CFR136A 624**
Chlorobenzene	**91**	**(90 - 113)**	**CFR136A 624**
Chloroethane	**92**	**(56 - 133)**	**CFR136A 624**
2-Chloroethyl vinyl ether	**0.0 a**	**(10 - 185)**	**CFR136A 624**
Chloroform	**92**	**(90 - 118)**	**CFR136A 624**
Chloromethane	**78**	**(37 - 127)**	**CFR136A 624**
Dibromochloromethane	**72**	**(65 - 123)**	**CFR136A 624**
1,3-Dichlorobenzene	**84 a**	**(90 - 111)**	**CFR136A 624**
1,4-Dichlorobenzene	**82 a**	**(90 - 112)**	**CFR136A 624**
1,1-Dichloroethane	**93**	**(90 - 114)**	**CFR136A 624**
1,2-Dichloroethane	**101**	**(90 - 123)**	**CFR136A 624**
1,1-Dichloroethene	**110**	**(83 - 129)**	**CFR136A 624**
trans-1,2-Dichloroethene	**99**	**(85 - 116)**	**CFR136A 624**
1,2-Dichloropropane	**93**	**(87 - 119)**	**CFR136A 624**
cis-1,3-Dichloropropene	**73 a**	**(77 - 115)**	**CFR136A 624**
trans-1,3-Dichloropropene	**71**	**(71 - 114)**	**CFR136A 624**
Ethylbenzene	**88**	**(88 - 111)**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	**86**	**(77 - 133)**	**CFR136A 624**
1,1,1-Trichloroethane	**82**	**(82 - 119)**	**CFR136A 624**
1,1,2-Trichloroethane	**94**	**(89 - 123)**	**CFR136A 624**
Trichlorofluoromethane	**113 a**	**(62 - 110)**	**CFR136A 624**
Vinyl chloride	**86**	**(50 - 119)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(80 - 125)
Toluene-d8	98	(84 - 110)
Bromofluorobenzene	92	(81 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #...: C1D290539 **Work Order #...:** MHQ3C1AC **Matrix.....:** WATER
MS Lot-Sample #: A1E020460-002

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: EFF0411

TOTAL Metals

Lot-Sample #...: C1D290539-001 **Matrix.....:** WATER
Date Sampled...: 04/28/11 **Date Received..:** 04/29/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1122158						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	05/02-05/03/11	MHN321AA
		Dilution Factor: 1		Analysis Time..: 17:45	MS Run #.....: 1122084	
		MDL.....: 0.15				
Chromium	**3.6 B**	**5.0**	**ug/L**	**MCAWW 200.7**	**05/02-05/03/11**	**MHN321AC**
		Dilution Factor: 1		Analysis Time..: 17:45	MS Run #.....: 1122084	
		MDL.....: 0.51				

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C1D290539 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C1E020000-158 **Prep Batch #...:** 1122158						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	05/02-05/03/11	MHQLA1AH
		Dilution Factor: 1				
		Analysis Time..: 16:14				
Chromium	ND	5.0	ug/L	MCAWW 200.7	05/02-05/03/11	MHQLA1A1
		Dilution Factor: 1				
		Analysis Time..: 16:14				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1D290539 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C1E020000-158 **Prep Batch #...:** 1122158					
Cadmium	99	(85 - 115)	MCAWW 200.7	05/02-05/03/11	MHQLA1A8
		Dilution Factor: 1	Analysis Time..: 16:20		
Chromium	100	(85 - 115)	MCAWW 200.7	05/02-05/03/11	MHQLA1CQ
		Dilution Factor: 1	Analysis Time..: 16:20		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1D290539 **Matrix.....:** WATER
Date Sampled...: 04/29/11 **Date Received..:** 04/29/11

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C1D290418-001 **Prep Batch #...:** 1122158							
Cadmium	99	(70 - 130)			MCAWW 200.7	05/02-05/03/11	MHNF81DH
	99	(70 - 130)	0.26	(0-20)	MCAWW 200.7	05/02-05/03/11	MHNF81DJ
		Dilution Factor: 1					
		Analysis Time..: 18:03					
		MS Run #.....: 1122084					
Chromium	97	(70 - 130)			MCAWW 200.7	05/02-05/03/11	MHNF81EH
	105	(70 - 130)	2.1	(0-20)	MCAWW 200.7	05/02-05/03/11	MHNF81EJ
		Dilution Factor: 1					
		Analysis Time..: 18:03					
		MS Run #.....: 1122084					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1D290539 **Matrix.....:** WATER
Date Sampled...: 04/28/11 **Date Received..:** 04/29/11

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C1D290601-001 **Prep Batch #...:** 1122158							
Cadmium	98	(70 - 130)			MCAWW 200.7	05/02-05/03/11	MHPFP1D0
	97	(70 - 130)	1.9	(0-20)	MCAWW 200.7	05/02-05/03/11	MHPFP1D1
		Dilution Factor: 1					
		Analysis Time..: 18:57					
		MS Run #.....: 1122084					
Chromium	100	(70 - 130)			MCAWW 200.7	05/02-05/03/11	MHPFP1D4
	98	(70 - 130)	2.0	(0-20)	MCAWW 200.7	05/02-05/03/11	MHPFP1D5
		Dilution Factor: 1					
		Analysis Time..: 18:57					
		MS Run #.....: 1122084					

NOTE(S):

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

Leo Brausch Consulting

Client Sample ID: EFF0411

General Chemistry

Lot-Sample #...: C1D290539-001 **Work Order #...:** MHN32 **Matrix.....:** WATER
Date Sampled...: 04/28/11 **Date Received..:** 04/29/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**6.6**	--	--	**SM20 4500-H+B**	**04/30/11**	**1120064**
		Dilution Factor: 1		Analysis Time..: 14:08	MS Run #.....: 1120027	
		MDL.....: 0.0				
Total Suspended Solids	ND	4.0	mg/L	SM20 2540D	04/30-05/02/11	1120052
		Dilution Factor: 1		Analysis Time..: 11:02	MS Run #.....: 1120026	
		MDL.....: 2.0				

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C1D290539 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: MHP0L1AA		MB Lot-Sample #:	C1D300000-052	
	ND	4.0	mg/L	SM20 2540D	04/30-05/02/11	1120052
		Dilution Factor: 1				
		Analysis Time..: 11:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C1D290539 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: MHP2K1AA	LCS Lot-Sample#: C1D300000-064		
	99	(99 - 101)	SM20 4500-H+B	04/30/11	1120064
		Dilution Factor: 1	Analysis Time..: 14:00		
Total Suspended Solids		Work Order #: MHP0L1AC	LCS Lot-Sample#: C1D300000-052		
	98	(80 - 120)	SM20 2540D	04/30-05/02/11	1120052
		Dilution Factor: 1	Analysis Time..: 11:02		

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C1D290539 **Work Order #...:** MHMM4-SMP MHMM4-DUP **Matrix.....:** WATER

Date Sampled...: 04/27/11 **Date Received..:** 04/28/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: C1D280572-001		
	10.8	11.6	mg/L	7.1	(0-20)	SM20 2540D	04/30-05/02/11	1120052

Dilution Factor: 1 Analysis Time..: 11:02 MS Run Number..: 1120026

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C1D290539 **Work Order #...:** MHPV9-SMP MHPV9-DUP **Matrix.....:** WATER

Date Sampled...: 04/29/11 **Date Received..:** 04/30/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: C1D300424-001		
	7.8	7.7	--	0.52	(0-2.0)	SM20 4500-H+B	04/30/11	1120064

Dilution Factor: 1 Analysis Time..: 14:16 MS Run Number..: 1120027

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C1D290539 **Work Order #...:** MHPW0-SMP MHPW0-DUP **Matrix.....:** WATER

Date Sampled...: 04/29/11 **Date Received..:** 04/30/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: C1D300427-001		
	7.4	7.4	--	0.27	(0-2.0)	SM20 4500-H+B	04/30/11	1120064

Dilution Factor: 1 Analysis Time..: 14:24 MS Run Number..: 1120027

ATTACHMENT C

ANALYTICAL LABORATORY REPORT
WELL MW-32 QUARTERLY MONITORING - MARCH 2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH BUF

Leo Brausch Buffalo Airport

Lot #: C1C250568

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

April 6, 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 # C1C250568

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on March 25, 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:
Due to the concentration of target compounds detected, sample WG-18036-032411-MW-32 and associated matrix spikes were analyzed at a dilution.

The matrix spike and/or matrix spike duplicate recovered outside control limits for several analytes.

Metals:
There were no problems associated with the analysis.

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES NF office	SHIPPED TO (Laboratory Name): Test America Pittsburgh	REFERENCE NUMBER: 18036 · 1131 Viacom Buffal Airport 4th Qtr GW Sampling

SAMPLER'S SIGNATURE: Dave Tyran PRINTED NAME: David Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS VOC	CVOC	Pb	REMARKS
	3/24/11	0940	WG-18036-032411-HW32	water	4	X	X	X	
	3/24/11		TB-18036-032411	DI water	2	X			

TOTAL NUMBER OF CONTAINERS: 6 HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① Dave Tyran	DATE: 3-24-11 TIME: 1100	RECEIVED BY: ①	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No.

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

SAMPLE TEAM: D. Tyran

RECEIVED FOR LABORATORY BY: DATE: 3/25/11 TIME: 0950

Nº CRA 17345

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

METHODS SUMMARY

C1C250568

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
CLP - Volatile Organic Compounds (OLM04.2)	OCLP OLM04.2	OCLP OLM04.2
Inductively Coupled Plasma	ICLP ILM04.0/4.	ICLP ILM04.0

References:

ICLP USEPA Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration.

OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY

C1C250568

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MF7P4	001	WG-18036-032411-MW-32	03/24/11	09:40
MF7P8	002	TB-18036-032411	03/24/11	

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: WG-18036-032411-MW-32

GC/MS Volatiles

Lot-Sample #...: C1C250568-001 **Work Order #...:** MF7P41AA **Matrix.....:** WATER
Date Sampled...: 03/24/11 **Date Received..:** 03/25/11 **MS Run #.....:** 1092039
Prep Date.....: 04/02/11 **Analysis Date..:** 04/02/11
Prep Batch #...: 1092063 **Analysis Time..:** 14:25
Dilution Factor: 2

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	20	ug/L	2.0
cis-1,2-Dichloroethene	**210**	**20**	**ug/L**	**2.0**
1,1,1-Trichloroethane	ND	20	ug/L	2.0
Trichloroethene	**130**	**20**	**ug/L**	**2.0**
Vinyl chloride	**11 J**	**20**	**ug/L**	**2.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(88 - 110)
Bromofluorobenzene	101	(86 - 115)
1,2-Dichloroethane-d4	105	(76 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: TB-18036-032411

GC/MS Volatiles

Lot-Sample #...: C1C250568-002 **Work Order #...:** MF7P81AA **Matrix.....:** WATER
Date Sampled...: 03/24/11 **Date Received..:** 03/25/11 **MS Run #.....:** 1092039
Prep Date.....: 04/02/11 **Analysis Date..:** 04/02/11
Prep Batch #...: 1092063 **Analysis Time..:** 13:09
Dilution Factor: 1

Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	ND	10	ug/L	1.0
Vinyl chloride	ND	10	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(88 - 110)
Bromofluorobenzene	113	(86 - 115)
1,2-Dichloroethane-d4	89	(76 - 114)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C1C250568 **Work Order #...:** MGHL11AA **Matrix.....:** WATER
MB Lot-Sample #: C1D020000-063
Prep Date.....: 04/02/11 **Analysis Time..:** 12:36
Analysis Date..: 04/02/11 **Prep Batch #...:** 1092063
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	10	ug/L	OCLP OLM04.2
Toluene	ND	10	ug/L	OCLP OLM04.2
1,1,1-Trichloroethane	ND	10	ug/L	OCLP OLM04.2
Trichloroethene	ND	10	ug/L	OCLP OLM04.2
Vinyl chloride	ND	10	ug/L	OCLP OLM04.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(88 - 110)
Bromofluorobenzene	108	(86 - 115)
1,2-Dichloroethane-d4	95	(76 - 114)

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 #...: C1C250568 **Work Order #...:** MGHL11AC **Matrix.....:** WATER
LCS Lot-Sample#: C1D020000-063
Prep Date.....: 04/02/11 **Analysis Date..:** 04/02/11
Prep Batch #...: 1092063 **Analysis Time..:** 14:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Trichloroethene	**79**	**(71 - 120)**	**OCLP OLM04.2**
Toluene	**85**	**(76 - 125)**	**OCLP OLM04.2**
1,1-Dichloroethene	**84**	**(61 - 145)**	**OCLP OLM04.2**
Benzene	**80**	**(76 - 127)**	**OCLP OLM04.2**
Chlorobenzene	**80**	**(75 - 130)**	**OCLP OLM04.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(88 - 110)
Bromofluorobenzene	103	(86 - 115)
1,2-Dichloroethane-d4	101	(76 - 114)

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

Client Lot #...: C1C250568 **Work Order #...:** MF7P41AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: C1C250568-001 MF7P41AK-MSD
Date Sampled...: 03/24/11 **Date Received..:** 03/25/11 **MS Run #.....:** 1092039
Prep Date.....: 04/02/11 **Analysis Date..:** 04/02/11
Prep Batch #...: 1092063 **Analysis Time..:** 14:58
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**70 a**	**(71 - 120)**			**OCLP OLM04.2**
	71	**(71 - 120)**	**0.60**	**(0-14)**	**OCLP OLM04.2**
Toluene	**73 a**	**(76 - 125)**			**OCLP OLM04.2**
	74 a	**(76 - 125)**	**1.4**	**(0-13)**	**OCLP OLM04.2**
1,1-Dichloroethene	**76**	**(61 - 145)**			**OCLP OLM04.2**
	78	**(61 - 145)**	**1.9**	**(0-14)**	**OCLP OLM04.2**
Benzene	**78**	**(76 - 127)**			**OCLP OLM04.2**
	81	**(76 - 127)**	**3.8**	**(0-11)**	**OCLP OLM04.2**
Chlorobenzene	**73 a**	**(75 - 130)**			**OCLP OLM04.2**
	75	**(75 - 130)**	**2.2**	**(0-13)**	**OCLP OLM04.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(88 - 110)
	88	(88 - 110)
Bromofluorobenzene	96	(86 - 115)
	98	(86 - 115)
1,2-Dichloroethane-d4	93	(76 - 114)
	90	(76 - 114)

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: WG-18036-032411-MW-32

TOTAL Metals

Lot-Sample #...: C1C250568-001 **Matrix.....:** WATER
Date Sampled...: 03/24/11 **Date Received..:** 03/25/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1092049						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	04/02-04/05/11	MF7P41AC
		Dilution Factor: 1		Analysis Time..: 14:11	MS Run #.....: 1092025	
		MDL.....: 0.11				
Lead	ND	3	ug/L	ICLP ILM04.0/4.1	04/02-04/05/11	MF7P41AD
		Dilution Factor: 1		Analysis Time..: 14:11	MS Run #.....: 1092025	
		MDL.....: 1.5				

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C1C250568 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C1D020000-049 **Prep Batch #...:** 1092049						
Cadmium	ND	5.0	ug/L	ICLP ILM04.0/4.1	04/02-04/05/11	MGHH51AA
		Dilution Factor: 1				
		Analysis Time..: 14:01				
Lead	ND	3.0	ug/L	ICLP ILM04.0/4.1	04/02-04/05/11	MGHH51AC
		Dilution Factor: 1				
		Analysis Time..: 14:01				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1C250568 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C1D020000-049 **Prep Batch #...:** 1092049					
Cadmium	98	(80 - 120)	ICLP ILM04.0/4.1	04/02-04/05/11	MGHH51AD
		Dilution Factor: 1	Analysis Time..: 14:06		
Lead	100	(80 - 120)	ICLP ILM04.0/4.1	04/02-04/05/11	MGHH51AE
		Dilution Factor: 1	Analysis Time..: 14:06		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C1C250568 **Matrix.....:** WATER
Date Sampled...: 03/24/11 **Date Received..:** 03/25/11

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C1C250568-001 **Prep Batch #...:** 1092049					
Cadmium	97	(75 - 125)	ICLP ILM04.0/4.1	04/02-04/05/11	MF7P41AE
		Dilution Factor: 1	Analysis Time..: 14:11		
		MS Run #.....: 1092025			
Lead	98	(75 - 125)	ICLP ILM04.0/4.1	04/02-04/05/11	MF7P41AF
		Dilution Factor: 1	Analysis Time..: 14:11		
		MS Run #.....: 1092025			

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: C1C250568 **Work Order #...:** MF7P4-SMP MF7P4-DUP **Matrix.....:** WATER

Date Sampled...: 03/24/11 **Date Received..:** 03/25/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cadmium						SD Lot-Sample #: C1C250568-001		
	ND	ND	ug/L	0	(0-20)	ICLP ILM04.0/4.1	04/02-04/05/11	1092049
		Dilution Factor: 1				Analysis Time..: 14:11	MS Run Number..: 1092025	
Lead						SD Lot-Sample #: C1C250568-001		
	ND	ND	ug/L	0	(0-20)	ICLP ILM04.0/4.1	04/02-04/05/11	1092049
		Dilution Factor: 1				Analysis Time..: 14:11	MS Run Number..: 1092025	