Quarterly Treatment System
Site Operations and Maintenance Report
Chem Core Site (9-15-176)
City of Buffalo, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, New York 13211
(315) 431-4610

March 2012
Revision: FINAL
EA Project No.: 14474.02

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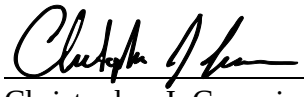
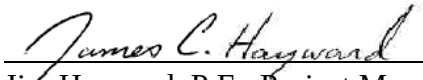
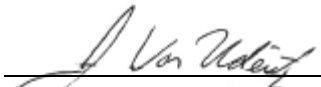


21 March 2012
Christopher J. Canonica, P.E., Program Manager — Date
EA Engineering, P.C.



21 March 2012
Jim Hayward, P.E., Project Manager — Date
EA Engineering, P.C.



21 March 2012
Joe Von Uderitz, P.G., Site Manager — Date
EA Science and Technology

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1. INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA), to perform site management, and operations and maintenance activities at the Chem Core site in the city of Buffalo, Erie County, New York (Figure 1).

The Work Assignment was conducted under the NYSDEC State Superfund Standby Contract (Work Assignment No. D004441-02). The elements of site operation and maintenance were completed in accordance with the applicable guidelines and requirements of the NYSDEC. The field activities were performed at the site from 27 April to 30 May 2010.

1.1 OBJECTIVES

The purpose of the field activities completed at the site is to optimize system operation through the collection and review of performance and monitoring data.

1.2 REPORT ORGANIZATION

Treatment system operation and maintenance are described in Section 2. The results of the second quarterly groundwater sampling event will be submitted under a separate cover.

The following are provided as appendixes:

- **Appendix A**—Pump and Treat System Monitoring Logs
- **Appendix B**—Discharge Permit Requirements (City of Buffalo Sewer Authority)
- **Appendix C**—Laboratory Analytical Data, Form Is, and Chain of Custody Forms.

2. SYSTEM OPERATIONS AND MAINTENANCE

2.1 QUARTERLY SYSTEM REPORT

During the period from 27 April 2010 to 30 May 2010, the treatment system ran continuously for 792 hours for a system run-time of 100 percent. During this period, the air stripper ran for a total of 37 hours out of approximately 792 hours, demonstrating that the treatment system treats water approximately 5% of the time the system is running.

A total of 27,900 gal of treated water was discharged to the Buffalo Sewer Authority during this period. The average discharge flow rate was 845 gal per day, or 0.59 gal per minute. Pump and treat system monitoring logs are available in Appendix A.

The pumping rate during operation of the extraction wells was calculated by dividing the total flow (27,900 gal) by the hours of operation (37) for a total of 622 gal per hour. Approximately 53 percent of the flow was attributable to extraction well GEW-1; approximately 47 percent of flow was attributable to extraction well GEW-2 (Figure 2).

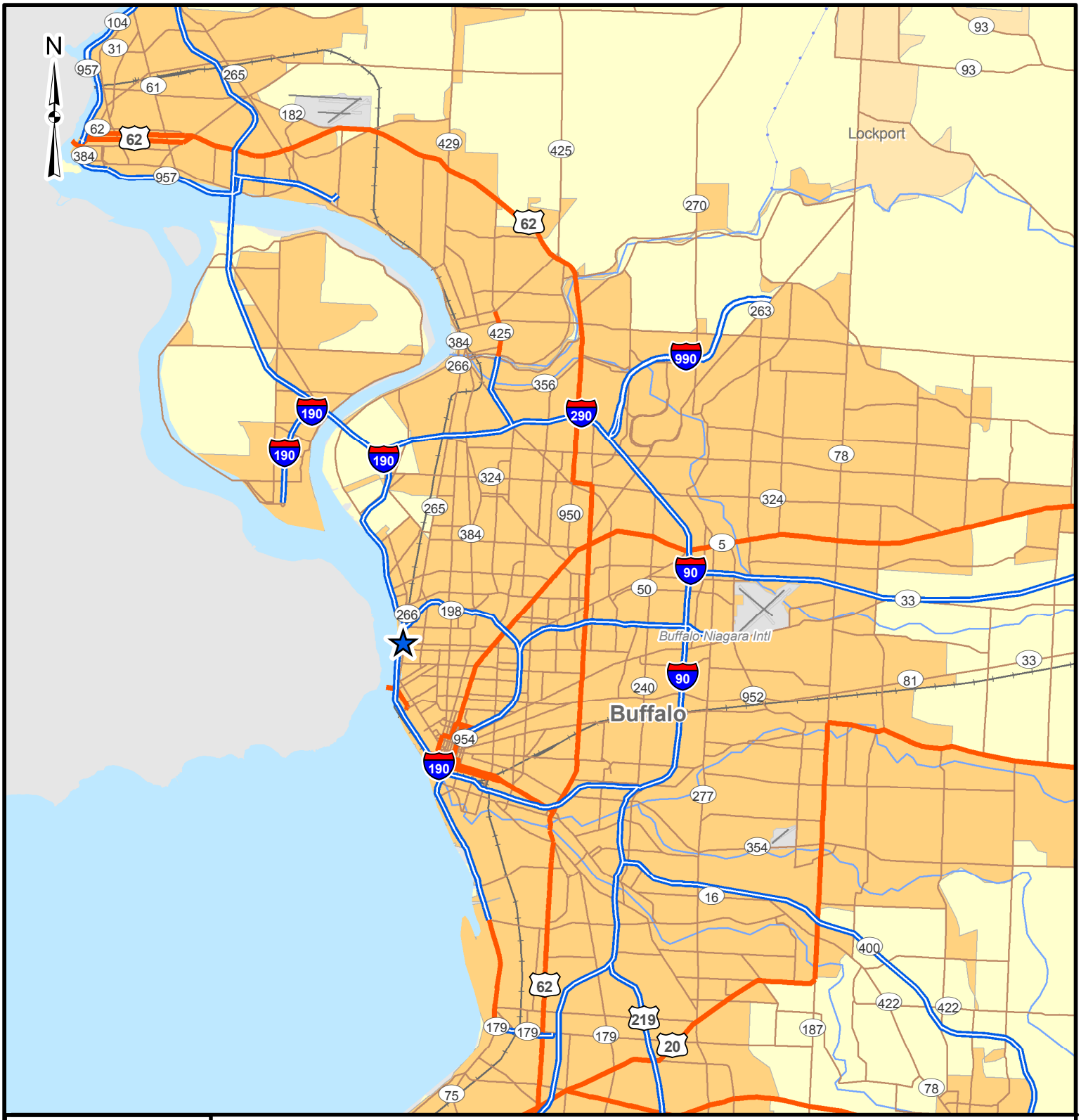
Water samples from system influent and effluent were collected on 27 April and 30 May 2010. Historical analytical results are summarized in Table 1. A historical groundwater influent concentration trend graph for vinyl chloride is included as Figure 3. All discharge samples were in compliance with Buffalo Sewer Authority permit requirements (Appendix B).

All off-gas from the treatment system was sent through the air stripper off-gas discharge stack. Operation of the oxidizer unit was not necessary during this period due to low off-gas concentrations. The air discharge rate for the air stripper during the period was approximately 245 ft^3 per minute.

System effluent discharge air samples were collected on 27 April and 30 May 2010. Historical analytical results are summarized in Table 2. A historical air discharge concentration trend graph for vinyl chloride is included as Figure 4. The system discharge air was monitored with a photoionization detector during each visit and volatile organic compound (VOC) concentrations ranged from 8.2 to 11.6 parts per million.

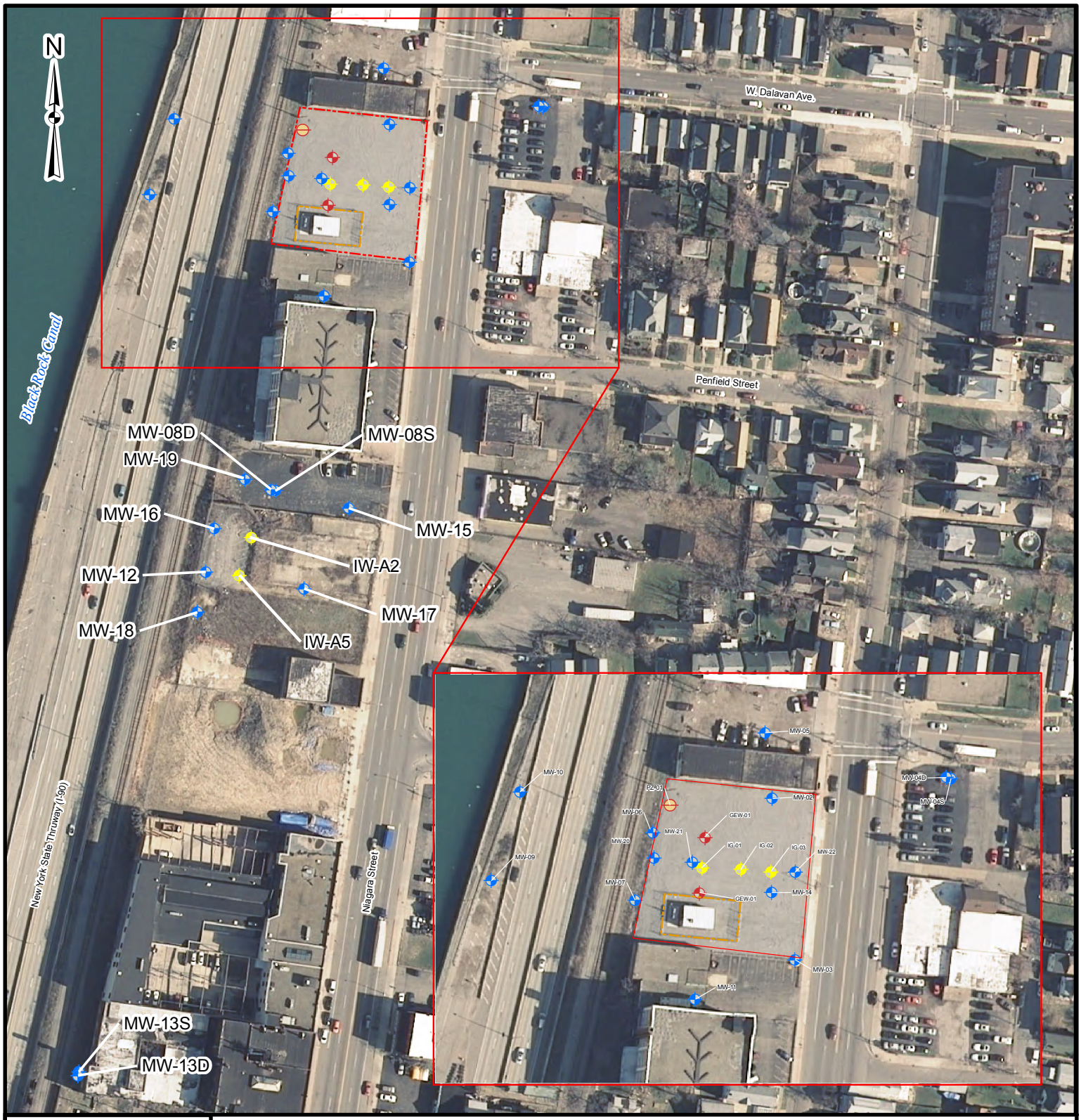
In order to monitor the effects of the edible oil substrate injection at the site, the treatment system was temporarily shut down on 30 May 2010. The treatment system is to remain off for an approximate 9-month period. During this period, monitoring wells located north of the site will be gauged to determine the effects the extraction wells at the site had on the groundwater table. Three quarterly groundwater sampling events will be completed while the treatment system is shut down. In addition to the VOCs collected on a quarterly basis, monitored natural attenuation parameters will also be collected and include sulfate, total organic carbon, ethane, and ferrous iron. Water quality parameters will be collected during well purging and will include pH and oxygen reduction potential, at a minimum.

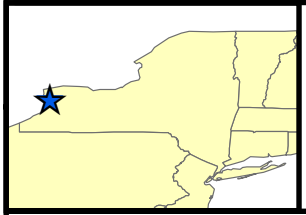
Following the shutdown of the treatment system, all groundwater in the process system was treated and discharged to the Buffalo Sewer Authority, bag filters were removed and the two extraction well pumps were pulled from the well, cleaned, and staged in the treatment system building. The power to the treatment system building was also shut off.



	CHEMCORE QUARTERLY O&M REPORT (2nd QUARTER 2010) BUFFALO, NEW YORK	FIGURE 1 SITE LOCATION MAP

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	JCP	JAV	AS SHOWN	JULY 2010	1447402	GIS/PROJECTS/ FIGURE1.MXD





Legend

- Extraction Wells
- Injection Wells
- Monitoring Wells
- Piezometer
- System Facility Fenceline
- PropertyBoundary

0 40 80 160 240 320 Feet

Source: USGS 250k Digital Raster Graphics

CHEMCORE
QUARTERLY 0&M REPORT
(2nd QUARTER 2010)
BUFFALO, NEW YORK

FIGURE 2
SITE MAP

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	JCP	JAV	AS SHOWN	JULY 2010	1447402	GIS/PROJECTS/ FIGURE1.MXD

Chem-Core
Historical Groundwater Influent Concentration Trend Graph For Vinyl Chloride

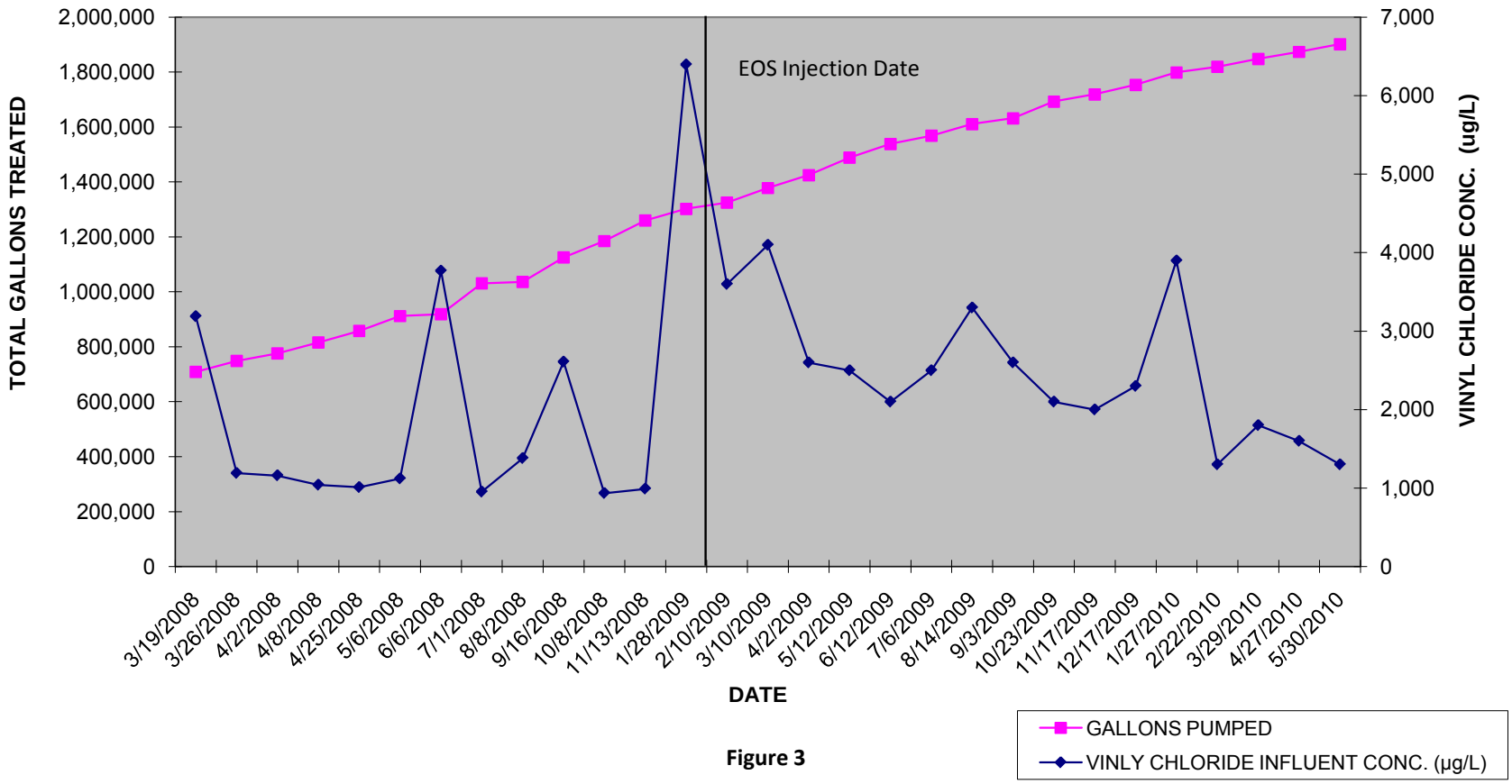


Figure 3

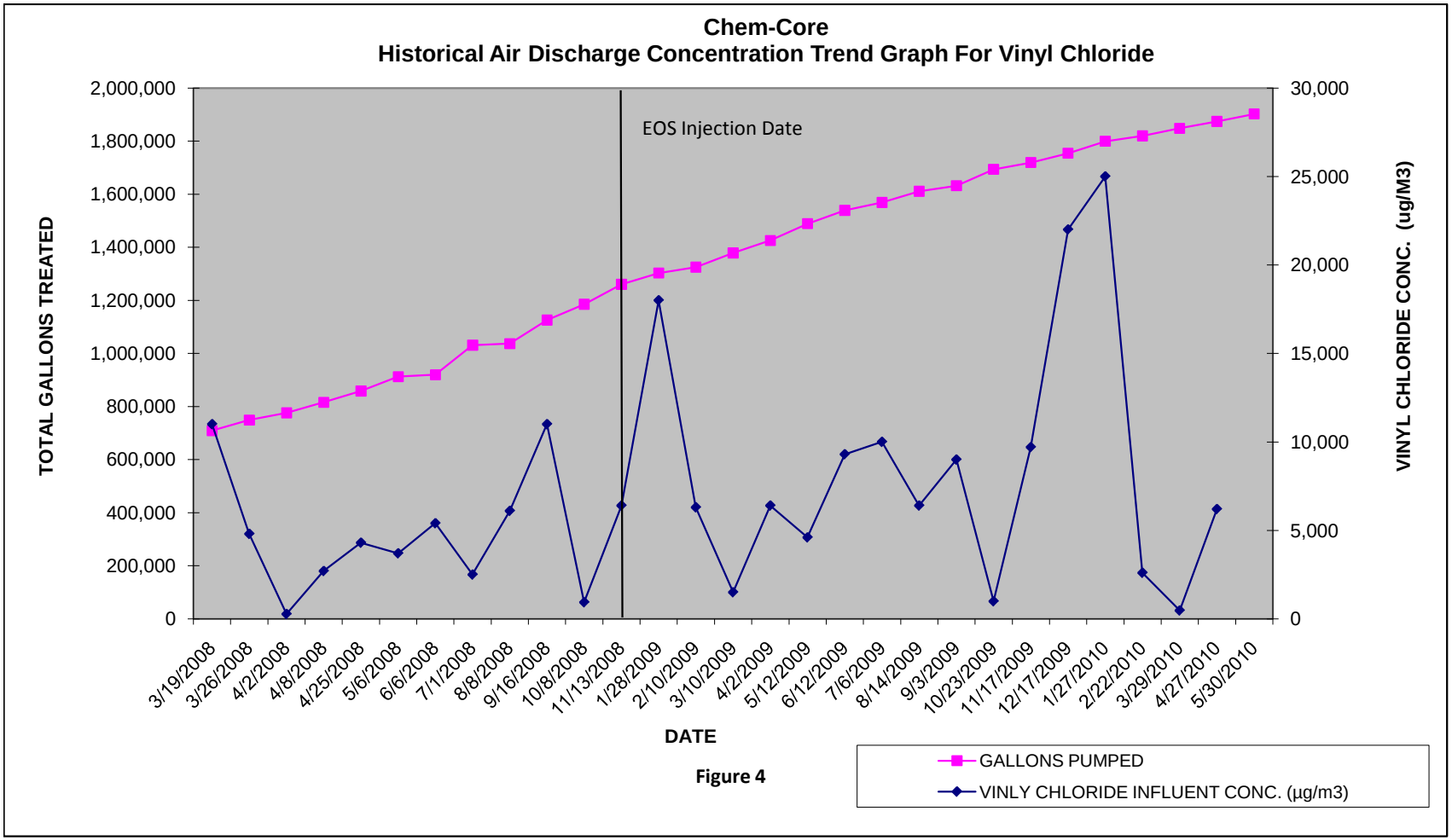

Chem-Core
Historical Air Discharge Concentration Trend Graph For Vinyl Chloride
TOTAL GALLONS TREATED
VINYL CHLORIDE CONC. (ug/M3)
EOS Injection Date
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
30,000
25,000
20,000
15,000
10,000
5,000
0
3/19/2008
3/26/2008
4/2/2008
4/8/2008
4/25/2008
5/6/2008
6/6/2008
7/1/2008
8/8/2008
9/16/2008
10/8/2008
11/13/2008
1/28/2009
2/10/2009
3/10/2009
4/2/2009
5/12/2009
6/12/2009
7/6/2009
8/14/2009
9/3/2009
10/23/2009
11/17/2009
12/17/2009
1/27/2010
2/22/2010
3/29/2010
4/27/2010
5/30/2010
DATE
GALLONS PUMPED
VINLY CHLORIDE INFLUENT CONC. (µg/m3)

Figure 4

TABLE 1 SYSTEM INFLUENT WATER SAMPLES

Parameters List (USEPA Method 624)	3/19/2008				3/26/2008				4/2/2008				4/8/2008			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag
1,1,1-Trichloroethane	3520			U	1330			U	1320			U	1150			U
1,1,2,2-Tetrachloroethane		U		U		U		U		U		U		U		U
1,1,2-Trichloroethane		U		U		U		U		U		U		U		U
1,1-Dichloroethane	1480			U	616			U	638		0.34	J	572	J	0.25	J
1,1-Dichloroethene	348			U	190	J		U	160	J		U	118			U
1,2-Dichlorobenzene		U		U		U		U		U		U		U		U
1,2-Dichloroethane	44	J		U		U		U		U		U		U		U
1,2-Dichloropropane		U		U		U		U		U		U		U		U
1,3-Dichlorobenzene		U		U		U		U		U		U		U		U
1,4-Dichlorobenzene		U		U		U	0.27	J		U		U		U		U
2-Chloroethylvinyl ether		U		U		U		U		U		U		U		U
Benzene		U		U		U		U		U		U		U		U
Bromodichloromethane		U		U		U		U		U		U		U		U
Bromoform		U		U		U		U		U		U		U		U
Bromomethane		U		U		U		U		U		U		U		U
Carbon tetrachloride		U		U		U		U		U		U		U		U
Chlorobenzene		U		U		U		U		U		U		U		U
Chloroethane		U		U		U		U		U		U		U		U
Chloroform	38	J		U	24	J		U	24	J		U	22			U
Chloromethane		U		U		U		U		U		U		U		U
cis-1,2-Dichloroethene	20100		2.61		6550		3		6660		5.89		6010		4.28	
cis-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Dibromochloromethane		U		U		U		U		U		U		U		U
Ethylbenzene	11	J		U		U		U		U		U		U		U
Methylene chloride	806			U	154	J		U	112	J		U	90			U
Tetrachloroethene	1620			U	1500			U	1490		0.5	J	1290	J	0.35	J
Toluene	573			U	148	J		U	96	J		U	68			U
trans-1,2-Dichloroethene	117			U	114	J		U		U		U		U		U
trans-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Trichloroethene	2220			U	1580		0.17	J	1450		0.62	J	1250	J	0.43	J
Trichlorofluoromethane		U		U		U		U		U		U		U		U
Vinyl chloride	2860			U	1190			U	1160			U	1040			U
Xylenes (total)	213			U		U		U		U		U		U		U

NOTE: USEPA = Unisted States Environmental Protection Agency
µg/L = Micrograms per Liter.
NYSDEC = New State Department of Environmental Conservation
U = The analyte was analyzed for, but was not detected at the Practical Quantitation Limit (PQL)
J = Analyte detected below PQL

Parameters List (USEPA Method 624)	4/25/2008				5/6/2008				6/9/2008				7/1/2008			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag
1,1,1-Trichloroethane	978		9.79		1030			U	3350		0.23	J	1060		0.23	J
1,1,2,2-Tetrachloroethane		U		U		U		U		U		U		U		U
1,1,2-Trichloroethane		U		U		U		U		U		U		U		U
1,1-Dichloroethane	575		6.41		592			U	1920		0.27	J	580		0.27	J
1,1-Dichloroethene	105	J	0.95	J	90	J		U		U		U	220	J		U
1,2-Dichlorobenzene		U		U		U		U		U		U		U		U
1,2-Dichloroethane		U	0.25	J		U		U		U		U		U		U
1,2-Dichloropropane		U		U		U		U		U		U		U		U
1,3-Dichlorobenzene		U		U		U		U		U		U		U		U
1,4-Dichlorobenzene		U		U		U		U		U		U		U		U
2-Chloroethylvinyl ether		U		U		U		U		U		U		U		U
Benzene		U		U		U		U		U		U		U		U
Bromodichloromethane		U		U		U		U		U		U		U		U
Bromoform		U		U		U		U		U		U		U		U
Bromomethane		U		U		U		U		U		U		U		U
Carbon tetrachloride		U		U		U		U		U		U		U		U
Chlorobenzene		U		U		U		U		U		U		U		U
Chloroethane		U		U		U		U		U		U		U		U
Chloroform	25	J	0.17	J	25	J		U		U		U		U		U
Chloromethane		U		U		U		U		U		U		U		U
cis-1,2-Dichloroethene	5490		273	E	5410		0.49	J	22300		3.09		4940		0.22	J
cis-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Dibromochloromethane		U		U		U		U		U		U		U		U
Ethylbenzene		U		U		U		U		U		U		U		U
Methylene chloride	170	J	1.54		178	J		U	1690			U	178	J		U
Tetrachloroethene	822		6.95		925			U		U		U	745			U
Toluene		U		U	62.5	J		U	700	J		U	162	J		U
trans-1,2-Dichloroethene	45	J	0.37	J		U		U		U		U		U		U
trans-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Trichloroethene	1160		10		958			U	260	J		U	718			U
Trichlorofluoromethane		U		U		U		U		U		U		U		U
Vinyl chloride	1010		6.99		1120			U	3770			U	952			U
Xylenes (total)		U		U		U		U		U		U		U		U

NOTE: E = Value exceeds the instrument calibration range

Parameters List (USEPA Method 624)	8/8/2008				9/16/2008				10/8/2008				11/13/2008			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag
1,1,1-Trichloroethane	1430			U	2200			U	768			U	940		0.24	J
1,1,2,2-Tetrachloroethane		U		U		U		U		U		U		U		U
1,1,2-Trichloroethane		U		U		U		U		U		U		U		U
1,1-Dichloroethane	1200			U	1440			U	508			U	955		0.36	J
1,1-Dichloroethene		U		U		U		U	68	J		U		U		U
1,2-Dichlorobenzene		U		U		U		U		U		U		U		U
1,2-Dichloroethane		U		U		U		U		U		U		U		U
1,2-Dichloropropane		U		U		U		U		U		U		U		U
1,3-Dichlorobenzene		U		U		U		U		U		U		U		U
1,4-Dichlorobenzene		U		U		U		U		U		U		U		U
2-Chloroethylvinyl ether		U		U		U		U		U		U		U		U
Benzene		U		U		U		U		U		U		U		U
Bromodichloromethane		U		U		U		U		U		U		U		U
Bromoform		U		U		U		U		U		U		U		U
Bromomethane		U		U		U		U		U		U		U		U
Carbon tetrachloride		U		U		U		U		U		U		U		U
Chlorobenzene		U		U		U		U		U		U		U		U
Chloroethane		U		U		U		U		U		U		U		U
Chloroform		U		U		U		U		U		U		U		U
Chloromethane		U		U		U		U		U		U		U		U
cis-1,2-Dichloroethene	9180		0.61	J	15700			J	5060		1.35		7860		3.1	
cis-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Dibromochloromethane		U		U		U		U		U		U		U		U
Ethylbenzene		U		U		U		U		U		U		U		U
Methylene chloride	645			U	905			U	200			U	335	J	0.18	J
Tetrachloroethene		U	0.15	J		U		J	98	J		U		U		U
Toluene	165	J		U		U		U	46	J		U	170	J		U
trans-1,2-Dichloroethene		U		U		U		U		U		U		U		U
trans-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Trichloroethene	90	J	0.13	J		J		J	290			U		U		U
Trichlorofluoromethane		U		U		U		U		U		U		U		U
Vinyl chloride	1380			U	2610			U	934			U	990	J		U
Xylenes (total)		U		U		U		U		U		U		U		U

Parameters List (USEPA Method 624)	1/27/2009				2/10/2009				3/5/2009				4/2/2009			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag
1,1,1-Trichloroethane	2200			U	1000			U	620			U	500			U
1,1,2,2-Tetrachloroethane		U		U		U		U		U		U		U		U
1,1,2-Trichloroethane		U		U		U		U		U		U		U		U
1,1-Dichloroethane	1600		0.51		1300			U	1500			U	1300			U
1,1-Dichloroethene	150			U	120			U	55			U		U		U
1,2-Dichlorobenzene		U		U		U		U		U		U		U		U
1,2-Dichloroethane		U		U	24			U	20			U		U		U
1,2-Dichloropropane		U		U		U		U		U		U		U		U
1,3-Dichlorobenzene		U		U		U		U		U		U		U		U
1,4-Dichlorobenzene		U		U		U		U		U		U		U		U
2-Chloroethylvinyl ether		U		U		U		U		U		U		U		U
Benzene		U		U	5.9			U	5.4			U		U		U
Bromodichloromethane		U		U		U		U		U		U		U		U
Bromoform		U		U		U		U		U		U		U		U
Bromomethane		U		U		U		U		U		U		U		U
Carbon tetrachloride		U		U		U		U		U		U		U		U
Chlorobenzene		U		U		U		U		U		U		U		U
Chloroethane		U		U		U		U	8.5			U		U		U
Chloroform		U		U	7.5			U	4.6			U		U		U
Chloromethane		U		U		U		U		U		U		U		U
cis-1,2-Dichloroethene	13000		5.4		9800		1.6	J	6600		4.4	J	5900		2.6	J
cis-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Dibromochloromethane		U		U		U		U		U		U		U		U
Ethylbenzene		U		U	7			U	5.5			U		U		U
Methylene chloride	660			U	300			U	200			U	650			U
Tetrachloroethene		U		U	12			U		U		U		U		U
Toluene	450		0.25		270			U	200			U	180			U
trans-1,2-Dichloroethene		U		U	72			U	33			U		U		U
trans-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Trichloroethene		U		U	78			U	13			U		U		U
Trichlorofluoromethane		U		U		U		U		U		U		U		U
Vinyl chloride	6400		0.45		3600			U	4100			U	2600			U
Xylenes (total)		U		U	73			U	60			U		U		U

Parameters List (USEPA Method 624)	5/12/2009				6/12/2009				7/6/2009				8/14/2009			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag
1,1,1-Trichloroethane	460			U	510			U	650	J		U	400	J		U
1,1,2,2-Tetrachloroethane		U		U		U		U		U		U		U		U
1,1,2-Trichloroethane		U		U		U		U	1.1	J		U		U		U
1,1-Dichloroethane	1300			U				U	1500			U	1600			U
1,1-Dichloroethene		U		U	80			U	92			U	72			U
1,2-Dichlorobenzene		U		U		U		U		U		U		U		U
1,2-Dichloroethane		U		U	19			U	21			U	18			U
1,2-Dichloropropane		U		U		U		U	0.76	J		U	1.2	J		U
1,3-Dichlorobenzene		U		U		U		U		U		U		U		U
1,4-Dichlorobenzene		U		U		U		U		U		U		U		U
2-Chloroethylvinyl ether		U		U		U		U		U		U		U		U
Benzene		U		U	3.6			U	4.5	J		U	4.7	J		U
Bromodichloromethane		U		U		U		U		U		U		U		U
Bromoform		U		U		U		U		U		U		U		U
Bromomethane		U		U		U		U		U		U		U		U
Carbon tetrachloride		U		U		U		U		U		U		U		U
Chlorobenzene		U		U		U		U		U		U		U		U
Chloroethane		U		U		U		U		U		U	49			U
Chloroform		U		U		U		U	1.6	J		U	1.2	J		U
Chloromethane		U		U		U		U		U		U		U		U
cis-1,2-Dichloroethene	5800		1.9	J	5100		3.1	J	7200		3.5	J	5800		4.6	J
cis-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Dibromochloromethane		U		U		U		U		U		U		U		U
Ethylbenzene		U		U	4.6			U	6.5			U	5			U
Methylene chloride	600			U	250			U	750	J		U	230	J		U
Tetrachloroethene		U		U	5.5			U	18			U	6.9			U
Toluene	180			U	190			U	240	J		U	190	J		U
trans-1,2-Dichloroethene		U		U		U		U	37			U	36			U
trans-1,3-Dichloropropene		U		U		U		U		U		U		U		U
Trichloroethene		U		U	14			U	51			U	49			U
Trichlorofluoromethane		U		U		U		U		U		U			1.1	J
Vinyl chloride	2500			U	2100			U	2500			U	3300			U
Xylenes (total)		U		U		U		U	62			U	53			U

Parameters List (USEPA Method 624)	9/3/2009				10/23/2009				11/17/2009				12/17/2009			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag
1,1,1-Trichloroethane	460	J		U	430				310				270			
1,1,2,2-Tetrachloroethane		U		U												
1,1,2-Trichloroethane		U		U												
1,1-Dichloroethane	1300			U	1200				1100				1300		0.80	J
1,1-Dichloroethene		U		U	47	J							43	J		
1,2-Dichlorobenzene		U		U												
1,2-Dichloroethane		U		U												
1,2-Dichloropropane		U		U												
1,3-Dichlorobenzene		U		U												
1,4-Dichlorobenzene		U		U												
2-Chloroethylvinyl ether		U		U												
Benzene		U		U												
Bromodichloromethane		U		U												
Bromoform		U		U												
Bromomethane		U		U												
Carbon tetrachloride		U		U												
Chlorobenzene		U		U												
Chloroethane		U		U												
Chloroform		U		U												
Chloromethane		U		U												
cis-1,2-Dichloroethene	5800		1.2	J	3500		1.9	J	2700		1.6	J	2900		2.3	J
cis-1,3-Dichloropropene		U		U												
Dibromochloromethane		U		U												
Ethylbenzene		U		U												
Methylene chloride	320	J B		U	100											
Tetrachloroethene		U		U												
Toluene	200	J		U	150				120	J			150	J		
trans-1,2-Dichloroethene		U		U	28	J										
trans-1,3-Dichloropropene		U		U												
Trichloroethene		U		U	26	J							44	J		
Trichlorofluoromethane		U		U												
Vinyl chloride	2600			U	2100				2000				2300			
Xylenes (total)		U		U												

Parameters List (USEPA Method 624)	1/27/2010				2/22/2010				3/29/2010				4/27/2010			
	System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent		System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag
1,1,1-Trichloroethane	310				140	J			130	J			140	J		
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane	2200		1.4	J	1200				1400				1200			
1,1-Dichloroethene																
1,2-Dichlorobenzene																
1,2-Dichloroethane																
1,2-Dichloropropane																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
2-Chloroethylvinyl ether																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon tetrachloride																
Chlorobenzene																
Chloroethane																
Chloroform																
Chloromethane																
cis-1,2-Dichloroethene	3900		3.6	J	2300		1.5	J	2200		2.1	J	1800			
cis-1,3-Dichloropropene																
Dibromochloromethane																
Ethylbenzene																
Methylene chloride					41	J							54	J		
Tetrachloroethene																
Toluene	210	J			76	J			140	J			84	J		
trans-1,2-Dichloroethene	40	J														
trans-1,3-Dichloropropene																
Trichloroethene	55	J														
Trichlorofluoromethane																
Vinyl chloride	3900				1300				1800				1600			
Xylenes (total)																

Parameters List (USEPA Method 624)	5/30/2010			
	System Influent		System Effluent	
	Concentration (µg/L)	Flag	Concentration (ug/L)	Flag
1,1,1-Trichloroethane	110	J		
1,1,2,2-Tetrachloroethane				
1,1,2-Trichloroethane				
1,1-Dichloroethane	980			
1,1-Dichloroethene				
1,2-Dichlorobenzene				
1,2-Dichloroethane				
1,2-Dichloropropane				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
2-Chloroethylvinyl ether				
Benzene				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon tetrachloride				
Chlorobenzene				
Chloroethane				
Chloroform				
Chloromethane				
cis-1,2-Dichloroethene	2200		1.7	J
cis-1,3-Dichloropropene				
Dibromochloromethane				
Ethylbenzene				
Methylene chloride	88	J		
Tetrachloroethene				
Toluene				
trans-1,2-Dichloroethene	33	J		
trans-1,3-Dichloropropene				
Trichloroethene				
Trichlorofluoromethane				
Vinyl chloride	1300			
Xylenes (total)				

TABLE 2 SYSTEM EFFLUENT AIR SAMPLE RESULTS

Compound Name	19-Mar-08	26-Mar-08	2-Apr-08	8-Apr-08	25-Apr-08	6-May-08	6-Jun-08	1-Jul-08	8-Aug-08	16-Sep-08	8-Oct-08	13-Nov-08	27-Jan-09	10-Feb-09	10-Mar-09	2-Apr-09	12-May-09	12-Jun-09
	VOLATILE ORGANIC COMPOUNDS UNITED STATES ENVIROMENTAL PROTECTION AGENCY METHOD TO-15 ($\mu g/m^3$)																	
Freon 12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	ND
Vinyl Chloride	4500	4800	270	2700	4300	3700	5400	2500	6100	11000	5200	6400	18000	6300	15000	6400	4600 D	9300
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110 J	ND	37 J	ND	2.1	94 J
Freon 11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	290	610	33	280	390	270	970	340	490	1600	390	420	600	230	8500	240	170 D	400
Acetone	ND	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100 J	ND	ND	33	ND
2-Propanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31 J	ND	ND	6.1	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	960	830	44	390	510	420	2500	690	2600	3600	920	1100	4000	860 B	1300 B	1400	920 D	2100
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	`	ND	ND	ND	ND	3 J	ND
trans-1,2-Dichloroethene	ND	ND	8.0	88	100	84	110	88	ND	180	100	ND	220 J	ND	160 J	ND	120	170 J
Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51 J	ND	ND	1.7 J	190 J
1,1-Dichloroethane	1300	2700	150	1600	2100	1600	3200	1800	5500	5700	2800	3700	8500	3300	150 J	5500	2700 D	6900
2-Butanone (Methyl Ethyl Ketone)	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	18000	37000	1600 E	16000	21000	14000	41000	20000	42000	70000	31000	37000	65000	24000	36000	27000	14000 D	33000
Tetrahydrofuran	ND	ND	27	37	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	6.3	77 J
Chloroform	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8	ND
1,1,1-Trichloroethane	2500	9300	410	3500	3900	2700	5900	3900	5100	9200	5300	4400	9100	2900	4000	2500	1300 D	3400
Cyclohexane	ND	ND	ND	ND	ND	ND	71	3000	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	84 J
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130 J	ND	ND	26	95 J
1,2-Dichloroethane	ND	ND	5.7	ND	67	ND	76	ND	ND	ND	ND	ND	190 J	83 J	150 J	ND	170	150 J
Heptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99 J	ND
Trichloroethene	1600	9500	410	3200	4800	2800	470	3000	480	590	2100	ND	220 J	160 J	ND	190 J	77	110 J
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	89 J
Toluene	620	720	32	190	ND	180	850	150	730	1800	310	910	2100	980	1400	1100	510 D	1300
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	ND
Tetrachloroethene	1000	12000	450	3400	4900	3100	180	2500	3400	800	740	ND	ND	ND	120 J	ND	27	ND

NOTE: $\mu g/m^3$ = micrograms per cubic meter
ND = Analyte detected below the method detection limit.
J = Reported Value is an Estimate.
D =
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
E = Reported value is an estimate.

Compound Name	19-Mar-08	26-Mar-08	2-Apr-08	8-Apr-08	25-Apr-08	6-May-08	6-Jun-08	1-Jul-08	8-Aug-08	16-Sep-08	8-Oct-08	13-Nov-08	27-Jan-09	10-Feb-09	10-Mar-09	2-Apr-09	12-May-09	12-Jun-09
	VOLATILE ORGANIC COMPOUNDS UNITED STATES ENVIROMENTAL PROTECTION AGENCY METHOD TO-15 ($\mu g/m^3$)																	
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87 J	ND	ND	ND	0.54 J	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.97	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND
m,p-Xylene	ND	ND	4.6	ND	ND	ND	83	ND	ND	580	ND	ND	ND	230 J	ND	330	200	360
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	120 J	110 J	ND	130	190 J
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	ND
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound Name	6-Jul-09	14-Aug-09	3-Sep-09	23-Oct-09	17-Nov-09	17-Dec-09	27-Jan-10	22-Feb-10	29-Mar-10	27-Apr-10	30-May-10	
	VOLATILE ORGANIC COMPOUNDS UNITED STATES ENVIROMENTAL PROTECTION AGENCY METHOD TO-15 (µg/m^3)											
Freon 12	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
Freon 114	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
Chloromethane	ND	ND	ND	1.5	ND	ND	ND	ND	1	ND		
Vinyl Chloride	10000	6400	9000	990 D	9700	22000	25000	6600	800 D	6200		
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chloroethane	60	58 J	ND	1.8	ND	88 J	99 J	63	7	99		
Freon 11	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Freon 113	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
1,1-Dichloroethene	390	140	290	17	170	390	250	130	8.9	100 J		
Acetone	ND	ND	ND	16	ND	ND	ND	ND	6.0 J	ND		
2-Propanol	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
Carbon Disulfide	ND	40 J	130 JB	1.1 J	ND	ND	ND	9.3 J	0.36 J	ND		
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Methylene Chloride	1500	600	2100 B	42	ND	350	710 B	140 B	1.1 J	190 J		
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
trans-1,2-Dichloroethene	140	100	ND	13	170	350	340	140	13	120		
n-Hexane	ND	ND	ND	ND	ND	ND	ND	ND	0.60 J	18 J		
1,1-Dichloroethane	7400	3900	7700	590 D	6100	17000	18000	5500	660 D	5800		
2-Butanone (Methyl Ethyl Ketone)	ND	ND	ND	3.3	ND	ND	ND	ND	0.96 J	ND		
cis-1,2-Dichloroethene	35000 E	16000	30000	2000 D	17000	30000	31000	12000	1100 D	9100		
Tetrahydrofuran	ND	ND	ND	3.3	ND	ND	ND	ND	0.74 J	ND		
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J	ND		
1,1,1-Trichloroethane	3700	ND	3200	230	2200	3600	2300	740	67	740		
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND		
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND		
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	0.30 J	ND		
Benzene	ND	24 J	ND	2.7	ND	78 J	83 J	14 J	3.1	ND		
1,2-Dichloroethane	100	76 J	ND	8.0	ND	160 J	150 J	40	6.1	52 J		
n-Heptane	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND		
Trichloroethene	220 B	140	ND	10	130 J	430	410	120	15	160		
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND		
1,4-Dioxane	ND	ND	ND	4.8	ND	ND	ND	ND	0.53 J	ND		
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J	ND		
Toluene	1000	810	1600	94	1000	1900	2400	46	67	550		
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	ND	ND	ND	3.8	ND	210 J	330	16 J	7.9	94 J		
2-Hexanone	49 J	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND		
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Ethyl Benzene	ND	ND	ND	2.3	ND	ND	ND	ND	2.1	ND		
m,p-Xylene	150	150	ND	13	170	150 J	270	ND	10	ND		
o-Xylene	94	92 J	ND	9.8	ND	95 J	220	ND	8.2	59 J		
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Cumene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4-Ethyltoluene	ND	ND	ND	0.59 J	ND	ND	ND	ND	0.71 J	ND		
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.89 J	ND		
1,2,4-Trimethylbenzene	ND	ND	ND	2.4	ND	ND	ND	ND	2.1	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
alpha-Chlorotoluene	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA		
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Trichlorofluoromethane	ND	ND	ND	1.4	ND	ND	ND	ND	1.2	32 J		
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Dichlorodifluoromethane	ND	ND	ND	2.8	ND	ND	ND	ND	2.2	ND		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND		
Isopropyl alcohol	ND	ND	41 J	1.1 J	ND	ND	ND	ND	0.95 J	ND		

NOTE: NA = Not Analyzed.

Appendix A

Pump and Treat System Monitoring Logs

CHEM CORE PUMP AND TREAT SYSTEM MONITORING
1447402
NYSDEC NO. 9-15-176

DATE:	27-Apr-10
ONSITE	900
OFFSITE	1100

ALARM SINCE LAST VISIT **NO**

AS Perssure (inches of water)	8
PID Stripper Effluent (PPM)	8.2
FM Filter (gallon)	1660000

Bag Filter Pressure	In	Out
1A (psi)	11.5	7.5
1B (psi)	8.5	7.5
2A (psi)		
2B (psi)		

Bag filters 2A and 2B were replaced.

FM WELL 1 (gal)	897900
FM WELL 2 (gal)	976500
DP 1 (psi)	9.5
DP 2 (psi)	

0 = pump not on

Blower Pressure (inches water)	30
Vapor Flow Rate (Ft./min)	245

PANEL READINGS

FM-FILT (GAL)	1660190	FM1-LPN (GPM)	2
FM-1-LPN (GAL)	897842	FM2-LPN (GPM)	0
FM2-LPN (GAL)	976313	FM-FILT (GPM)	
WP-1 WELL (HRS)	5345	LT1-WELL (FT)	11
WP-2 WELL (HRS	6253	LT2-WELL (FT)	12
AB-STRP (HRS)	17623	LT-INTNK (INCHES)	16

MONITORING WELLS

WELL	DTP	DTW
MW-20		24.98
MW-21		26.67
MW-22		26.57

CAT-OX RUNNING YES **NO**

INLET TEMP (F)		FLAME SIGNAL (VOLTS)
OUTLET TEMP (F)		
HI-TEMP LIMIT (F)		PID STACK (PPM)
STACK TEMP (F)		

COMMENTS: DP1 turned OFF and DP2/AB-STRP ran in HAND for system check and sampling. DP2/AB-STRP were left in AUTO. Bldg heater was turned down to 57F.

CHEM CORE PUMP AND TREAT SYSTEM MONITORING
1447402
NYSDEC NO. 9-15-176

DATE:	30-May-10
ONSITE	530
OFFSITE	630

ALARM SINCE LAST VISIT **NO**

AS Perssure (inches of water)	10
PID Stripper Effluent (PPM)	11.6
FM Filter (gallon)	1683000

Bag Filter Pressure	In	Out
1A (psi)	11	7
1B (psi)	7.5	7
2A (psi)		
2B (psi)		

FM WELL 1 (gal)	912800
FM WELL 2 (gal)	989500
DP 1 (psi)	9
DP 2 (psi)	0

0 = pump not on

Blower Pressure (inches water)	---
Vapor Flow Rate (Ft./min)	---

PANEL READINGS

FM-FILT (GAL)	1683209	FM1-LPN (GPM)	---
FM-1-LPN (GAL)	912710	FM2-LPN (GPM)	---
FM2-LPN (GAL)	989326	FM-FILT (GPM)	10
WP-1 WELL (HRS)	5451	LT1-WELL (FT)	13
WP-2 WELL (HRS	6349	LT2-WELL (FT)	10
AB-STRP (HRS)	17660	LT-INTNK (INCHES)	12

MONITORING WELLS

WELL	DTP	DTW
MW-20		24.84
MW-21		26.53
MW-22		26.62

CAT-OX RUNNING YES **NO**

INLET TEMP (F)		FLAME SIGNAL (VOLTS)
OUTLET TEMP (F)		
HI-TEMP LIMIT (F)		PID STACK (PPM)
STACK TEMP (F)		

COMMENTS: System was shut down after O&M was completed.

Appendix B

Discharge Permit Requirements
(City of Buffalo Sewer Authority)

Place holder until we recieve ours

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO. 07-01-BU121
EPA CATEGORY 40 CFR 403

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, and the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

HORIZON ENVIRONMENTAL SERVICES, INC.

to discharge wastewater from a facility located at:

1382 NIAGARA STREET, BUFFALO, NEW YORK, 14214

to the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **January 31, 2007** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

Effective this 15th day of February, 2007

To Expire the 14th day of February, 2010

_______________ - Jim Oberholt ext: 255
General Manager

716-823-1800

251-4664

Signed this 12th **day of** February, **2007**

- Letter report
- Analysis

GS ~~NIAG~~

2 Bird Ave
Buffalo, NY 14213

PART I: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **monthly** by the permittee as specified below.

Sample Point	Parameter	Discharge Limitations[1] Daily Max	Sampling Requirements Period	Type
001	pH	5.0 – 12.0 S.U.	1 day	Composite[2]
	Total Cadmium	0.125 lbs.	1 day	Composite[2]
	Total Chromium	0.626 lbs.	1 day	Composite[2]
	Total Copper	2.002 lbs.	1 day	Composite[2]
	Total Lead	0.626 lbs.	1 day	Composite[2]
	Total Mercury	0.0001 lbs.	1 day	Composite[2]
	Total Nickel	1.721 lbs.	1 day	Composite[2]
	Total Silver	0.275 lbs.	1 day	Composite[2]
	Total Zinc	3.127 lbs.	1 day	Composite[2]
	Total Extractable Hydrocarbons	100 mg/l	1 day	Composite[2]
	Total Suspended Solids[5]	250 mg/l	1 day	Composite[2]
	Total Phosphates[5]	15.34 mg/l	1 day	Composite[2]
	Total Flow	15,00 gallons[6]	1 day	Discharge meter reading

Footnotes are explained on page 5.

PART I: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall (see attached map) shall be limited and monitored **monthly** by the permittee as specified below.

Sample Point	Parameter	Discharge Limitations[(1)] Daily Max	Sampling Requirements Period	Type
001	USEPA Test Method 624[4]	To be monitored	1 day	Grab[3]
	USEPA Test Method 625[4]	To be monitored	1 day	Grab[3]

Footnotes are explained on page 5.

PART I: SPECIFIC CONDITIONS

B. DISCHARGE MONITORING REPORTING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported **monthly** by the permittee on the days specified below:

Sample Point	Parameter	Reporting Requirements	
		Initial Report	**Subsequent Reports**
001	All parameters	March 31, 2007	End of each month of permit

PART I: SPECIFIC CONDITIONS

C. SPECIAL REQUIREMENTS

1. Mass limits based on an average discharge of 15,00 0 gpd.

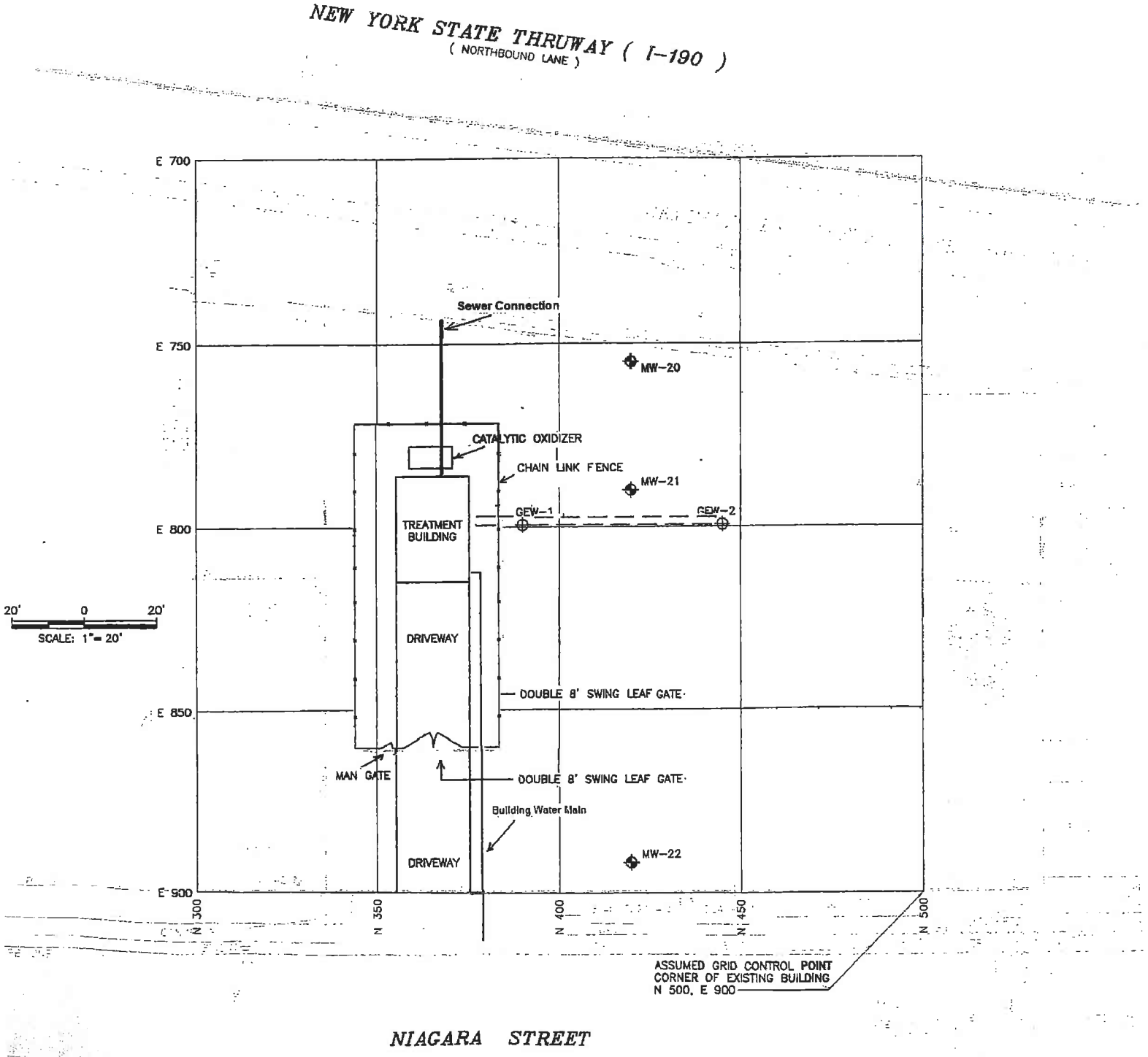
2. Composite samples may be time proportioned.

3. Four grab samples must be collected at equally spaced intervals throughout the sample day. The four (4) grab samples must be composited by a NYSDOH certified laboratory prior to analysis.

4. The permittee must report any compound whose concentration is equal to or greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards or harm the sewerage system. Any parameter detected may, at the discretion of the BSA, be specifically limited and incorporated in this permit.

5. Surchargeable parameter.

6. Flow is an action level only. If the permittee consistently exceeds this level, the BSA must be notified so that this permit can be modified.


NEW YORK STATE THRUWAY (I-190)
(NORTHBOUND LANE)
E 700
E 750
E 800
E 850
E 900
N 300
N 350
N 400
N 450
N 500
Sewer Connection
MW-20
CATALYTIC OXIDIZER
CHAIN LINK FENCE
MW-21
GEW-1
GEW-2
TREATMENT BUILDING
DRIVEWAY
DOUBLE 8' SWING LEAF GATE
MAN GATE
DOUBLE 8' SWING LEAF GATE
Building Water Main
DRIVEWAY
MW-22
20' 0 20'
SCALE: 1"= 20'
ASSUMED GRID CONTROL POINT
CORNER OF EXISTING BUILDING
N 500, E 900
NIAGARA STREET

Appendix C

Laboratory Analytical Data, Form Is, and Chain of Custody Forms

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 1447402

Chemcore

Lot #: H0D280480

David Szymanski

New York State D.E.C.
270 Michigan Avenue
Buffalo, NY 14203-2999

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

May 6, 2010

ANALYTICAL METHODS SUMMARY

H0D280480

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H0D280480

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L0M36	001	SYSTEM EFFLUENT	04/27/10	13:30

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.

PROJECT NARRATIVE
H0D280480

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Quantitation for ethanol was based on a one-point calibration standard at the reporting limit. Results for this analyte should be considered estimated.

New York State D.E.C.

Client Sample ID: SYSTEM EFFLUENT

GC/MS Volatiles

Lot-Sample # H0D280480 - 001 **Work Order #** L0M361AA **Matrix.....:** AIR

Date Sampled...: 04/27/2010 **Date Received..:** 04/28/2010
Prep Date.....: 04/30/2010 **Analysis Date...** 04/30/2010
Prep Batch #.....: 0124091
Dilution Factor.: 148.2 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	30	ND		130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	30	ND		210
Acetone	ND	740	ND		1800
1,4-Dioxane	ND	74	ND		270
Ethanol	ND	300	ND		560
Ethylbenzene	ND	30	ND		130
Trichlorofluoromethane	**5.8**	**30**	**32**	**J**	**170**
n-Heptane	ND	74	ND		300
Hexachlorobutadiene	ND	150	ND		1600
n-Hexane	**5.1**	**74**	**18**	**J**	**260**
2-Hexanone	ND	74	ND		300
2,2,4-Trimethylpentane	ND	74	ND		350
Isopropyl alcohol	ND	300	ND		730
Cumene	ND	59	ND		290
Methylene chloride	**54**	**74**	**190**	**J**	**260**
Benzene	ND	30	ND		95
n-Propylbenzene	ND	59	ND		290
Styrene	ND	30	ND		130
1,1,2,2-Tetrachloroethane	ND	30	ND		200
Tetrachloroethene	**14**	**30**	**94**	**J**	**200**
Tetrahydrofuran	ND	150	ND		440
Toluene	**150**	**30**	**550**		**110**
1,2,4-Trichlorobenzene	ND	150	ND		1100
1,1,1-Trichloroethane	**140**	**30**	**740**		**160**
1,1,2-Trichloroethane	ND	30	ND		160
Trichloroethene	**30**	**30**	**160**		**160**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	30	ND		230
1,2,4-Trimethylbenzene	ND	30	ND		150
1,3,5-Trimethylbenzene	ND	30	ND		150
Vinyl chloride	**2400**	**30**	**6200**		**76**
o-Xylene	**14**	**30**	**59**	**J**	**130**
Methyl tert-butyl ether	ND	150	ND		530
m-Xylene & p-Xylene	ND	30	ND		130
Bromodichloromethane	ND	30	ND		200
1,2-Dibromoethane (EDB)	ND	30	ND		230
2-Butanone (MEK)	ND	150	ND		440
4-Methyl-2-pentanone (MIBK)	ND	74	ND		300
Bromoform	ND	30	ND		310
Bromomethane	ND	30	ND		120

New York State D.E.C.

Client Sample ID: SYSTEM EFFLUENT

GC/MS Volatiles

Lot-Sample # H0D280480 - 001 **Work Order #** L0M361AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
1,3-Butadiene	ND	59	ND		130
4-Ethyltoluene	ND	59	ND		290
Carbon disulfide	ND	74	ND		230
Carbon tetrachloride	ND	30	ND		190
Chlorobenzene	ND	30	ND		140
Dibromochloromethane	ND	30	ND		250
Chloroethane	**37**	**30**	**99**		**78**
Chloroform	ND	30	ND		140
Chloromethane	ND	74	ND		150
3-Chloropropene	ND	30	ND		93
2-Chlorotoluene	ND	59	ND		310
Cyclohexane	ND	74	ND		260
1,2-Dichlorobenzene	ND	30	ND		180
1,3-Dichlorobenzene	ND	30	ND		180
1,4-Dichlorobenzene	ND	30	ND		180
Dichlorodifluoromethane	ND	30	ND		150
1,1-Dichloroethane	**1400**	**30**	**5800**		**120**
1,2-Dichloroethane	**13**	**30**	**52**	**J**	**120**
1,1-Dichloroethene	**26**	**30**	**100**	**J**	**120**
cis-1,2-Dichloroethene	**2300**	**30**	**9100**		**120**
trans-1,2-Dichloroethene	**30**	**30**	**120**		**120**
1,2-Dichloropropane	ND	30	ND		140
cis-1,3-Dichloropropene	ND	30	ND		130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H0E040000 - 091B	**Work Order #**	L0XQX1AA	**Matrix.....:**	AIR
	04/26/2010	**Date Received..:**	04/29/2010		
Prep Date.....:	04/30/2010	**Analysis Date...**	04/30/2010		
Prep Batch #.....:	0124091				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
Acetone	ND	5.0	ND	12
1,4-Dioxane	ND	0.50	ND	1.8
Ethanol	ND	2.0	ND	3.8
Ethylbenzene	ND	0.20	ND	0.87
Trichlorofluoromethane	ND	0.20	ND	1.1
n-Heptane	ND	0.50	ND	2.0
Hexachlorobutadiene	ND	1.0	ND	11
n-Hexane	ND	0.50	ND	1.8
2-Hexanone	ND	0.50	ND	2.0
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
Isopropyl alcohol	ND	2.0	ND	4.9
Cumene	ND	0.40	ND	2.0
Methylene chloride	ND	0.50	ND	1.7
Benzene	ND	0.20	ND	0.64
n-Propylbenzene	ND	0.40	ND	2.0
Styrene	ND	0.20	ND	0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
Tetrachloroethene	ND	0.20	ND	1.4
Tetrahydrofuran	ND	1.0	ND	2.9
Toluene	ND	0.20	ND	0.75
1,2,4-Trichlorobenzene	ND	1.0	ND	7.4
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2-Trichloroethane	ND	0.20	ND	1.1
Trichloroethene	ND	0.20	ND	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
Vinyl chloride	ND	0.20	ND	0.51
o-Xylene	ND	0.20	ND	0.87
Methyl tert-butyl ether	ND	1.0	ND	3.6
m-Xylene & p-Xylene	ND	0.20	ND	0.87
Bromodichloromethane	ND	0.20	ND	1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
2-Butanone (MEK)	ND	1.0	ND	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Bromoform	ND	0.20	ND	2.1

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H0E040000 - 091B **Work Order #** L0XQX1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Bromomethane	ND	0.20	ND	0.78
1,3-Butadiene	ND	0.40	ND	0.88
4-Ethyltoluene	ND	0.40	ND	2.0
Carbon disulfide	ND	0.50	ND	1.6
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0E040000 - 091C **Work Order #** L0XQX1AC **Matrix.....:** AIR

	04/26/2010	**Date Received..:**	04/29/2010
Prep Date.....:	04/30/2010	**Analysis Date...**	04/30/2010
Prep Batch #.....:	0124091		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	10.0	10.1	45	46	101	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	12.1	70	85	121	60 - 140
Acetone	10.0	10.1	24	24	101	60 - 140
1,4-Dioxane	10.0	8.13	36	29	81	60 - 140
Ethylbenzene	10.0	10.2	43	45	102	70 - 130
Trichlorofluoromethane	10.0	10.3	56	58	103	60 - 140
n-Heptane	10.0	10.6	41	44	106	70 - 130
Hexachlorobutadiene	10.0	9.56	110	100	96	60 - 140
n-Hexane	10.0	9.80	35	35	98	70 - 130
2-Hexanone	10.0	10.1	41	41	101	60 - 140
2,2,4-Trimethylpentane	10.0	10.5	47	49	105	70 - 130
Isopropyl alcohol	10.0	9.24	25	23	92	60 - 140
Cumene	10.0	10.9	49	54	109	70 - 130
Methylene chloride	10.0	8.86	35	31	89	70 - 130
Benzene	10.0	9.85	32	31	99	70 - 130
n-Propylbenzene	10.0	10.7	49	53	107	70 - 130
Styrene	10.0	11.0	43	47	110	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.2	69	77	112	70 - 130
Tetrachloroethene	10.0	9.61	68	65	96	70 - 130
Tetrahydrofuran	10.0	10.0	29	30	100	70 - 130
Toluene	10.0	9.96	38	38	100	70 - 130
1,2,4-Trichlorobenzene	10.0	9.38	74	70	94	60 - 140
1,1,1-Trichloroethane	10.0	9.89	55	54	99	70 - 130
1,1,2-Trichloroethane	10.0	10.6	55	58	106	70 - 130
Trichloroethene	10.0	9.79	54	53	98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.03	77	69	90	70 - 130
1,2,4-Trimethylbenzene	10.0	10.7	49	52	107	70 - 130
1,3,5-Trimethylbenzene	10.0	10.4	49	51	104	70 - 130
Vinyl chloride	10.0	10.7	26	27	107	70 - 130
o-Xylene	10.0	10.4	43	45	104	70 - 130
Methyl tert-butyl ether	10.0	10.3	36	37	103	60 - 140
m-Xylene & p-Xylene	20.0	20.9	87	91	104	70 - 130
Bromodichloromethane	10.0	10.8	67	73	108	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.4	77	80	104	70 - 130
2-Butanone (MEK)	10.0	10.5	29	31	105	60 - 140
4-Methyl-2-pentanone (MIBK)	10.0	10.7	41	44	107	60 - 140
Bromoform	10.0	10.8	100	110	108	70 - 130

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H0E040000 - 091C **Work Order #** L0XQX1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Bromomethane	10.0	10.7	39	42	107	70 - 130
1,3-Butadiene	10.0	10.6	22	23	106	60 - 140
4-Ethyltoluene	10.0	10.6	49	52	106	70 - 130
Carbon disulfide	10.0	10.9	31	34	109	70 - 130
Carbon tetrachloride	10.0	9.42	63	59	94	70 - 130
Chlorobenzene	10.0	9.65	46	44	96	70 - 130
Dibromochloromethane	10.0	10.9	85	93	109	70 - 130
Chloroethane	10.0	10.9	26	29	109	70 - 130
Chloroform	10.0	9.52	49	46	95	70 - 130
Chloromethane	10.0	10.8	21	22	108	60 - 140
3-Chloropropene	10.0	8.87	31	28	89	70 - 130
2-Chlorotoluene	10.0	10.0	52	52	100	70 - 130
Cyclohexane	10.0	11.4	34	39	114	70 - 130
1,2-Dichlorobenzene	10.0	10.4	60	62	104	70 - 130
1,3-Dichlorobenzene	10.0	9.97	60	60	100	70 - 130
1,4-Dichlorobenzene	10.0	9.87	60	59	99	70 - 130
Dichlorodifluoromethane	10.0	10.7	49	53	107	60 - 140
1,1-Dichloroethane	10.0	9.68	40	39	97	70 - 130
1,2-Dichloroethane	10.0	9.79	40	40	98	70 - 130
1,1-Dichloroethene	10.0	9.12	40	36	91	70 - 130
cis-1,2-Dichloroethene	10.0	9.59	40	38	96	70 - 130
trans-1,2-Dichloroethene	10.0	10.7	40	42	107	70 - 130
1,2-Dichloropropane	10.0	10.5	46	48	105	70 - 130
cis-1,3-Dichloropropene	10.0	10.5	45	48	105	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Test America Knoxville GC/MS Volatiles

Lot ID: H0D280480 **Batch #:** 8592
Matrix: Air **Can #:** 7512

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
cis-1,2-Dichloroethene	ND	0.20	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.20	ppb (v/v)
m-Xylene & p-Xylene	ND	0.20	ppb (v/v)
n-Heptane	ND	0.50	ppb (v/v)
n-Hexane	ND	0.50	ppb (v/v)
n-Propylbenzene	ND	0.40	ppb (v/v)
o-Xylene	ND	0.20	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.20	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.20	ppb (v/v)
Acetone	ND	5.0	ppb (v/v)
Benzene	ND	0.20	ppb (v/v)
Bromodichloromethane	ND	0.20	ppb (v/v)
Bromoform	ND	0.20	ppb (v/v)
Bromomethane	ND	0.20	ppb (v/v)
Carbon disulfide	ND	0.50	ppb (v/v)
Carbon tetrachloride	ND	0.20	ppb (v/v)
Chlorobenzene	ND	0.20	ppb (v/v)
Chloroethane	ND	0.20	ppb (v/v)
Chloroform	ND	0.20	ppb (v/v)
Chloromethane	ND	0.50	ppb (v/v)
Cumene	ND	0.40	ppb (v/v)
Cyclohexane	ND	0.50	ppb (v/v)
Dibromochloromethane	ND	0.20	ppb (v/v)
Dichlorodifluoromethane	ND	0.20	ppb (v/v)
Ethanol	ND	2.0	ppb (v/v)
Ethylbenzene	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	1.0	ppb (v/v)
Isopropyl alcohol	ND	2.0	ppb (v/v)
Methyl tert-butyl ether	ND	1.0	ppb (v/v)
Methylene chloride	ND	0.50	ppb (v/v)
Styrene	ND	0.20	ppb (v/v)
Tetrachloroethene	ND	0.20	ppb (v/v)
Tetrahydrofuran	ND	1.0	ppb (v/v)
Toluene	ND	0.20	ppb (v/v)
Trichloroethene	ND	0.20	ppb (v/v)
Trichlorofluoromethane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.20	ppb (v/v)
1,1-Dichloroethane	ND	0.20	ppb (v/v)
1,1-Dichloroethene	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H0D280480 **Batch #:** 8592
Matrix: Air **Can #:** 7512

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.20	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ppb (v/v)
1,1,2-Trichloroethane	ND	0.20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.20	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb (v/v)
1,2-Dichlorobenzene	ND	0.20	ppb (v/v)
1,2-Dichloroethane	ND	0.20	ppb (v/v)
1,2-Dichloropropane	ND	0.20	ppb (v/v)
1,2,4-Trichlorobenzene	ND	1.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.20	ppb (v/v)
1,3-Butadiene	ND	0.40	ppb (v/v)
1,3-Dichlorobenzene	ND	0.20	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.20	ppb (v/v)
1,4-Dichlorobenzene	ND	0.20	ppb (v/v)
1,4-Dioxane	ND	0.50	ppb (v/v)
2-Butanone (MEK)	ND	1.0	ppb (v/v)
2-Chlorotoluene	ND	0.40	ppb (v/v)
2-Hexanone	ND	0.50	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.50	ppb (v/v)
3-Chloropropene	ND	0.20	ppb (v/v)
4-Ethyltoluene	ND	0.40	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H0D280480 **Batch #:** 8609
Matrix: Air **Can #:** 7783

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
cis-1,2-Dichloroethene	ND	0.20	ppb (v/v)
cis-1,3-Dichloropropene	ND	0.20	ppb (v/v)
m-Xylene & p-Xylene	ND	0.20	ppb (v/v)
n-Heptane	ND	0.50	ppb (v/v)
n-Hexane	ND	0.50	ppb (v/v)
n-Propylbenzene	ND	0.40	ppb (v/v)
o-Xylene	ND	0.20	ppb (v/v)
trans-1,2-Dichloroethene	ND	0.20	ppb (v/v)
trans-1,3-Dichloropropene	ND	0.20	ppb (v/v)
Acetone	ND	5.0	ppb (v/v)
Benzene	ND	0.20	ppb (v/v)
Bromodichloromethane	ND	0.20	ppb (v/v)
Bromoform	ND	0.20	ppb (v/v)
Bromomethane	ND	0.20	ppb (v/v)
Carbon disulfide	ND	0.50	ppb (v/v)
Carbon tetrachloride	ND	0.20	ppb (v/v)
Chlorobenzene	ND	0.20	ppb (v/v)
Chloroethane	ND	0.20	ppb (v/v)
Chloroform	ND	0.20	ppb (v/v)
Chloromethane	ND	0.50	ppb (v/v)
Cumene	ND	0.40	ppb (v/v)
Cyclohexane	ND	0.50	ppb (v/v)
Dibromochloromethane	ND	0.20	ppb (v/v)
Dichlorodifluoromethane	ND	0.20	ppb (v/v)
Ethanol	ND	2.0	ppb (v/v)
Ethylbenzene	ND	0.20	ppb (v/v)
Hexachlorobutadiene	ND	1.0	ppb (v/v)
Isopropyl alcohol	ND	2.0	ppb (v/v)
Methyl tert-butyl ether	ND	1.0	ppb (v/v)
Methylene chloride	ND	0.50	ppb (v/v)
Styrene	ND	0.20	ppb (v/v)
Tetrachloroethene	ND	0.20	ppb (v/v)
Tetrahydrofuran	ND	1.0	ppb (v/v)
Toluene	ND	0.20	ppb (v/v)
Trichloroethene	ND	0.20	ppb (v/v)
Trichlorofluoromethane	ND	0.20	ppb (v/v)
Vinyl chloride	ND	0.20	ppb (v/v)
1,1-Dichloroethane	ND	0.20	ppb (v/v)
1,1-Dichloroethene	ND	0.20	ppb (v/v)

Test America Knoxville GC/MS Volatiles

Lot ID: H0D280480 **Batch #:** 8609
Matrix: Air **Can #:** 7783

Method: EPA-2 TO-15

Parameter	Result	Reporting Limit	Units
1,1,1-Trichloroethane	ND	0.20	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ppb (v/v)
1,1,2-Trichloroethane	ND	0.20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	0.20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	0.20	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb (v/v)
1,2-Dichlorobenzene	ND	0.20	ppb (v/v)
1,2-Dichloroethane	ND	0.20	ppb (v/v)
1,2-Dichloropropane	ND	0.20	ppb (v/v)
1,2,4-Trichlorobenzene	ND	1.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND	0.20	ppb (v/v)
1,3-Butadiene	ND	0.40	ppb (v/v)
1,3-Dichlorobenzene	ND	0.20	ppb (v/v)
1,3,5-Trimethylbenzene	ND	0.20	ppb (v/v)
1,4-Dichlorobenzene	ND	0.20	ppb (v/v)
1,4-Dioxane	ND	0.50	ppb (v/v)
2-Butanone (MEK)	ND	1.0	ppb (v/v)
2-Chlorotoluene	ND	0.40	ppb (v/v)
2-Hexanone	ND	0.50	ppb (v/v)
2,2,4-Trimethylpentane	ND	0.50	ppb (v/v)
3-Chloropropene	ND	0.20	ppb (v/v)
4-Ethyltoluene	ND	0.40	ppb (v/v)
4-Methyl-2-pentanone (MIBK)	ND	0.50	ppb (v/v)

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H0D280480

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: Will Wallis	Sampled By: Joe Unlaubitz	1 of 1 COCs
Company: NYSDEC	Phone:		
Address:	Site Contact:		
City/State/Zip	TAL Contact:		
Phone:			
FAX:			
Project Name: Chem-Core	Analysis Turnaround Time		
Site/location: Buffalo NY	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
System Effluent	4/27/10	1830	1330	18"	4"	NA	S-1534	X											

Sampled by : Joe Unlaubitz

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 4/28/10
FED EX # 448502533361

Special Instructions/QC Requirements & Comments:

1 CAN / 1 V.G.

Canisters Shipped by: [signature]	Date/Time: 4/27/10 1405	Canisters Received by: [signature] 4/27/10 1405
Samples Relinquished by: [signature]	Date/Time: 4/27/10 1405	Received by: Ryan Henry 4/28/10 0930
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H10281480

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 82033 PM Instructions: NA

Sample Receiving Associate: Ryan Henry Date: 4/28/10

QA026R21.doc, 090409

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H0D280480*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DDF 4-30-10	NA	28.90	L0M36	S1534	-5.5	0									11426 ~~04347~~	2L	0	8592 ~~8609~~

Cleaning lot 8609 9/3/10 4L

Cleaning lot BT92 DDF 4-30-10 9/3/10 4L

Analytical Report

Work Order: RTD1897

Project Description

NYSDEC Spills - ChemCore: Site #915176

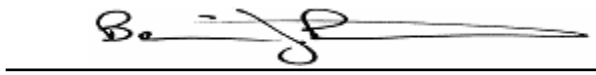
For:

David Szymanski

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Tuesday, May 4, 2010

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

TestAmerica Buffalo
Current Certifications

As of 12/21/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

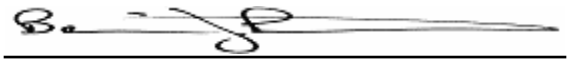
Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Tuesday, May 4, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

DATA QUALIFIERS AND DEFINITIONS

D08 Dilution required due to high concentration of target analyte(s)

J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD1897-02 (TREATMENT SYSTEM INFLUENT - Water)						**Sampled: 04/27/10 13:15**		**Recvd: 04/27/10 14:05**		
Volatile Organic Compounds										
1,1,1-Trichloroethane	**140**	D08,J	250	19	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,1-Dichloroethane	**1200**	D08	250	29	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
cis-1,2-Dichloroethene	**1800**	D08	250	29	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Methylene Chloride	**54**	D08,J	250	41	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Toluene	**84**	D08,J	250	23	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Vinyl chloride	**1600**	D08	250	37	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
TREATMENT SYSTEM EFFLUENT	RTD1897-01	Water	04/27/10 13:10	04/27/10 14:05	
TREATMENT SYSTEM INFLUENT	RTD1897-02	Water	04/27/10 13:15	04/27/10 14:05	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

Analytical Report

Sample ID: RTD1897-01 (TREATMENT SYSTEM EFFLUENT - Water) **Sampled: 04/27/10 13:10** **Recvd: 04/27/10 14:05**

Volatile Organic Compounds

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.0	0.38	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,1-Dichloroethane	ND		5.0	0.59	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,1-Dichloroethene	ND		5.0	0.85	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,2-Dichloroethane	ND		5.0	0.60	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,2-Dichloropropane	ND		5.0	0.61	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
2-Chloroethyl vinyl ether	ND		25	1.8	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Benzene	ND		5.0	0.60	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Bromodichloromethane	ND		5.0	0.54	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Bromoform	ND		5.0	0.47	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Bromomethane	ND		5.0	1.2	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Carbon Tetrachloride	ND		5.0	0.51	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Chlorobenzene	ND		5.0	0.48	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Chlorodibromomethane	ND		5.0	0.41	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Chloroethane	ND		5.0	0.87	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Chloroform	ND		5.0	0.54	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Chloromethane	ND		5.0	0.64	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Ethylbenzene	ND		5.0	0.46	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Methylene Chloride	ND		5.0	0.81	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Tetrachloroethene	ND		5.0	0.34	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Toluene	ND		5.0	0.45	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Trichloroethene	ND		5.0	0.60	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Trichlorofluoromethane	ND		5.0	0.45	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Vinyl chloride	ND		5.0	0.75	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
Xylenes, total	ND		10	1.1	ug/L	1.00	04/30/10 15:53	TRB	10D2874	624
1,2-Dichloroethane-d4	*102 %*		*Surr Limits: (88-132%)*				*04/30/10 15:53*	*TRB*	*10D2874*	*624*
4-Bromofluorobenzene	*96 %*		*Surr Limits: (78-122%)*				*04/30/10 15:53*	*TRB*	*10D2874*	*624*
Toluene-d8	*92 %*		*Surr Limits: (87-110%)*				*04/30/10 15:53*	*TRB*	*10D2874*	*624*

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTD1897-02 (TREATMENT SYSTEM INFLUENT - Water)						**Sampled: 04/27/10 13:15**		**Recvd: 04/27/10 14:05**		
Volatile Organic Compounds										
1,1,1-Trichloroethane	**140**	D08,J	250	19	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,1,2,2-Tetrachloroethane	ND	D08	250	13	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,1,2-Trichloroethane	ND	D08	250	24	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,1-Dichloroethane	**1200**	D08	250	29	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,1-Dichloroethene	ND	D08	250	43	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,2-Dichlorobenzene	ND	D08	250	22	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,2-Dichloroethane	ND	D08	250	30	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,2-Dichloropropane	ND	D08	250	31	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,3-Dichlorobenzene	ND	D08	250	27	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,4-Dichlorobenzene	ND	D08	250	25	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
2-Chloroethyl vinyl ether	ND	D08	1200	92	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Benzene	ND	D08	250	30	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Bromodichloromethane	ND	D08	250	27	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Bromoform	ND	D08	250	23	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Bromomethane	ND	D08	250	60	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Carbon Tetrachloride	ND	D08	250	26	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Chlorobenzene	ND	D08	250	24	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Chlorodibromomethane	ND	D08	250	21	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Chloroethane	ND	D08	250	44	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Chloroform	ND	D08	250	27	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Chloromethane	ND	D08	250	32	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
cis-1,2-Dichloroethene	**1800**	D08	250	29	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
cis-1,3-Dichloropropene	ND	D08	250	17	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Ethylbenzene	ND	D08	250	23	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Methylene Chloride	**54**	D08,J	250	41	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Tetrachloroethene	ND	D08	250	17	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Toluene	**84**	D08,J	250	23	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
trans-1,2-Dichloroethene	ND	D08	250	29	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
trans-1,3-Dichloropropene	ND	D08	250	22	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Trichloroethene	ND	D08	250	30	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Trichlorofluoromethane	ND	D08	250	22	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Vinyl chloride	**1600**	D08	250	37	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
Xylenes, total	ND	D08	500	54	ug/L	50.0	04/30/10 16:19	TRB	10D2874	624
1,2-Dichloroethane-d4	*108 %*	*D08*	*Surr Limits: (88-132%)*				*04/30/10 16:19*	*TRB*	*10D2874*	*624*
4-Bromofluorobenzene	*95 %*	*D08*	*Surr Limits: (78-122%)*				*04/30/10 16:19*	*TRB*	*10D2874*	*624*
Toluene-d8	*95 %*	*D08*	*Surr Limits: (87-110%)*				*04/30/10 16:19*	*TRB*	*10D2874*	*624*

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTD1897

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 04/27/10
Reported: 05/04/10 15:55

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds									
624	10D2874	RTD1897-01	5.00	mL	5.00	mL	04/30/10 10:45	TRB	5030B MS
624	10D2874	RTD1897-02	5.00	mL	5.00	mL	04/30/10 10:45	TRB	5030B MS

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYSDEC
Address:
City | State | Zip Code
Project Name and Location (State): Chem-Lab Buffalo, NY
Contract/Purchase Order/Quote No:

Project Manager: Will Welling
Telephone Number (Area Code)/Fax Number:
Site Contact: Sue Whitt
Lab Contact: Mary Boyd
Carrier/Waybill Number:

Date: 4/27/10
Lab Number:

Chain of Custody Number: 140402
Page _____ of _____

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOC
Treatment System Effluent	4/27/10	1310		X						X			X
Treatment System Influent	4/27/10	1315		X						X			X

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/27/10		1. Received By	4/27/10	1405
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

5.7°C

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

Analytical Report

Work Order: RTF0352

Project Description

NYSDEC Spills - ChemCore: Site #915176

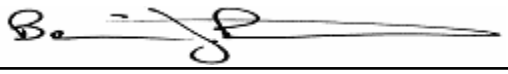
For:

David Szymanski

New York State D.E.C. - Buffalo, NY

270 Michigan Avenue

Buffalo, NY 14203



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, June 9, 2010

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

TestAmerica Buffalo
Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

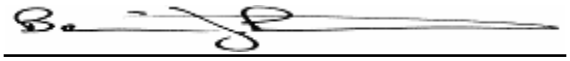
Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Project Manager

Wednesday, June 9, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

DATA QUALIFIERS AND DEFINITIONS

D08 Dilution required due to high concentration of target analyte(s)

J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0352-01 (SYSTEM EFFLUENT - Water)						**Sampled: 05/30/10 07:30**		**Recvd: 06/02/10 09:45**		
Volatile Organic Compounds										
cis-1,2-Dichloroethene	**1.7**	J	5.0	0.57	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0352-02 (SYSTEM INFLUENT - Water)						**Sampled: 05/30/10 07:35**		**Recvd: 06/02/10 09:45**		
Volatile Organic Compounds										
1,1,1-Trichloroethane	**110**	D08,J	200	15	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,1-Dichloroethane	**980**	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
cis-1,2-Dichloroethene	**2200**	D08	200	23	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Methylene Chloride	**88**	D08,J	200	33	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
trans-1,2-Dichloroethene	**33**	D08,J	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Vinyl chloride	**1300**	D08	200	30	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SYSTEM EFFLUENT	RTF0352-01	Water	05/30/10 07:30	06/02/10 09:45	
SYSTEM INFLUENT	RTF0352-02	Water	05/30/10 07:35	06/02/10 09:45	

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

Analytical Report

Sample ID: RTF0352-01 (SYSTEM EFFLUENT - Water) **Sampled: 05/30/10 07:30** **Recvd: 06/02/10 09:45**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds										
1,1,1-Trichloroethane	ND		5.0	0.38	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,1-Dichloroethane	ND		5.0	0.59	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,1-Dichloroethene	ND		5.0	0.85	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,2-Dichloroethane	ND		5.0	0.60	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,2-Dichloropropane	ND		5.0	0.61	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
2-Chloroethyl vinyl ether	ND		25	1.8	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Benzene	ND		5.0	0.60	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Bromodichloromethane	ND		5.0	0.54	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Bromoform	ND		5.0	0.47	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Bromomethane	ND		5.0	1.2	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Carbon Tetrachloride	ND		5.0	0.51	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Chlorobenzene	ND		5.0	0.48	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Chlorodibromomethane	ND		5.0	0.41	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Chloroethane	ND		5.0	0.87	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Chloroform	ND		5.0	0.54	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Chloromethane	ND		5.0	0.64	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
cis-1,2-Dichloroethene	**1.7**	J	5.0	0.57	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Ethylbenzene	ND		5.0	0.46	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Methylene Chloride	ND		5.0	0.81	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Tetrachloroethene	ND		5.0	0.34	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Toluene	ND		5.0	0.45	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Trichloroethene	ND		5.0	0.60	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Trichlorofluoromethane	ND		5.0	0.45	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Vinyl chloride	ND		5.0	0.75	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
Xylenes, total	ND		10	1.1	ug/L	1.00	06/07/10 13:12	TRB	10F0517	624
1,2-Dichloroethane-d4	*101 %*		*Surr Limits: (88-132%)*				*06/07/10 13:12*	*TRB*	*10F0517*	*624*
4-Bromofluorobenzene	*94 %*		*Surr Limits: (78-122%)*				*06/07/10 13:12*	*TRB*	*10F0517*	*624*
Toluene-d8	*93 %*		*Surr Limits: (87-110%)*				*06/07/10 13:12*	*TRB*	*10F0517*	*624*

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0352-02 (SYSTEM INFLUENT - Water)						**Sampled: 05/30/10 07:35**		**Recvd: 06/02/10 09:45**		
Volatile Organic Compounds										
1,1,1-Trichloroethane	**110**	D08,J	200	15	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,1,2,2-Tetrachloroethane	ND	D08	200	10	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,1,2-Trichloroethane	ND	D08	200	19	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,1-Dichloroethane	**980**	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,1-Dichloroethene	ND	D08	200	34	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,2-Dichlorobenzene	ND	D08	200	18	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,2-Dichloroethane	ND	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,2-Dichloropropane	ND	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,3-Dichlorobenzene	ND	D08	200	22	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,4-Dichlorobenzene	ND	D08	200	20	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
2-Chloroethyl vinyl ether	ND	D08	1000	74	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Benzene	ND	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Bromodichloromethane	ND	D08	200	21	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Bromoform	ND	D08	200	19	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Bromomethane	ND	D08	200	48	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Carbon Tetrachloride	ND	D08	200	20	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Chlorobenzene	ND	D08	200	19	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Chlorodibromomethane	ND	D08	200	17	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Chloroethane	ND	D08	200	35	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Chloroform	ND	D08	200	22	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Chloromethane	ND	D08	200	25	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
cis-1,2-Dichloroethene	**2200**	D08	200	23	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
cis-1,3-Dichloropropene	ND	D08	200	13	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Ethylbenzene	ND	D08	200	19	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Methylene Chloride	**88**	D08,J	200	33	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Tetrachloroethene	ND	D08	200	14	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Toluene	ND	D08	200	18	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
trans-1,2-Dichloroethene	**33**	D08,J	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
trans-1,3-Dichloropropene	ND	D08	200	18	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Trichloroethene	ND	D08	200	24	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Trichlorofluoromethane	ND	D08	200	18	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Vinyl chloride	**1300**	D08	200	30	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
Xylenes, total	ND	D08	400	43	ug/L	40.0	06/07/10 13:39	TRB	10F0517	624
1,2-Dichloroethane-d4	*100 %*	*D08*	*Surr Limits: (88-132%)*				*06/07/10 13:39*	*TRB*	*10F0517*	*624*
4-Bromofluorobenzene	*95 %*	*D08*	*Surr Limits: (78-122%)*				*06/07/10 13:39*	*TRB*	*10F0517*	*624*
Toluene-d8	*94 %*	*D08*	*Surr Limits: (87-110%)*				*06/07/10 13:39*	*TRB*	*10F0517*	*624*

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

Work Order: RTF0352

Project: NYSDEC Spills - ChemCore: Site #915176
Project Number: NYSDEC

Received: 06/02/10
Reported: 06/09/10 10:41

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds									
624	10F0517	RTF0352-01	5.00	mL	5.00	mL	06/07/10 10:09	TRB	5030B MS
624	10F0517	RTF0352-02	5.00	mL	5.00	mL	06/07/10 10:09	TRB	5030B MS

[redacted]

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt ___

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client: NYDEC
Address:
City: Buffalo State: NY Zip Code:
Project Name and Location (State): Chem Core
Contract/Purchase Order/Quote No.:

Project Manager: Dave Zamski
Telephone Number (Area Code)/Fax Number: 315-431-4610
Site Contact: Joe Urbanik
Lab Contact:
Carrier/Waybill Number:

Date: 5/30/10
Lab Number:
Chain of Custody Number: 140400
Page 1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC-8260	Special Instructions/ Conditions of Receipt
System Effluent	5/30/10	730		X						X				
System Influent	5/30/10	735		X						X				

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ___

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/1/10	1320	1. Received By: [signature]	6/1/10	13:20
2. Relinquished By:			2. Received By: [signature]	6/2/10	0945
3. Relinquished By:			3. Received By:		

Comments: 2.0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy