



February 4, 2005

Mr. David Chiusano, Project Manager

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Construction Services

625 Broadway, 12th Floor

Albany, New York 12233 - 7010

Re: Mr. C's Dry Cleaners Site, Contract # D004180, Site # 9-15-157
January 2005 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEBPC) is pleased to provide this January 2005 Operation and Maintenance (O&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from EEBPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. Selected pages from the individual analytical data packages prepared by EEBPC's Analytical Services Center (ASC) are provided as Attachments B1 and B2. All analytical results for the report were analyzed at the lowest detection limits in accordance with the method standard. Remedial treatment system utility costs are provided as Attachment C.

In review of the on-site treatment system operation, EEBPC offers the following comments and highlights:

Operational Summary

- The system was operational for 100% of the period between 12/27/04 and 1/31/05. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The effluent totalizer readings for the month of January 2005 indicate that approximately 1,798,238 gallons of groundwater were processed through the treatment system from 12/27/04 through 1/31/05. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on totalizer readings provided by the contractor's weekly inspection forms.
- Piezometer measurements were collected on 1/3/05 at the time of compliance sampling and on 1/31/05. These readings are provided in the weekly inspection reports provided in Attachment A. OMBI had difficulties obtaining piezometer readings due to deep snow piled over some of the off-site piezometers.
- Filters in the bag filter unit were replaced during weekly inspections on 1/17/05 and 1/24/05.

- Checklistists for weekly system inspections from OMBI are provided as Attachment A for 1/3/05, 1/10/05, 1/17/05, 1/24/05 and 1/31/05. Weekly system checks indicate that all operating equipment appear to be operating within normal ranges with any exceptions noted above.
- The 2 granular carbon vessels were removed on Friday, January 14, 2005 and shipped to another NYSDEC site in Long Island, NY. Confirmation of delivery was received by EBBPC on Monday, January 7, 2005.
- A copy of the site utility costs from EBBPC operations from October 2004 to date is provided as Attachment C.

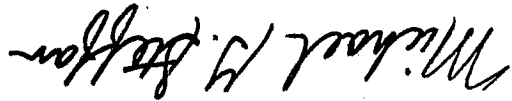
Analytical Summary - Groundwater

- EBBPC and OMBI personnel collected weekly samples of influent and effluent groundwater on three separate occasions during the reporting period (12/19/04, 1/3/05 and 1/14/05) as part of the corrective action in response to the tetrachloroethene (PCE) discharge exceedance that occurred in November 2004. The groundwater samples collected on 12/29/04 and 1/14/04 were analyzed for VOCs only. The monthly groundwater compliance samples collected 1/3/05 were analyzed for volatile organic compounds (VOCs), metals, total suspended solids (TSS), total dissolved solids (TDS), and hardness. At the request of the Department the lowest possible method detection limits were used for the analysis. The results are discussed below.
- The VOCs detected in the influent and effluent groundwater during the January 2005 sampling events are presented in Table 3.
- The January analytical results indicate that the treated groundwater effluent was in compliance with the Effluent Limitation Requirements for all VOCs and all metals. Total Dissolved Solids (TDS) were detected above the compliance concentration of 850 mg/L for the month of January 2005. A comparison between the January 2005 analytical results and the Effluent Limitation Requirements for the site are provided in Table 4.
- Approximately 18.3 pounds of VOCs were removed from the influent groundwater based on calculations using the average of the 3 effluent discharge analytical results during the reporting period. A summary of the calculated removal volumes is located in Table 5. These values are calculated based on totalizer readings and assumes that non-detect values given in the analytical data package = 0 µg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire reporting period. These calculations indicate that approximately 814 pounds of VOCs have been removed from the groundwater at the site since system start-up in September 2002.
- Pursuant to Greg Sutton's email of January 14, 2005, metals, total suspended solids (TSS), total dissolved solids (TDS) and cyanide have been deleted from the compliance sampling and analytical program. Future monthly deliverables were requested to be submitted electronically to Dave Szymanski with only the cover letter and tables transmitted by hard copy.

- No further air sampling for compliance monitoring will be performed. The vapor phase carbon units have been taken off-line from the treatment system and shipped offsite to another NYSDEC location.
- Analytical results for the February 2005 O&M period will be provided by Severn Trent Laboratories, Inc. of Amherst, NY. The change in analytical laboratories is a result of the closure of EHEPC's ASC on January 31, 2005.

If you have any questions regarding the January 2005 O&M report summary submitted, please call me at 716-684-8060.

Very Truly Yours,



Michael G. Steffan
Project Manager
Ecology and Environment Engineering, P. C.

cc: D. Szymanski/G. Sutton, Region 9, NYSDEC - Buffalo w/o attachments
R. Becken, O&M Enterprises w/o attachments
D. Miller, E&E-Buffalo w/o attachments
CTF-000699.NY06.05

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
September 2002	576	100%
October 2002	744	99.33%
November 2002	720	93.41%
December 2002	744	80.65%
January 2003	744	59.15%
February 2003	672	63.39%
March 2003	744	82.39%
April 2003	720	100%
May 2003	744	100%
June 2003	720	90.00%
July 2003	744	100%
August 2003	744	100%
September 1-4, 2003	96	100%
October 22-29, 2003	168	100%
October 29 - November 25, 2003	648	99%
November 25 - December 29, 2003	816	100%
December 29, 2003 - January 26, 2004	672	100%
January 26 - February 24, 2004	696	100%
February 24 - March 29, 2004	816	99.97%
March 29 - April 26, 2004	672	99.70%
April 26 - May 24, 2004	696	73.70%
May 24 - June 21, 2004	696	99.43%
June 22 - July 26, 2004	840	100%
July 27 - August 23, 2004	672	100%
August 23 - September 27, 2004	840	97.62%
September 27 - October 25, 2004	672	90.33%
October 25 - November 23, 2004	696	92.17%
November 23 - December 27, 2004	816	97.06%
December 27, 2004 - January 31, 2005	840	100%

Average Operational Up-time = 93.47%

NOTES:

1. Up-time based as percentage of total reporting hours
2. Treatment system operated by the Tyree Organization Ltd. from 9/02-9/03.
3. Treatment system operated by O&M Enterprises from 10/03 - present.

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly Process Water Volumes

Month	Actual Period	Gallons
September 2002 ¹	9/5/02 - 10/2/02	4,362,477
October 2002 ¹	10/2/02 - 11/4/02	4,290,429
November 2002 ¹	11/4/02 - 12/2/02	3,326,126
December 2002 ¹	12/2/02 - 1/7/03	3,349,029
January 2003 ¹	1/7/03 - 2/3/03	1,973,144
February 2003 ¹	2/3/03 - 3/10/03	2,158,771
March 2003 ¹	3/10/03 - 4/7/03	3,263,897
April 2003 ¹	4/7/03 - 5/2/03	2,574,928
May 2003 ¹	5/2/03 - 6/2/03	1,652,538
June 2003 ¹	6/2/03 - 6/30/03	2,002,990
July 2003 ¹	6/30/03 - 7/29/03	2,543,978
August 2003 ¹	7/29/03 - 8/25/03	2,042,424
September 2003 ¹	8/25/03 - 10/22/03	370,446
October 2003 ²	10/22/03 - 10/29/03	67,424
November 2003 ²	10/29/03 - 11/25/03	224,278
December 2003 ²	11/25/03 - 12/29/03	1,496,271
January 2004 ²	12/29/03 - 01/26/04	688,034
February 2004 ²	01/26/04 - 02/24/04	736,288
March 2004 ²	02/24/04 - 03/29/04	2,164,569
April 2004 ²	03/29/04 - 04/26/04	1,741,730
May 2004 ²	4/26/2004 - 5/24/2004	1,408,095
June 2004 ²	5/24/2004 - 6/21/2004	972,132
July 2004 ²	6/22/2004 - 7/26/2004	1,858,790
August 2004 ²	7/27/04 - 8/23/04	1,289,960
September 2004 ²	8/23/04 - 9/27/04	1,201,913
October 2004 ²	9/27/04 - 10/25/04	937,560
November 2004 ²	10/25/04 - 11/23/04	1,098,158
December 2004 ²	11/23/04 - 12/27/04	1,556,063
January 2005 ²	12/27/04 - 1/31/05	1,798,238
TOTAL GALLONS		53,150,680

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 10/03 - present

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
December 2004 VOC Analytical Summary

Compound	January 3, 2005			January 14, 2005			January Averages	
	Influent Concentration (µg/L)	Effluent Concentration (µg/L)	Cleanup Efficiency (%)	Influent Concentration (µg/L)	Effluent Concentration (µg/L)	Cleanup Efficiency (%)	Influent Concentration (µg/L)	Effluent Concentration (µg/L)
2-Butanone	ND (<250)	6.24	NA	ND (<250)	6.83	NA	ND (<250)	6.54
4-Methyl-2-pentanone	ND (<250)	1.94	J	ND (<250)	0.762	J	ND (<250)	1.35
Acetone	ND (<250)	26.6	NA	ND (<250)	29.5	NA	ND (<250)	28.1
cis-1,2-Dichloroethene	ND (<50.0)	ND (<1.00)	NA	5.00	ND (<1.00)	100%	2.50	ND (<1.00)
Ethylbenzene	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	ND (<1.00)
Methyl tert-butyl ether	9.60	0.496	J	11.2	0.649	J	10.4	0.573
Methylene chloride	ND (<50.0)	0.630	J	ND (<50.0)	0.677	J	ND (<50.0)	0.654
Styrene	ND (<50.0)	0.122	J	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	0.061
Tetrachloroethene	1220	9.36	J	1220	8.55	99%	1220	8.96
Toluene	ND (<50.0)	0.540	J	ND (<50.0)	0.336	J	ND (<50.0)	0.438
Trichloroethene	30.3	0.858	J	31.3	0.316	J	30.8	0.587
Xylenes, Total	ND (<50.0)	0.506	J	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	0.253
TOTAL =							1264	47.5

- Notes:
1. "NA" = Not applicable
 2. "ND" = Non-detect and lists the detection limit in parentheses
 3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
 4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.

Table 4
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter	Daily Maximum ¹	Units	January 3, 2005	January 14, 2005
			Effluent Analytical Values	Effluent Analytical Values
Flow	216,000	gpd	51,378.2	
pH	6.0 - 9.0	standard units	8.23	NA
1,1 Dichloroethene	10	µg/L	ND (<1.00)	ND (<1.00)
1,2 Dichloroethane	10	µg/L	ND (<1.00)	ND (<1.00)
Trichloroethene	10	µg/L	0.858 J	0.316 J
Tetrachloroethene	10	µg/L	9.4	8.55
Vinyl Chloride	10	µg/L	ND (<1.00)	ND (<1.00)
Benzene	5	µg/L	ND (<1.00)	ND (<1.00)
Ethyl Benzene	5	µg/L	ND (<1.00)	ND (<1.00)
Methylene Chloride	10	µg/L	0.630 J	0.677 J
1,1,1 Trichloroethane	10	µg/L	ND (<1.00)	ND (<1.00)
Toluene	5	µg/L	0.540 J	0.336 J
o-Xylene ³	5	µg/L	0.506 J	ND (<1.00)
m, p-Xylene ³	10	µg/L	0.506 J	ND (<1.00)
Iron, total	600	µg/L	229	NA
Aluminum	4,000	µg/L	ND (<200)	NA
Copper	48	µg/L	ND (<20.0)	NA
Lead	11	µg/L	ND (<5.00)	NA
Manganese	2,000	µg/L	183	NA
Silver	100	µg/L	ND (<10.0)	NA
Vanadium	28	µg/L	ND (<20.0)	NA
Zinc	230	µg/L	ND (<20.0)	NA
Total Dissolved Solids	850	mg/L	1100	NA
Total Suspended Solids	20	mg/L	11	NA
Cyanide, Free	10	µg/L	ND (<10)	NA

NOTES:

1. "Daily Maximum" excerpted from Attachment B of Addendum 1 to the Construction Contract Documents.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum"
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.

Table 5
 Mr. C's Dry Cleaners Site Remediation
 Site #9-15-17
 Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Affluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002 ⁵	9/5/02 - 10/2/02	1297	1	47.2
October 2002 ⁶	10/2/02 - 11/4/02	2000	1	71.6
November 2002 ⁶	11/4/02 - 12/2/02	1685	0	46.8
December 2002 ⁶	12/2/02 - 1/7/03	1586	9	44.1
January 2003 ⁵	1/7/03 - 2/3/03	1803	10	29.5
February 2003 ⁵	2/3/03 - 3/10/03	1985	3	35.7
March 2003 ⁵	3/10/03 - 4/7/03	1990	5	54.1
April 2003 ⁵	4/7/03 - 5/2/03	1656	3	35.5
May 2003 ⁵	5/2/03 - 6/2/03	1623	7	22.3
June 2003 ⁵	6/2/03 - 6/30/03	5787	6	96.6
July 2003 ⁵	6/30/03 - 7/29/03	1356	1	28.8
August 2003 ⁵	7/29/03 - 8/25/03	1263	3	21.5
September 2003 ⁵	8/25/03 - 10/22/03	1263	3	3.9
October 2003 ⁷	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 ⁷	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 ⁷	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 ⁷	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 ⁷	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 ⁷	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 ⁷	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 ⁷	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 ⁷	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004 ⁷	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 ⁷	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004 ⁷	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004 ⁷	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004 ⁷	10/25/04 - 11/23/04	1480	36.42	13.2
December 2004 ^{7,8}	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005 ⁷	12/27/04 - 1/31/05	1264	47.5	18.3
Total pounds of VOCs removed from inception = 814.7				

NOTES:

- Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
 - Calculations assume that non-detect values = 0 µg/L.
 - Calculations include estimated "J" values.
 - Calculations are based on totalizer readings.
 - "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
 - No samples were collected in September 2003. August 2003 values are used.
 - Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
 - Treatment system operated by O&M Enterprises from 10/03 to present.
 - Average influent and effluent concentrations used for December 2004
- CONVERSIONS:
 1 pound = 453.5924 grams
 1 gallon = 3.785 liters
- Pounds of VOCs removed calculated by the following formula:
 $(1264 \text{ ug/L} - 47.5 \text{ ug/L}) * (1 \text{ gal}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,798,238 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 18.6 \text{ lbs}$
 where 1,798,238 gallons is the monthly process water volume.

Attachment A
OMFI Weekly Inspection Reports
January 2005

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form

1/3/05 8:54

Date/Time

RC Becken

Inspection personnel

Greg Jones

Other personnel on site

overcast foggy 40 degrees

Weather Conditions

Are all well pumps operating in auto? (YES) NO

If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	4	ft
PW-2	(ON)	OFF	5	ft
PW-3	(ON)	OFF	7	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	7	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	6	ft
Equalization tank				
			4	ft

Influent Flow Rate

77.02 gpm

Influent Totalizer Reading

9219941 gallons

Sequestering agent drum level

0 ft-in

Amount of sequestering agent remaining

0 gallons

Sequestering agent feed rate

0 gpm

Sequestering agent metering Pump Pressure

0 psi

Bag filter top pressure

2 psi

Bag filter bottom pressure

Jan-00 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.15 inches H₂O

Air stripper vacuum 3 inches H₂O

Pressure in sump of strippers 22"H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 9 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 54160300 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 55 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 2"

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

Sample ID _____

Time of Sampling 11:00

pH 7.81

Turbidity Temp. 54.6

Air stripper influent 11:00

Air stripper effluent 8.23

GAC influent NA

GAC effluent NA

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 Piezometer Water Level Log

Measurements taken by RC Becken

Date 1/3/2005

RW-1	23.2	ft	Comments
PZ-1A	11.46	ft	Comments
PZ-1B	11.1	ft	Comments
PZ-1C	12.24	ft	Comments
PZ-1D		ft	Comments car parked on well
PW-2	24.4	ft	Comments
PZ-2A	10.89	ft	Comments
PZ-2B	11.2	ft	Comments
PZ-2C	10.7	ft	Comments
PZ-2D		ft	Comments well filled
PW-3	21.35	ft	Comments
PZ-3A	11.4	ft	Comments
PZ-3B	11.43	ft	Comments
PZ-3C	11.92	ft	Comments
PZ-3D	11.41	ft	Comments
PW-4	23.45	ft	Comments
PZ-4A	11.61	ft	Comments
PZ-4B	10.96	ft	Comments
PZ-4C	11.15	ft	Comments
PZ-4D	10.43	ft	Comments

RW-1 pump on during measurements? (YES) NO
 PW-2 pump on during measurements? (YES) NO
 PW-3 pump on during measurements? (YES) NO
 PW-4 pump on during measurements? (YES) NO

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form

1/3/05 8:54

Date/Time

RC Becken

Inspection personnel

Greg Jones

Other personnel on site

overcast foggy 40 degrees

Weather Conditions

NO

(YES)

Are all well pumps operating in auto?

If "NO", provide explanation

Provide water level readings on control panel

RW-1 (ON) OFF ft

PW-2 (ON) OFF ft

PW-3 (ON) OFF ft

PW-4 (ON) OFF ft

PW-5 (ON) OFF ft

PW-6 (ON) OFF ft

PW-7 (ON) OFF ft

PW-8 (ON) OFF ft

Equalization tank

ft

Influent Flow Rate 77.02 gpm

Influent Totalizer Reading 9219941 gallons

Sequestering agent drum level 0 ft-in

Amount of sequestering agent remaining 0 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 2 psi

Bag filter bottom pressure 0 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.15 inches H₂O

Air stripper vacuum 3 inches H₂O

Pressure in sump of strippers 22"H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 9 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 54160300 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 55 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 2"

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

Air stripper influent 11:00

Air stripper effluent 11:00

GAC influent NA

GAC effluent NA

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

Turbidity Temp. 54.6 55.5

pH 7.81 8.23

Time of Sampling 11:00 11:00

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 Piezometer Water Level Log

Measurements taken by RC Becken

Date 1/3/2005

RW-1	23.2	ft	Comments
PZ-1A	11.46	ft	Comments
PZ-1B	11.1	ft	Comments
PZ-1C	12.24	ft	Comments
PZ-1D		ft	Comments car parked on well
PW-2	24.4	ft	Comments
PZ-2A	10.89	ft	Comments
PZ-2B	11.2	ft	Comments
PZ-2C	10.7	ft	Comments
PZ-2D		ft	Comments well filled
PW-3	21.35	ft	Comments
PZ-3A	11.4	ft	Comments
PZ-3B	11.43	ft	Comments
PZ-3C	11.92	ft	Comments
PZ-3D	11.41	ft	Comments
PW-4	23.45	ft	Comments
PZ-4A	11.61	ft	Comments
PZ-4B	10.96	ft	Comments
PZ-4C	11.15	ft	Comments
PZ-4D	10.43	ft	Comments

RW-1 pump on during measurements? (YES) NO
 PW-2 pump on during measurements? (YES) NO
 PW-3 pump on during measurements? (YES) NO
 PW-4 pump on during measurements? (YES) NO

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 Piezometer Water Level Log

Measurements taken by RCB

Date 1/3/05

PW-5	20.51	ft	Comments
PZ-5A	10.62	ft	Comments
PZ-5B	10.67	ft	Comments
PZ-5C	10.26	ft	Comments
PZ-5D	11.05	ft	Comments
PW-6	19.1	ft	Comments
PZ-6A	11.36	ft	Comments
PZ-6B	11.17	ft	Comments
PZ-6C	11.51	ft	Comments
PZ-6D	11.08	ft	Comments
PW-7	18.1	ft	Comments
OW-B	11.11	ft	Comments
PZ-7B	11.61	ft	Comments
MPI-6S	10.72	ft	Comments
PZ-7D	11.06	ft	Comments
PW-8	21.1	ft	Comments
PZ-8A	7.98	ft	Comments
PZ-8B	7.9	ft	Comments
PZ-8C	7.48	ft	Comments
PZ-8D	7.77	ft	Comments

PW-5 pump on during measurements? (YES) NO
 PW-6 pump on during measurements? (YES) NO
 PW-7 pump on during measurements? (YES) NO
 PW-8 pump on during measurements? (YES) NO

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form

Date/Time 1/10/05 9:05

Inspection personnel RC Becken

Other personnel on site Jim Mays

Weather Conditions overcast 35 degrees

Are all well pumps operating in auto? (YES) NO
 If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	5	ft
PW-2	(ON)	OFF	6	ft
PW-3	(ON)	OFF	5	ft
PW-4	(ON)	OFF	4	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	5	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	7	ft
			4	ft

Influent Flow Rate

67 gpm

Influent Totalizer Reading

9856936 gallons

Sequestering agent drum level

0 ft-in

Amount of sequestering agent remaining

0 gallons

Sequestering agent feed rate

0 gpm

Sequestering agent metering Pump Pressure

0 psi

Bag filter top pressure

5 psi

Bag filter bottom pressure

Jan-00 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 0.15 inches H₂O

Air stripper vacuum _____ 3 inches H₂O

Sump air pressure _____ 22" H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 11 psi

Effluent flow rate _____ ~90 gpm

Effluent Totalizer reading _____ 5784700 gallons

Are building heaters in use? (YES) NO

Ambient air temperature _____ 54 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 2"

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

Sample ID _____

Time of Sampling _____

pH _____

Turbidity Temp. _____

Air stripper influent _____

Air stripper effluent _____

GAC influent _____

GAC effluent _____

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? YES (NO)

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Date/Time 1/17/05 9:00

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions sunny 14 degrees

Are all well pumps operating in auto? (YES) NO
 If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	5	ft
PW-2	(ON)	OFF	5	ft
PW-3	(ON)	OFF	5	ft
PW-4	(ON)	OFF	3	ft
PW-5	(ON)	OFF	3	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	5	ft
Equalization tank				
			4	ft

Influent Flow Rate 58.1 gpm

Influent Totalizer Reading 488884 gallons

Sequestering agent drum level 0 ft-in

Amount of sequestering agent remaining 0 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 5 psi

Bag filter bottom pressure 0 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.16 inches H₂O

Air stripper vacuum 3 inches H₂O

air pressure in sump 20" H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 10 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 6150581 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 52 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 3"

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

Sample ID _____

Time of Sampling _____

pH _____

Turbidity Temp. _____

Air stripper influent _____

Air stripper effluent _____

GAC influent _____

GAC effluent _____

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? YES NO

Were electrical boxes inspected? YES (NO)

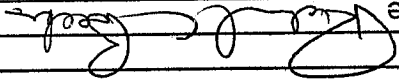
Is water present in any manholes or electrical boxes? (YES) NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Other observations:

Describe any other system maintenance performed
Changed filters, flow increased to 80 gpm, cleaned treatment plant floor.

Signature



**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Date/Time 11/24/05 1300

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions snow 17 degrees

Are all well pumps operating in auto? (YES) (NO)
 If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	6	ft
PW-2	(ON)	OFF	6	ft
PW-3	(ON)	OFF	7	ft
PW-4	(ON)	OFF	7	ft
PW-5	(ON)	OFF	3	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	6	ft
PW-8	(ON)	OFF	5	ft
			4	ft

Influent Flow Rate 66.31 gpm

Influent Totalizer Reading 1122849 gallons

Sequestering agent drum level 0 ft-in

Amount of sequestering agent remaining 0 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 8 psi

Bag filter bottom pressure 0 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 0.14 inches H₂O

Air stripper vacuum _____ 3 inches H₂O

21" H₂O in
 stripper sump

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 10 psi

Effluent flow rate _____ ~90 gpm

Effluent Totalizer reading _____ 6516100 gallons

Are building heaters in use? (YES) NO

Ambient air temperature _____ 48 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 2"

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

Sample ID _____

Time of Sampling _____

pH _____

Turbidity Temp. _____

Air stripper influent _____

Air stripper effluent _____

GAC influent _____

GAC effluent _____

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Date/Time 1/31/05 9:00

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions sunny 13 degrees

Are all well pumps operating in auto? (YES) (NO) NO
 If "NO", provide explanation _____

Provide water level readings on control panel

RW-1	ON	(OFF)	7	ft
PW-2	ON	(OFF)	6	ft
PW-3	ON	(OFF)	5	ft
PW-4	ON	(OFF)	7	ft
PW-5	(ON)	(OFF)	5	ft
PW-6	ON	(OFF)	6	ft
PW-7	(ON)	(OFF)	8	ft
PW-8	(ON)	(OFF)	6	ft
			4	ft

Influent Flow Rate 54.04 gpm

Influent Totalizer Reading 1693312 gallons

Sequestering agent drum level 0 ft-in

Amount of sequestering agent remaining 0 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 0 psi

Bag filter bottom pressure 0 psi

**Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 System Inspection Form**

Influent feed pump in use (#1) #2

Influent Pump Pressure 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.15 inches H₂O

Air stripper vacuum 3 inches H₂O

22" H₂O pressure in stripper sump

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 9 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 6845867 gallons

Are building heaters in use? NO (YES)

Ambient air temperature 50 degrees F

Are any leaks present? NO (YES)

Is sump pump in use? YES (NO)

Water level in sump 3"

Is treatment building clean and organized? NO (YES)

Samples collected? YES (NO)

Sample ID _____

Time of Sampling 11:45

Air stripper influent

Air stripper effluent

GAC influent

GAC effluent

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? YES (NO)

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? YES (NO)

Turbidity Temp. 51.4

pH 7.12

1.98

53.6

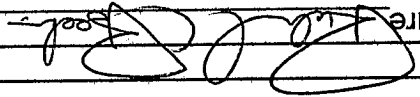
(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Other observations:

Very minor leakage from stripper tray seals.

Describe any other system maintenance performed

Collected water levels, many wells buried in snow.

Signature: 

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 Piezometer Water Level Log

Date 1/31/2005 Measurements taken by RC Becken

RW-1	22.8	ft	Comments
PZ-1A	11.53	ft	Comments
PZ-1B	11.31	ft	Comments
PZ-1C	12.45	ft	Comments
PZ-1D		ft	Comments car parked on well
PW-2	22.9	ft	Comments
PZ-2A	11.2	ft	Comments
PZ-2B		ft	Comments well buried in snow
PZ-2C	11.1	ft	Comments
PZ-2D		ft	Comments well filled
PW-3		ft	Comments well buried in snow
PZ-3A		ft	Comments well buried in snow
PZ-3B		ft	Comments well buried in snow
PZ-3C		ft	Comments well buried in snow
PZ-3D		ft	Comments well buried in snow
PW-4	20.45	ft	Comments
PZ-4A	11.76	ft	Comments
PZ-4B	11.25	ft	Comments
PZ-4C	11.46	ft	Comments
PZ-4D	10.84	ft	Comments

RW-1 pump on during measurements? (YES) NO
 PW-2 pump on during measurements? (YES) NO
 PW-3 pump on during measurements? YES NO
 PW-4 pump on during measurements? YES (NO)

Mr. C's Dry Cleaners Site
 NYSDEC Site #9-15-157
 Piezometer Water Level Log

Date 1/31/2005 Measurements taken by RC Becken

PW-5	22.21	ft	Comments
PZ-5A	10.93	ft	Comments
PZ-5B	11.01	ft	Comments
PZ-5C		ft	Comments couldn't find under snow
PZ-5D		ft	Comments couldn't find under snow
PW-6	18.15	ft	Comments
PZ-6A	11.7	ft	Comments
PZ-6B	11.54	ft	Comments
PZ-6C	11.8	ft	Comments
PZ-6D	11.46	ft	Comments
PW-7	19.5	ft	Comments
MP1-6S	11.14	ft	Comments
PZ-7B	11.88	ft	Comments
OCW	11.5	ft	Comments
PZ-7D	11.35	ft	Comments
PW-8	23.5	ft	Comments
PZ-8A	8.33	ft	Comments
PZ-8B	8.24	ft	Comments
PZ-8C	7.64	ft	Comments
PZ-8D	7.93	ft	Comments

PW-5 pump on during measurements? (YES) NO
 PW-6 pump on during measurements? (YES) NO
 PW-7 pump on during measurements? (YES) NO
 PW-8 pump on during measurements? (YES) NO

Attachment B1
Selected pages from
ASC Analytical Data Package #0501014
January 3, 2005

January 17, 2005

Mr. Mike Steffan
E and E Buffalo Office
368 Pleasant View Dr.
Lancaster, NY 14086

RE: Mr. Cs Dry Cleaners

CostPoint ID: 000699.NY06.05..

Work Order No.: 0501014

Dear Mr. Mike Steffan,

Analytical Services Center received 2 samples on Monday, January 03, 2005 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NTLAC for which it holds certification except as noted in this narrative and/or as flagged in the report.

The ASC is accredited in the Fields of Testing Potable water (SDWA), Solid and Chemical Materials (Solid Hazardous Wastes, RCRA), Water (CWA and other non-potable water) and Air and Emissions. Its primary accrediting authorities are New York State Department of Health and Florida Department of Health. The particular analytes/methods certified may be ascertained by requesting the laboratory's current certificates from your laboratory Project Manager.

E & E will retain the samples addressed in this report for 30 days, unless otherwise instructed by the client. If additional storage is requested, the storage fee is \$1.00 per sample container per month, to accrue until the client authorizes sample destruction.

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

Sincerely,

Barbara Krjajewski

Barbara Krjajewski

Project Manager

CC:

Enclosures as noted

This report ends on page 64



Laboratory Results

Client: E AND B BUFFALO
 Project: Mr. Cs Dry Cleaners
 Lab Order: 0501014
CASE NARRATIVE

GCMS VOLATILES
 A DB 624 column and a trap packed with OV-1, Tenax, silica gel and activated charcoal was used for the volatile analysis.

Sample analysis
 Volatile samples were determined to be at a pH of 7.
 Samples were analyzed within hold time.
 Sample AS Influent was analyzed at a 50-fold dilution due to the level of tetrachloroethene present.

Calibration and Tunes
 Initial and continuing calibrations were acceptable.
 No manual peak integration was required.

QC
 Surrogate recoveries were within acceptable limits.
 Method blank analysis was acceptable.
 Laboratory control sample (LCS) recoveries were acceptable.
 Internal standard area responses were acceptable.

MEALS
 Sample Analysis
 The samples were digested and analyzed within hold time.

Calibrations
 Calibration of the ICP utilizes a zero and one non-zero standard to determine the linear equation for quantitation. A low concentration standard (PQL) is analyzed at the reporting level.
 The initial and continuing calibrations were acceptable.

QC
 The calibration and preparation blank analyses were acceptable.
 The matrix spike/spike duplicate (MS/MSD) recoveries and RPD values were within the control limits.
 The laboratory control sample (LCS) recoveries were within the control limits.

MERCURY
 Sample Analysis
 The samples were digested and analyzed within hold time.

GENERAL ANALYTICAL CHEMISTRY

QC
The calibration and preparation blank analyses were acceptable.
The matrix spike/spike duplicate (MS/MSD) recoveries and RPD value were within the control limits.
The laboratory control sample (LCS) recovery was within the control limits.

Sample Analysis
Samples were analyzed within hold time.

Calibrations
Initial and continuing calibration standards were acceptable.

QC
Calibration and method blank analyses were acceptable.
Matrix duplicate, matrix spike and matrix spike duplicate (MD, MS, MSD) results were acceptable.
Laboratory control sample (LCS) recoveries were acceptable.

The initial and continuing calibrations were acceptable.

CASE NARRATIVE

Client: E AND B BUFFALO
Project: Mr. Cs Dry Cleaners
Lab Order: 0501014

Client: E and B Buffalo Office
 Lab Order: 0501014
 Project: Mr. CS Dry Cleaners
 Client Sample ID: AS INFLUENT
 Alt. Client ID:
 Collection Date: 1/3/2005 9:50:00 AM % Moist:
 Lab ID: 0501014-01A
 Sample Type: SAMPL
 Matrix: Groundwater
 Test Code: 1_8260B_5030B_TCL_LL_W
 Prep Method: SW5030B_LL

LOW LEVEL VOCs BY METHOD 8260B
 Method: SW8260B
 Run Batch ID Analyst

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND	50.0	µg/L	50	1/6/2005 12:51:00 AM	LNUS_050105D	GP
1,1,2,2-Tetrachloroethane	ND	50.0	µg/L	50			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50.0	µg/L	50			
1,1,2-Trichloroethane	ND	50.0	µg/L	50			
1,1-Dichloroethane	ND	50.0	µg/L	50			
1,1-Dichloroethene	ND	50.0	µg/L	50			
1,2,4-Trichlorobenzene	ND	50.0	µg/L	50			
1,2-Dibromo-3-chloropropane	ND	250	µg/L	50			
1,2-Dibromoethane	ND	50.0	µg/L	50			
1,2-Dichlorobenzene	ND	50.0	µg/L	50			
1,2-Dichloroethane	ND	50.0	µg/L	50			
1,2-Dichloropropane	ND	50.0	µg/L	50			
1,3-Dichlorobenzene	ND	50.0	µg/L	50			
1,4-Dichlorobenzene	ND	50.0	µg/L	50			
2-Butanone	ND	250	µg/L	50			
2-Hexanone	ND	250	µg/L	50			
4-Methyl-2-pentanone	ND	250	µg/L	50			
Acetone	ND	250	µg/L	50			
Benzene	ND	50.0	µg/L	50			
Bromodichloromethane	ND	50.0	µg/L	50			
Bromoform	ND	50.0	µg/L	50			
Bromomethane	ND	100	µg/L	50			
Carbon disulfide	ND	250	µg/L	50			
Carbon tetrachloride	ND	50.0	µg/L	50			
Chlorobenzene	ND	50.0	µg/L	50			
Chloroethane	ND	100	µg/L	50			
Chloroform	ND	50.0	µg/L	50			
Chloromethane	ND	100	µg/L	50			
cis-1,2-Dichloroethene	ND	50.0	µg/L	50			
cis-1,3-Dichloropropene	ND	50.0	µg/L	50			
Cyclohexane	ND	50.0	µg/L	50			
Dibromochloromethane	ND	50.0	µg/L	50			
Dichlorodifluoromethane	ND	250	µg/L	50			
Ethylbenzene	ND	50.0	µg/L	50			
Isopropylbenzene	ND	50.0	µg/L	50			
Methyl acetate	ND	50.0	µg/L	50			
Methyl tert-butyl ether	9.60	50.0	µg/L	50			

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- R - RPD outside recovery limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICF linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit

Client: E and B Buffalo Office
 Lab Order: 0501014
 Project: Mr. Cs Dry Cleaners
 Client Sample ID: AS INFLUENT
 Alt. Client ID:
 Collection Date: 1/3/2005 9:50:00 AM % Moist:
 Lab ID: 0501014-01A
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_8260B_5030B_TCL_LL_W
 LOW LEVEL VOCs BY METHOD 8260B
 Method: SW8260B
 Prep Method: SW5030B_LL

Analyte Result Q RL Units DF Date Analyzed Run Batch ID Analyst

Methycyclohexane	ND	50.0	µg/L	50
Methylene chloride	ND	50.0	µg/L	50
Styrene	ND	50.0	µg/L	50
Tetrachloroethene	1220	50.0	µg/L	50
Toluene	ND	50.0	µg/L	50
trans-1,2-Dichloroethene	ND	50.0	µg/L	50
trans-1,3-Dichloropropene	ND	50.0	µg/L	50
Trichloroethene	30.3	50.0	µg/L	50
Trichlorofluoromethane	ND	50.0	µg/L	50
Vinyl chloride	ND	50.0	µg/L	50
Xylenes, Total	ND	50.0	µg/L	50
Surr:1,2-Dichloroethane-d4	95	70 - 128	%REC	50
Surr:4-Bromofluorobenzene	96	80 - 119	%REC	50
Surr:Dibromofluoromethane	91	85 - 110	%REC	50
Surr:Toluene-d8	90	83 - 110	%REC	50

50 1/6/2005 12:51:00 AM LINUS_050105D GP

Definitions:

- * Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NF - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- D - Diluted due to matrix or extended target compounds
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits

Laboratory Results

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086



ecology and environment, inc.

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client Sample ID: AS INFLUENT

CLIENT: E and E Buffalo Office

Alt. Client ID:

Lab Order: 0501014

Collection Date: 1/3/2005 9:50:00 AM

Project: Mr. Cs Dry Cleaners

Sample Type: SAMP

Lab ID: 0501014-01A

Matrix: GROUNDWATER

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER COMPOUND NAME RT EST. CONC. Q Units DF Quality(%) Date Analyzed Run Batch ID Analyst

LOW LEVEL VOCs BY METHOD 8260B
1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

NID - Not Detected at the Reporting Limit

R - RPD outside recovery limits

Laboratory Results

Client: E and B Buffalo Office
 Client Sample ID: AS EFFLUENT
 Lab Order: 0501014
 Alt. Client ID:
 Project: Mr. Cs Dry Cleaners
 Collection Date: 1/3/2005 9:56:00 AM % Moist:
 Lab ID: 0501014-02A
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_8260B_5030B_TCL_LLW
 Prep Method: SW5030B_LL

LOW LEVEL VOCs BY METHOD 8260B

Method: SW8260B

Analyte Result Q RT Units DF Date Analyzed Run Batch ID Analyst

Analyte	Result Q	RT	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND	1.00	µg/L	1	1/6/2005 12:20:00 AM	LINUS_050105D	GP
1,1,2,2-Tetrachloroethane	ND	1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	µg/L	1			
1,1,2-Trichloroethane	ND	1.00	µg/L	1			
1,1-Dichloroethane	ND	1.00	µg/L	1			
1,1-Dichloroethene	ND	1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND	1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND	5.00	µg/L	1			
1,2-Dibromoethane	ND	1.00	µg/L	1			
1,2-Dichlorobenzene	ND	1.00	µg/L	1			
1,2-Dichloroethane	ND	1.00	µg/L	1			
1,2-Dichloropropane	ND	1.00	µg/L	1			
1,3-Dichlorobenzene	ND	1.00	µg/L	1			
1,4-Dichlorobenzene	ND	1.00	µg/L	1			
2-Butanone	6.24	5.00	µg/L	1			
2-Hexanone	ND	5.00	µg/L	1			
4-Methyl-2-pentanone	1.94	5.00	µg/L	1			
Acetone	26.6	5.00	µg/L	1			
Benzene	ND	1.00	µg/L	1			
Bromodichloromethane	ND	1.00	µg/L	1			
Bromoform	ND	1.00	µg/L	1			
Bromomethane	ND	2.00	µg/L	1			
Carbon disulfide	ND	5.00	µg/L	1			
Carbon tetrachloride	ND	1.00	µg/L	1			
Chlorobenzene	ND	1.00	µg/L	1			
Chloroethane	ND	2.00	µg/L	1			
Chloroform	ND	1.00	µg/L	1			
Chloromethane	ND	2.00	µg/L	1			
cis-1,2-Dichloroethane	ND	1.00	µg/L	1			
cis-1,3-Dichloropropene	ND	1.00	µg/L	1			
Cyclohexane	ND	1.00	µg/L	1			
Dibromochloromethane	ND	1.00	µg/L	1			
Dichlorodifluoromethane	ND	5.00	µg/L	1			
Ethylbenzene	ND	1.00	µg/L	1			
Isopropylbenzene	ND	1.00	µg/L	1			
Methyl acetate	ND	1.00	µg/L	1			
Methyl tert-butyl ether	0.496	1.00	µg/L	1			

Definitions:

- * - Recovery outside QC limits
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits

Client: E and B Buffalo Office
 Lab Order: 0501014
 Project: Mr. Cs Dry Cleaners
 Client Sample ID: AS EFFLUENT
 Alt. Client ID:
 Collection Date: 1/3/2005 9:56:00 AM % Moist:
 Lab ID: 0501014-02A
 Sample Type: SAMP Matrix: Groundwater Test Code: 1_8260B_5030B_TCL_LL_W
 Method: SW8260B
 Prep Method: SW5030B_LL

LOW LEVEL VOCs BY METHOD 8260B

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Methylcyclohexane	ND	1.00	µg/L	1	1/6/2005 12:20:00 AM	LINUS_050105D	GP
Methylene chloride	0.630	1.00	µg/L	1			
Styrene	0.122	1.00	µg/L	1			
Tetrachloroethene	9.36	1.00	µg/L	1			
Toluene	0.540	1.00	µg/L	1			
trans-1,2-Dichloroethene	ND	1.00	µg/L	1			
trans-1,3-Dichloropropene	ND	1.00	µg/L	1			
Trichloroethene	0.858	1.00	µg/L	1			
Trichlorofluoromethane	ND	1.00	µg/L	1			
Vinyl chloride	ND	1.00	µg/L	1			
Xylenes, Total	0.506	1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	94	70 - 128	%REC	1			
Surr:4-Bromofluorobenzene	101	80 - 119	%REC	1			
Surr:Dibromofluoromethane	92	85 - 110	%REC	1			
Surr:Toluene-d8	92	83 - 110	%REC	1			

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- DNT - Did not Igalle
- I - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits

NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Client Sample ID: AS EFFLUENT

CLIENT: E and B Buffalo Office

Alt. Client ID:

Lab Order: 0501014

Collection Date: 1/3/2005 9:56:00 AM

Project: Mr. Cs Dry Cleaners

Matrix: GROUNDWATER

Lab ID: 0501014-02A Sample Type: SAMP

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER · COMPOUND NAME · RT · EST. CONC. · Q · Units DF Quality(%) · Date Analyzed · Run Batch ID Analyst

LOW LEVEL VOCs BY METHOD 8260B

1-8260B_5030B_TCL_LL_W

110-43-0 2-Heptanone

15.23

Number TICs Found: 1

1 NJ

1 91

1/6/2005 12:20:00 AM

LINUS_050105D

Definitions:

* Recovery outside QC limits

B - Analyte found in Method blank

DF - Dilution Factor

DNI - Did not ignite

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

N - Single Column Analysis

NC - Not Calculated

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

ICP METALS ANALYSIS BY METHOD 6010B
 Method: SW6010B
 Prep Method: SW3010A
 Lab ID: 0501014-01B
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_6010B_TAL_W
 Project: Mr. Cs Dry Cleaners
 Collection Date: 1/3/2005 9:50:00 AM
 % Moist:
 Client: E and B Buffalo Office
 Lab Order: 0501014
 Alt. Client ID:
 Client Sample ID: AS INFLUENT

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND	200	µg/L	1	1/11/2005 10:09:29 PM	OPTMA_050111E	SDP
Calcium	130000	1500	µg/L	1			
Cobalt	ND	20.0	µg/L	1			
Copper	ND	20.0	µg/L	1			
Iron	ND	200	µg/L	1			
Lead	ND	5.00	µg/L	1			
Magnesium	19700	1500	µg/L	1			
Manganese	180	10.0	µg/L	1			
Nickel	ND	20.0	µg/L	1			
Potassium	5590	1500	µg/L	1	1/8/2005 9:18:20 AM	OPTMA4300_050108A	
Silver	ND	10.0	µg/L	1	1/11/2005 10:09:29 PM	OPTMA_050111E	
Sodium	214000	1500	µg/L	1	1/8/2005 9:18:20 AM	OPTMA4300_050108A	
Vanadium	ND	20.0	µg/L	1	1/11/2005 10:09:29 PM	OPTMA_050111E	
Zinc	ND	20.0	µg/L	1	1/11/2005 10:09:29 PM	OPTMA_050111E	

Client: E and B Buffalo Office
 Lab Order: 0501014
 Alt. Client ID:
 Project: Mr. Cs Dry Cleaners
 Collection Date: 1/3/2005 9:50:00 AM
 % Moist:
 Lab ID: 0501014-01B
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_6010B_TAL_W
 Method: SW6010B
 Prep Method: SW3010A

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24
 050105_1015
 Printed: Thursday, January 13, 2005 7:43:26 AM

- Recovery outside QC limits
 - Analyte found in Method blank
 - Diluted due to matrix or extended target compounds
 - Result above quantitation limit (high standard or ICP linear range)
 - Matrix Spike Recovery outside limits
 - Not Detected at the Reporting Limit
 - RPD outside recovery limits

- Recovery outside QC limits
 - Analyte found in Method blank
 - Diluted due to matrix or extended target compounds
 - Result above quantitation limit (high standard or ICP linear range)
 - Matrix Spike Recovery outside limits
 - Not Detected at the Reporting Limit
 - RPD outside recovery limits

- Recovery outside QC limits
 F - Dilution Factor
 - Value Exceeds Maximum Contaminant Level
 - Single Column Analysis
 P - Petroleum Pattern is not present
 B - Analyte found in Method blank
 DNT - Did not Ignite
 J - Estimated value
 NC - Not Calculated
 P - Post Spike Recovery outside limits
 D - Diluted due to matrix or extended target compounds
 E - Result above quantitation limit (high standard or ICP linear range)
 M - Matrix Spike Recovery outside limits
 ND - Not Detected at the Reporting Limit
 R - RPD outside recovery limits

Findings:

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND	200	µg/L	1	1/11/2005 10:14:25 PM	OPTMA_05011E	SDP
Calcium	135000	1500	µg/L	1			
Cobalt	ND	20.0	µg/L	1			
Copper	ND	20.0	µg/L	1			
Iron	229	200	µg/L	1			
Lead	ND	5.00	µg/L	1			
Magnesium	20100	1500	µg/L	1			
Manganese	183	10.0	µg/L	1			
Nickel	ND	20.0	µg/L	1			
Potassium	5620	1500	µg/L	1	1/8/2005 9:24:13 AM	OPTMA4300_050108A	
Silver	ND	10.0	µg/L	1	1/11/2005 10:14:25 PM	OPTMA_05011E	
Sodium	216000	1500	µg/L	1	1/8/2005 9:24:13 AM	OPTMA4300_050108A	
Zinc	ND	20.0	µg/L	1	1/11/2005 10:14:25 PM	OPTMA_05011E	

Client: E and B Buffalo Office
 Lab Order: 0501014
 Project: Mr. Cs Dry Cleaners
 Lab ID: 0501014-02B
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_6010B_TAL_W
 Method: SW6010B
 Prep Method: SW3010A

Client Sample ID: AS EFFLUENT
 Alt. Client ID:
 Collection Date: 1/3/2005 9:56:00 AM % Moist:
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Client: E and B Buffalo Office

Lab Order: 0501014

Project: Mr. Cs Dry Cleaners

Lab ID: 0501014-01B

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_7470A_HG_W

Collection Date: 1/3/2005 9:50:00 AM % Moist:

Alt. Client ID:

Client Sample ID: AS INFLUENT

MERCURY ANALYSIS IN WATER BY METHOD 7470A Method: SW7470A Prep Method: SW7470A

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Mercury	ND	0.200	µg/L	1	1/7/2005 9:21:37 AM	LEEMAN_050107B	JLS

Definitions:

* Recovery outside QC limits

DF - Dilution Factor

I - Value Exceeds Maximum Contaminant Level

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

FP - Petroleum Pattern is not present

V - Single Column Analysis

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

B - Analyte found in Method blank

DNI - Did not ignite

Client: E and E Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0501014

Alt. Client ID:

Project: Mr. Cs Dry Cleaners

Collection Date: 1/3/2005 9:56:00 AM % Moist:

Lab ID: 0501014-02B

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_7470A_HG_W

MERCURY ANALYSIS IN WATER BY METHOD 7470A

Method: SW7470A

Prep Method: SW7470A

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Mercury	ND	0.200	µg/L	1	1/17/2005 9:22:59 AM	LEEMAN_050107B	JLS

Definitions:

R - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

E - Result above quantitation limit (high standard or ICP linear range).

I - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

V - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- I - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Definitions:

Hardness (As CaCO3)	280	mg/L	1.00	1	1/5/2005	WC_HARDNESS_050105A	LMW
---------------------	-----	------	------	---	----------	---------------------	-----

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
---------	----------	----	-------	----	---------------	--------------	---------

HARDNESS, TOTAL BY METHOD EPA 130.2 Method: EPA130.2 Prep Method: NA

Lab ID 0501014-01D Sample Type: SAMP Matrix: Groundwater Test Code: 1_130.2_HARD_W

Project: Mr. Cs Dry Cleaners Collection Date: 1/3/2005 9:50:00 AM % Moist:

Lab Order: 0501014 Alt. Client ID:

Client: E and B Buffalo Office Client Sample ID: AS INFLUENT

NYS ELAP ID#: 10486
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Laboratory Results

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits

Definitions:

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Hardness (As CaCO3)	228	1.00	mg/L	1	1/5/2005	WC_HARDNESS_050105A	LMW

HARDNESS, TOTAL BY METHOD EPA 130.2
 Method: EPA130.2 Prep Method: NA

Lab ID 0501014-02D Sample Type: SAMP Matrix: Groundwater Test Code: 1_130.2_HARD_W

Project: Mr. Cs Dry Cleaners Collection Date: 1/3/2005 9:56:00 AM % Moist:

Lab Order: 0501014 Alt. Client ID:

Client: E and B Buffalo Office Client Sample ID: AS EFFLUENT

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Client: E and B Buffalo Office

Lab Order: 0501014

Project: Mr. Cs Dry Cleaners

Lab ID 0501014-01D

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1.160.1.TDS.W

Method: EPA160.1

Prep Method: NA

TOTAL DISSOLVED SOLIDS (TDS) BY METHOD EPA 160.1

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Dissolved Solids (Residue, Filterable)	990	10	mg/L	1	1/5/2005	SARTORIUS_TDS_050105A	LMW

Definitions:

* - Recovery outside QC limits

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

NC - Not Calculated

P - Post Spike Recovery outside limits

I - Estimated value

DNI - Did not Ignite

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Client: E and B Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0501014

Alt. Client ID:

Project: Mr. Cs Dry Cleaners

Collection Date: 1/3/2005 9:56:00 AM % Moist:

Lab ID 0501014-02D

Sample Type: SAMPL Matrix: Groundwater Test Code: 1_160_1_TDS_W

TOTAL DISSOLVED SOLIDS (TDS) BY METHOD EPA 160.1

Method: EPA160.1 Prep Method: NA

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Dissolved Solids (Residue, Filterable)	1100	10	mg/L	1	1/5/2005	SARTORIUS_TDS_050105A	LMW

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits



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Laboratory Results

Client: E and E Buffalo Office

Lab Order: 0501014

Project: Mr. Cs Dry Cleaners

Lab ID 0501014-01D

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE

Method: EPA160.2
Prep Method: NA

Sample Type: SAMP
Matrix: Groundwater
Test Code: 1_160.2_TSS_W

Collection Date: 1/3/2005 9:50:00 AM % Moist:

Client Sample ID: AS INFLUENT
Alt. Client ID:

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
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Total Suspended Solids (Residue, Non-Filterable)	ND	4.0	mg/L	1	1/5/2005	SARTORIUS_TSS_050105A	LMW
---	----	-----	------	---	----------	-----------------------	-----

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

I - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Client: E and B Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0501014

Alt. Client ID:

Project: Mr. Cs Dry Cleaners

Collection Date: 1/3/2005 9:56:00 AM % Moist:

Lab ID 0501014-02D

Sample Type: SAMP Matrix: Groundwater Test Code: 1_160_2_TSS_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE

Method: EPA160.2 Prep Method: NA

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
---------	----------	----	-------	----	---------------	--------------	---------

Total Suspended Solids (Residue, Non-Filterable)	11	4.0	mg/L	1	1/5/2005	SARTORIUS_TSS_050105A	LMW
--	----	-----	------	---	----------	-----------------------	-----

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits



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Laboratory Results

Client: E and B Buffalo Office

Client Sample ID: AS INFLUENT
Alt. Client ID:

Lab Order: 0501014

Collection Date: 1/3/2005 9:50:00 AM % Moist:

Project: Mr. Cs Dry Cleaners

Lab ID 0501014-01C
Sample Type: SAMP
Matrix: Groundwater
Test Code: 1_9012A_CN_W

CYANIDE, TOTAL BY METHOD 9012A

Method: SW9012A
Prep Method: NA

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	ND	0.01	mg/L	1	1/4/2005 6:23:08 PM	LACHAT_CN_050104A	RLG

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Concentration Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits



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Client: E and E Buffalo Office

Client Sample ID: AS EFFLUENT
Alt. Client ID:

Lab Order: 0501014

Project: Mr. Cs Dry Cleaners

Lab ID 0501014-02C

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_9012A_CN_W

CYANIDE, TOTAL BY METHOD 9012A

Method: SW9012A
Prep Method: NA

Analyte	Result Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
---------	----------	----	-------	----	---------------	--------------	---------

Cyanide	ND	0.01	mg/L	1	1/4/2005 6:24:08 PM	LCHAT_CN_050104A	RLG
---------	----	------	------	---	---------------------	------------------	-----

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

Attachment B2
Selected pages from
ASC Analytical Data Package #0501178
January 14, 2005

January 20, 2005

Mr. Mike Steffan
E and E Buffalo Office
368 Pleasant View Dr.
Lancaster, NY 14086

RE: Mr. Cs Dry Cleaners

CostPoint ID: 000699.NY06.05.

Work Order No.: 0501178

Dear Mr. Mike Steffan,

Analytical Services Center received 2 samples on Friday, January 14, 2005 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NPLAC for which it holds certification except as noted in this narrative and/or as flagged in the report.

The ASC is accredited in the Fields of Testing Potable water (SDWA), Solid and Chemical Materials (Solid Hazardous Wastes, RCRA), Water (CWA and other non-potable water) and Air and Emissions. Its primary accrediting authorities are New York State Department of Health and Florida Department of Health. The particular analytes/methods certified may be ascertained by requesting the laboratory's current certificates from your laboratory Project Manager.

E & E will retain the samples addressed in this report for 30 days, unless otherwise instructed by the client. If additional storage is requested, the storage fee is \$1.00 per sample container per month, to accrue until the client authorizes sample destruction.

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

Sincerely,

Barbara Krajewski

Barbara Krajewski

Project Manager

CC:

Enclosures as noted





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NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Laboratory Results

Client: B AND B BUFFALO
Project: Mr. Cs Dry Cleaners
Lab Order: 0501178

CASE NARRATIVE

Cooler temperature was 1.5 degrees C upon receipt. Two of the three volatile vials sent for sample INFLUENT were frozen. One of the vials cracked when detosted.

GCMS VOLATILES

A DB 624 column and a trap packed with OV-1, Tenax, silica gel and activated charcoal was used for the volatile analysis.

Sample analysis
 The EFFLUENT sample was determined to be at a pH of <2 and the INFLUENT sample at a pH of 7. The samples were analyzed within hold time.
 Sample INFLUENT was analyzed at a dilution based on historical data and the level of tetrachloroethene present.


Calibration and Tunes
 Initial and continuing calibrations were acceptable.
 Manual peak integration was not required.

QC
 Surrogate recoveries were within acceptable limits.
 Method blank analysis was acceptable.
 Laboratory control sample (LCS) recoveries were acceptable.
 Internal standard area responses were acceptable.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080



ASPH
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Client: E and B Buffalo Office

Lab Order: 0501178

Project: Mr. Cs Dry Cleaners

Lab ID: 0501178-01A

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_8260B_5030B_TCL_LL_W

LOW LEVEL VOCs BY METHOD 8260B

Method: SW8260B

Prep Method: SW5030B_LL

Client Sample ID: INFLEUNT

Alt. Client ID:

Collection Date: 1/14/2005 12:13:00 P % Moist:

Analyte Result Q RL Units DF Date Analyzed Run Batch ID Analyst

1,1,1-Trichloroethane ND 50.0 µg/L 50 1/17/2005 4:13:00 PM L1NUS_050117B DWW

1,1,2,2-Tetrachloroethane ND 50.0 µg/L 50

1,1,2-Trichloro-1,2,2-

trifluoroethane ND 50.0 µg/L 50

1,1,2-Trichloroethane ND 50.0 µg/L 50

1,1-Dichloroethane ND 50.0 µg/L 50

1,1-Dichloroethane ND 50.0 µg/L 50

1,2-Dibromo-3-chloropropane ND 250 µg/L 50

1,2-Dibromoethane ND 50.0 µg/L 50

1,2-Dichlorobenzene ND 50.0 µg/L 50

1,2-Dichloroethane ND 50.0 µg/L 50

1,2-Dichloropropane ND 50.0 µg/L 50

1,3-Dichlorobenzene ND 50.0 µg/L 50

1,4-Dichlorobenzene ND 50.0 µg/L 50

2-Butanone ND 250 µg/L 50

2-Hexanone ND 250 µg/L 50

4-Methyl-2-pentanone ND 250 µg/L 50

Acetone ND 250 µg/L 50

Benzene ND 50.0 µg/L 50

Bromodichloromethane ND 50.0 µg/L 50

Bromoform ND 50.0 µg/L 50

Bromomethane ND 100 µg/L 50

Carbon disulfide ND 250 µg/L 50

Carbon tetrachloride ND 50.0 µg/L 50

Chlorobenzene ND 50.0 µg/L 50

Chloroethane ND 100 µg/L 50

Chloroform ND 50.0 µg/L 50

Chloromethane ND 100 µg/L 50

cis-1,2-Dichloroethane 5.00 µg/L 50

cis-1,3-Dichloropropene ND 50.0 µg/L 50

Cyclohexane ND 50.0 µg/L 50

Dibromochloromethane ND 50.0 µg/L 50

Dichlorodifluoromethane ND 250 µg/L 50

Ethylbenzene ND 50.0 µg/L 50

Isopropylbenzene ND 50.0 µg/L 50

Methyl acetate ND 50.0 µg/L 50


Methyl tert-butyl ether 11.2 µg/L 50

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NF - Petroleum Pattern is not present
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (High standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits
- F - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits

Laboratory Results

NYS ELAP ID#: 10486
 Phone: (716) 685-8080



ASPH
 Analytical Services Center
 International Specialists in Environmental Analysis
 4493 Walden Avenue
 a division of
 Lancaster, New York 14086
 ecology and environment, inc.

Client: E and B Buffalo Office

Lab Order: 0501178

Project: Mr. Cs Dry Cleaners

Lab ID: 0501178-01A

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_8260B_5030B_TCL_LL_W

LOW LEVEL VOCs BY METHOD 8260B

Method: SW8260B

Prep Method: SW5030B_LL

Client Sample ID: INFLUENT

Alt. Client ID:

Collection Date: 1/14/2005 12:13:00 P % Moist:

Analyte	Result	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Methylcyclohexane	ND	50.0	µg/L	50	1/17/2005 4:13:00 PM	LINUS_0501178	DWV
Methylene chloride	ND	50.0	µg/L	50			
Styrene	ND	50.0	µg/L	50			
Tetrachloroethene	1220	50.0	µg/L	50			
Toluene	ND	50.0	µg/L	50			
trans-1,2-Dichloroethene	ND	50.0	µg/L	50			
trans-1,3-Dichloropropene	ND	50.0	µg/L	50			
Trichloroethene	31.3	50.0	µg/L	50			
Trichlorofluoromethane	ND	50.0	µg/L	50			
Vinyl chloride	ND	50.0	µg/L	50			
Xylenes, Total	ND	50.0	µg/L	50			
Surr:1,2-Dichloroethane-d4	88	70 - 128	%REC	50			
Surr:4-Bromofluorobenzene	99	80 - 119	%REC	50			
Surr:Dibromofluoromethane	90	85 - 110	%REC	50			
Surr:Toluene-d8	88	83 - 110	%REC	50			

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not ignite
- J - Estimated value
- NC - Not Calculated
- F - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Laboratory Results

Analytical Services Center
 International Specialists in Environmental Analysis
 4493 Walden Avenue
 Lancaster, New York 14086

NYS ELAP ID#: 10486
 Phone: (716) 685-8080



Client Sample ID: INFLUENT

CLIENT: E and H Buffalo Office

Alt. Client ID:

Lab Order: 0501178

Collection Date: 1/14/2005 12:13:00 PM

Project: Mr. Cs Dry Cleaners

% Moist:

Sample Type: SAMP

Lab ID: 0501178-01A

Matrix: GROUNDWATER

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Quality(%)	Date Analyzed	Run Batch ID	Analyst
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LOW LEVEL VOCs BY METHOD 8260B
 1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNT - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Client: E and E Buffalo Office

Client Sample ID: EFFLUENT

Lab Order: 0501178

Alt. Client ID:

Project: Mr. Cs Dry Cleaners

Collection Date: 1/14/2005 12:13:00 P % Moist:

Lab ID: 0501178-02A

Sample Type: SAMP

Matrix: Groundwater

Test Code: 1_8260B_5030B_TCL_LL_W

LOW LEVEL VOCs BY METHOD 8260B

Method: SW8260B

Prep Method: SW5030B_LL

Analyte Result Q RL Units DF Date Analyzed Run Batch ID Analyst

1,1,1-Trichloroethane	ND	1.00	µg/L	1	1/17/2005 5:17:00 PM	LNUS_050117B	DWW
1,1,2-Tetrachloroethane	ND	1.00	µg/L	1			
1,1,2-Trichloroethane	ND	1.00	µg/L	1			
1,1-Dichloroethane	ND	1.00	µg/L	1			
1,1-Dichloroethane	ND	1.00	µg/L	1			
1,2-Dichloroethane	ND	1.00	µg/L	1			
1,2-Dichloroethane	ND	1.00	µg/L	1			
1,2-Dibromoethane	ND	1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND	5.00	µg/L	1			
1,2,4-Trichlorobenzene	ND	1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND	1.00	µg/L	1			
1,3-Dichlorobenzene	ND	1.00	µg/L	1			
1,4-Dichlorobenzene	ND	1.00	µg/L	1			
2-Butanone	6.83	5.00	µg/L	1			
2-Hexanone	ND	5.00	µg/L	1			
4-Methyl-2-pentanone	0.762	5.00	µg/L	1			
Acetone	29.5	5.00	µg/L	1			
Benzene	ND	1.00	µg/L	1			
Bromodichloromethane	ND	1.00	µg/L	1			
Bromoform	ND	1.00	µg/L	1			
Bromomethane	ND	2.00	µg/L	1			
Carbon disulfide	ND	5.00	µg/L	1			
Carbon tetrachloride	ND	1.00	µg/L	1			
Chlorobenzene	ND	1.00	µg/L	1			
Chloroethane	ND	2.00	µg/L	1			
Chloroform	ND	1.00	µg/L	1			
Chloromethane	ND	2.00	µg/L	1			
cis-1,2-Dichloroethane	ND	1.00	µg/L	1			
cis-1,3-Dichloropropene	ND	1.00	µg/L	1			
Cyclohexane	ND	1.00	µg/L	1			
Dibromochloromethane	ND	1.00	µg/L	1			
Dichlorodifluoromethane	ND	5.00	µg/L	1			
Ethylbenzene	ND	1.00	µg/L	1			
Isopropylbenzene	ND	1.00	µg/L	1			
Methyl acetate	ND	1.00	µg/L	1			
Methyl tert-butyl ether	0.649	1.00	µg/L	1			

Definitions:

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- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNT - Did not figure
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits



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NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Laboratory Results

Client: E and B Buffalo Office
 Lab Order: 0501178
 Project: Mr. Cs Dry Cleaners
 Client Sample ID: EFFLUENT
 Alt. Client ID:
 Collection Date: 1/14/2005 12:13:00 P % Moist:
 Lab ID: 0501178-02A
 Sample Type: SAMP
 Matrix: Groundwater
 Test Code: 1_8260B_5030B_TCL_LL_W
 Method: SW8260B
 Prep Method: SW5030B_LL

LOW LEVEL VOCs BY METHOD 8260B

Analyte	Result Q	RT	Units	DF	Date Analyzed	Run Batch ID	Analyst
Methylcyclohexane	ND	1.00	µg/L	1	1/17/2005 5:17:00 PM	LINUS_050117B	DWW
Methylene chloride	0.677	1.00	µg/L	1			
Styrene	ND	1.00	µg/L	1			
Tetrachloroethene	8.55	1.00	µg/L	1			
Toluene	0.336	1.00	µg/L	1			
trans-1,2-Dichloroethene	ND	1.00	µg/L	1			
trans-1,3-Dichloropropene	ND	1.00	µg/L	1			
Trichloroethene	0.316	1.00	µg/L	1			
Trichlorofluoromethane	ND	1.00	µg/L	1			
Vinyl chloride	ND	1.00	µg/L	1			
Xylenes, Total	ND	1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	88	70 - 128	%REC	1			
Surr:4-Bromofluorobenzene	100	80 - 119	%REC	1			
Surr:Dibromofluoromethane	89	85 - 110	%REC	1			
Surr:Toluene-d8	89	83 - 110	%REC	1			

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNT - Did not ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- R - RPD outside recovery limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICF linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit

NYS ELAP ID#: 10486
 Phone: (716) 685-8080

Laboratory Results

Client Sample ID: EFFLUENT

CLIENT: E and B Buffalo Office

Alt. Client ID:

Lab Order: 0501178

Collection Date: 1/14/2005 12:13:00 PM

Project: Mr. Cs Dry Cleaners

Matrix: GROUNDWATER

Sample Type: SAMP

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER COMPOUND NAME RT EST. CONC. Q Units DF Quality(%) Date Analyzed Run Batch ID Analyst

LOW LEVEL VOCs BY METHOD 8260B
 1-8260B_5030B_TCL_LL_W

123-86-4 Acetic acid, butyl ester 12.87 2 NJ 1 78 1/17/2005 5:17:00 PM LINUS_0501178

Number TICs Found: 1

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- F - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Attachment C
Summary of Site Utility Costs and Projections
October 2003 to January 2005

