GPS

ecology and environment engineering, p.c.

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January 11, 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
December 2004 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this December 2004 Operation and Maintenance (O&M) Report for the Mr. C's Dry Cleaners Site, Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from EEEPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. Selected pages from the individual analytical data packages prepared by EEEPC's Analytical Services Center (ASC) are provided as Attachments B1, B2 and B3. 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 D.

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

Operational Summary

- The system was operational for approximately 97% of the period between 11/23/04 and 12/27/04. The system was down for approximately 24 hours from Monday, 12/6/04, to Tuesday, 12/7/04, due to cleaning and system modifications discussed below. The inlet flange on the stripper was broken on 12/6 and was replaced on 12/7. The system was re-started at that time. The system was fully operational otherwise. 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 December 2004 indicate that approximately 1,556,063 gallons of groundwater were processed through the treatment system from 11/23/04 through 12/27/04. Table 2 provides a summary of groundwater volume treated during the December 2004 monitoring period. Historical volumes are based on totalizer readings provided by the contractor's weekly inspection forms.

- Piezometer measurements were collected on 12/13/04 at the time of compliance sampling. These readings are provided in the weekly inspection reports provided in Attachment A.
- Filters in the bag filter unit were replaced during weekly inspections on 11/29/04, 12/13/04, 12/21/04 and 12/27/04.
- Checklists for weekly system inspections from OMEI are provided as Attachment A for 11/29/04, 12/6/04, 12/13/04, 12/21/04 and 12/27/04. Weekly system checks indicate that all operating equipment appear to be operating within normal ranges with any exceptions noted above.
- As a result of analytical results received from EEEPC's ASC on December 7, 2004, a non-compliance issue was reported and a letter issued to NYSDEC on December 7, 2004. This letter is provided as Attachment C. The non-compliance issue was regarding elevated levels of PCE above the effluent discharge criteria. The letter of December 7, 2004 outlined a corrective action plan and sampling/analysis program. All initial response actions were completed in December 2004. Additional corrective action response will be performed after the GAC vessels are removed on January 14, 2005.
- The granular carbon vessels were taken off-line and OMEI re-plumbed the air intake on the air stripper on 12/6/04, such that the blowers are now pulling air from the outside and pushing air through the stipper tower. EEEPC and OMEI believe this piping configuration will provide better treatment performance. The former air stripper piping configuration pulled fresh air through the air stipper tower and pushed the air stripper exhaust through the carbon vessels.
- Modern Disposal was onsite 12/13/04 with vacuum truck to remove granular carbon. The vessels will be removed in January 2005 and shipped to another NYSDEC site in Long Island, NY.
- A copy of the site utility costs from EEEPC operations starting October 2003 to date is provided as Attachment D.

Analytical Summary - Groundwater

- EEEPC and OMEI personnel collected weekly samples of influent and effluent groundwater on three separate occasions during the reporting period (12/8/04, 12/13/04 and 12/21/04) as part of the corrective action in response to the tetrachloroethene (PCE) discharge exceedance that occurred in November 2004. The groundwater samples collected on 12/8/04 and 12/21/04 were analyzed for VOCs only. The groundwater samples collected 12/13/04 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 December 2004 sampling events are presented in Table 3.
- The concentrations of Toluene, Xylene and Total Dissolved Solids in the effluent groundwater sampled on December 13, 2004 were above their

respective Daily Maximum Effluent Discharge Compliance Concentrations listed on Table 4. The concentrations of Toluene and Xylene were back in compliance on December 21, 2004 9only VOC analysis was performed on 12/21/04 samples). It is assumed that this is a one-time exceedance due to the presence of PVC solvent and glue used for the modifications made to the interior piping on December 8, 2004 described above. Also, Rydlime was used on December 3, 2004, which could account for the residues of Toluene and Xylene in the December 13, 2004 analytical results. The sample results from December 21, 2004 indicated no elevated readings for VOCs as noted in the previous week's analytical results. Once the GAC vessels are removed from the building, a complete teardown and cleaning of the stripper is scheduled.

- The December analytical results indicate that the treated groundwater effluent was in compliance with the Effluent Limitation Requirements for all metals Total Dissolved Solids (TDS) were detected above the compliance concentration of 850 mg/L for the month of December 2004. A comparison between the November 2004 analytical results and the Effluent Limitation Requirements for the site are provided in Table 4.
- Approximately 18.6 pounds of VOCs were removed from the influent groundwater based on calculations using the average of the 3 effluent discharge analytical results. 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.

If you have any questions regarding the December 2004 O&M report summary submitted, please call me a 716-684-8060.

Very Truly Yours,

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

cc: G. Sutton, Region 9, NYSDEC - Buffalo w/ attachments
R. Becken, O&M Enterprises w/attachments
D. Miller, E&E-Buffalo w/o attachments
G. Jones, Site Representative, E&E - Buffalo - w/ 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%
	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
	TOTAL GALLONS	**51,352,442**

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	December 8, 2004			December 13, 2004			December 21, 2004			December 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)	Cleanup Efficiency (%)	Influent Concentration (µg/L)	Effluent Concentration (µg/L)
2-Butanone	ND (<250)	8.19	NA	ND (<250)	178	NA	ND (<250)	0.978 J	NA	ND (<250)	62.39
4-Methyl-2-pentanone	ND (<250)	ND (<5.00)	NA	ND (<250)	1.47 J	NA	ND (<250)	ND (<5.00)	NA	ND (<250)	0.49
Acetone	ND (<250)	3.94 J	NA	ND (<250)	155	NA	ND (<250)	4.73 J	NA	ND (<250)	54.56
cis-1,2-Dichloroethene	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	ND (<1.00)	NA	5.85 J	ND (<1.00)	100%	1.95	ND (<1.00)
Ethylbenzene	ND (<50.0)	ND (<5.00)	NA	ND (<50.0)	2.12	NA	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	0.71
Methyl tert-butyl ether	12.3 J	1.13	91%	12.4 J	0.939 J	92%	13.2 J	1.47	89%	12.63	1.18
Methylene chloride	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	0.65 J	NA	ND (<50.0)	0.687 J	NA	ND (<50.0)	0.45
Styrene	ND (<50.0)	0.352 J	NA	ND (<50.0)	ND (<1.00)	NA	ND (<50.0)	0.322 J	NA	ND (<50.0)	0.22
Tetrachloroethene	1180	2.85	100%	1510	3.52	100%	1840	3.53	100%	1510.00	3.30
Toluene	ND (<50.0)	0.159 J	NA	ND (<50.0)	25.5	NA	ND (<50.0)	0.23 J	NA	ND (<50.0)	8.63
Trichloroethene	29.6 J	0.51 J	98%	37.5 J	ND (<1.00)	100%	46.1 J	0.352 J	99%	37.73	0.29
									TOTAL =	1562.32	132.21

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	December 8, 2004 Effluent Analytical Values	December 13, 2004 Effluent Analytical Values	December 21, 2004 Effluent Analytical Values
Flow	216,000	gpd		47,153	
pH	6.0 - 9.0	standard units	NA	8.22	NA
1,1 Dichloroethene	10	ug/L	<1.00	<1.00	<1.00
1,2 Dichloroethane	10	ug/L	<1.00	<1.00	<1.00
Trichloroethene	10	ug/L	3.32	<1.00	0.352 J
Tetrachloroethene	10	ug/L	2.85	3.52	3.53
Vinyl Chloride	10	ug/L	<1.00	<1.00	<1.00
Benzene	5	ug/L	<1.00	<1.00	<1.00
Ethyl Benzene	5	ug/L	<1.00	2.12	<1.00
Methylene Chloride	10	ug/L	<1.00	0.650 J	0.687 J
1,1,1 Trichloroethane	10	ug/L	<1.00	<1.00	<1.00
Toluene	5	ug/L	0.159 J	25.5	0.230 J
o-Xylene[2]	5	ug/L	<1.00	17.0	<1.00
m, p-Xylene[2]	10	ug/L	<1.00	17.0	<1.00
Iron, total	600	ug/L	NA	199 J	NA
Aluminum	4,000	ug/L	NA	<200	NA
Copper	48	ug/L	NA	<20.0	NA
Lead	11	ug/L	NA	<5.00	NA
Manganese	2,000	ug/L	NA	181	NA
Silver	100	ug/L	NA	4.67 J	NA
Vanadium	28	ug/L	NA	4.93 J	NA
Zinc	230	ug/L	NA	<20.0	NA
Total Dissolved Solids	850	mg/L	NA	990	NA
Total Suspended Solids	20	mg/L	NA	19	NA
Cyanide, Free	10	ug/L	NA	<10	NA

NOTES:

1. "Daily Maximum" excerpted from Attachment E 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 "Daily Maximum"
4. "NA" indicates that analyses were not performed and data is unavailable.
5. The average daily flow is given for the entire reporting period.

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002[6]	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[6]	1/7/03 - 2/3/03	1803	10	29.5
February 2003[6]	2/3/03 - 3/10/03	1985	3	35.7
March 2003[6]	3/10/03 - 4/7/03	1990	5	54.1
April 2003[6]	4/7/03 - 5/2/03	1656	3	35.5
May 2003[6]	5/2/03 - 6/2/03	1623	7	22.3
June 2003[6]	6/2/03 - 6/30/03	5787	6	96.6
July 2003[6]	6/30/03 - 7/29/03	1356	1	28.8
August 2003[6]	7/29/03 - 8/25/03	1263	3	21.5
September 2003[6]	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
Total pounds of VOCs removed from inception =				**814.7**

NOTES:
1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
2. Calculations assume that non-detect values = 0 ug/L.
3. Calculations are based on totalizer readings.
4. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
5. No samples were collected in September 2003. August 2003 values are used.
6. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
7. Treatment system operated by O&M Enterprises from 10/03 to present.
8. 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:

(1562 ug/L-132.21ug/L)(1g/10^6 ug)*(1 lb/453.5924 g)*1,556,063 gallons*(3.785 L/gallon) ~ 18.6 lbs*

where 1,556,063 gallons is the monthly process water volume.

Attachment A
OMEI Weekly Inspection Reports
December 2004

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

Date/Time 11\29\04 8:50

Inspection personnel RC Becken

Other personnel on site Jim Mays

Weather Conditions 38 degrees overcast

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	6	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	6	ft
PW-6	(ON)	OFF	14	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	7	ft
	Equalization tank		4	ft

Influent Flow Rate 28.15 gpm

Influent Totalizer Reading 6441299 gallons

Sequestering agent drum level 24" ft-in

Amount of sequestering agent remaining 25 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 7 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 10 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.12 inches H_2O

Air stripper vacuum 18 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 7 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 3801415 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			NA	NA	
GAC effluent			NA	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
System Inspection Form

Other observations:

Describe any other system maintenance performed
Changed filters, afterwhich influent flow increased to 87.02 gpm.
Changed the pump in PW-6, last weeks cleaning of it had little or no effect on it's pumping rate. New pump installed and I will take old pump to the shop to try and clean. Installed new environmental power lead on the new PW-6 pump.

Signature

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

Date/Time 12\6\04 9:00

Inspection personnel RC Becken CD Becken

Other personnel on site

Weather Conditions light snow 31 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	6	ft
PW-4	(ON)	OFF	6	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	6	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	6	ft
	Equalization tank		4	ft

Influent Flow Rate 87.74 gpm

Influent Totalizer Reading 7092536 gallons

Sequestering agent drum level 13" ft-in

Amount of sequestering agent remaining ~18 gallons

Sequestering agent feed rate 0.01 gpm

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 4 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 10 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.1 inches H_2O

Air stripper vacuum 23 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 4175586 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 57 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			NA	NA	
GAC effluent			NA	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
System Inspection Form

Other observations: _____

Describe any other system maintenance performed
Cleaned stripper tray with Rydlyme even though it looked pretty good prior to cleaning. Changed the stripper blowers, they now blow the air stream through the stripper trays instead of sucking the air through them. After cleaning the trays and while reinstalling the tray cover I broke the water inlet flange, I could not purchase one today so the system will be off until tomorrow when I get the flange.

Signature _____

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

Date/Time 12\13\04 8:10

Inspection personne RC Becken

Other personnel on site Modern employees 3 Jim Mayes Mike Steffan

Weather Conditions light snow 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	6	ft
PW-4	(ON)	OFF	6	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	6	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	6	ft
	Equalization tank		4	ft

Influent Flow Rate 97 gpm

Influent Totalizer Reading 7640943 gallons

Sequestering agent drum level 10" ft-in

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 0.01 gpm

Sequestering agent metering Pump Pressure 1 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 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.14 inches H_2O

Air stripper vacuum 3 inches H_2O Air stripper pressure 20

Effluent feed pump in use (#1) (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 449743 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 58 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		2:29	7.41	2.41	54.1
Air stripper effluent		2:30	8.22	3.91	53.8
GAC influent			NA	NA	
GAC effluent			NA	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
System Inspection Form

Other observations: _____

Describe any other system maintenance performed
Changed filters.
Modern Disposal on site to vac carbon out of the carbon units, vac truck had aprox. 5-10 gallons of an oily material in it. The truck operator said it would not affect disposal. Jim Mays and I measured waterlevels in all monitoring wells.

Signature _____

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

Date 12/13/2004 Measurements taken by RC Becken J Mays

RW-1	24.6	ft	Comments	
PZ-1A	11.86	ft	Comments	
PZ-1B	11.47	ft	Comments	
PZ-1C	12.61	ft	Comments	
PZ-1D		ft	Comments	car parked on well
PW-2	23.59	ft	Comments	
PZ-2A	11.27	ft	Comments	
PZ-2B	11.6	ft	Comments	
PZ-2C	11.12	ft	Comments	
PZ-2D		ft	Comments	
PW-3	19.56	ft	Comments	
PZ-3A	11.77	ft	Comments	
PZ-3B	11.79	ft	Comments	
PZ-3C	12.3	ft	Comments	
PZ-3D	11.82	ft	Comments	
PW-4	22.9	ft	Comments	
PZ-4A	11.91	ft	Comments	
PZ-4B	11.34	ft	Comments	
PZ-4C	11.52	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 12/13/2004 Measurements taken by RC Becken J Mays

PW-5	22.1	ft	Comments	
PZ-5A	10.77	ft	Comments	
PZ-5B	11.05	ft	Comments	
PZ-5C	10.66	ft	Comments	
PZ-5D	11.49	ft	Comments	
PW-6	21.6	ft	Comments	
PZ-6A	11.76	ft	Comments	
PZ-6B	11.58	ft	Comments	
PZ-6C	11.91	ft	Comments	
PZ-6D	11.42	ft	Comments	
PW-7	18.64	ft	Comments	
PZ-7A	11.55	ft	Comments	
PZ-7B	12.09	ft	Comments	
MPI-6S	11.05	ft	Comments	
PZ-7D	11.55	ft	Comments	
PW-8	23.3	ft	Comments	
PZ-8A	8.36	ft	Comments	
PZ-8B	8.28	ft	Comments	
PZ-8C	7.85	ft	Comments	
PZ-8D	8.27	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 12\21\04 9:10

Inspection personnel RC Becken

Other personnel on site Jim Mayes

Weather Conditions overcast 26 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	7	ft
PW-3	(ON)	OFF	7	ft
PW-4	(ON)	OFF	4	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 22.11 gpm

Influent Totalizer Reading 8029899 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining 8-May gallons

Sequestering agent feed rate 0.1 gpm

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 22 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 0.14 inches H_2O

Air stripper vacuum 3 inches H_2O air stripper pressure 18

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 7 psi

Effluent flow rate ~95 gpm

Effluent Totalizer reading 4728416 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	pH	Turbidity	Temp.
Air stripper influent		9:50			
Air stripper effluent		9:55			
GAC influent			NA	NA	
GAC effluent			NA	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
System Inspection Form

Other observations: _____

Describe any other system maintenance performed
changed filter afterwhich the influent flow increased to 67 gpm. Installed the manhole covers on both carbon vessels.

Signature _____

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

Date/Time 12\27\04 9:00

Inspection personnel RC Becken

Other personnel on site

Weather Conditions cold, sunny,16 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	4	ft
PW-2	(ON)	OFF	5	ft
PW-3	(ON)	OFF	7	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	3	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 60 gpm

Influent Totalizer Reading 8579302 gallons

Sequestering agent drum level <1" ft-in

Amount of sequestering agent remaining ~2 gallons

Sequestering agent feed rate 0.01 gpm

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 16 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 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 0.16 inches H_2O

Air stripper vacuum 3 inches H_2O Air pressure in sump 22"H2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 7 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 5047629 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	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent			NA	NA	
GAC effluent			NA	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
System Inspection Form

Other observations: _____

Describe any other system maintenance performed

Changed filter

Signature _____

Attachment B1
Selected pages from
ASC Analytical Data Package #0412104
December 8, 2004

analytical services center
International Specialists in Environmental Analysis
4493 Walden Avenue, Lancaster, New York 14086
Tel: 716/685-8080, 800/327-6534 • Fax: 716/685-0852 • Email: asc@ene.com

December 14, 2004

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.: **0412104**

Dear Mr. Mike Steffan,

Analytical Services Center received 2 samples on Wednesday, December 08, 2004 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NELAC 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.

Sincerely,

Barbara Krajewski
Project Manager

CC:
Enclosures as noted

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

Laboratory Results

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

Client:	E AND E BUFFALO
Project:	Mr. Cs Dry Cleaners
Lab Order:	0412104

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.

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 is acceptable.
Laboratory control sample (LCS) recoveries were acceptable.
Internal standard area responses were acceptable.

CHAIN OF CUSTODY RECORD

ASC analytical services center

Ecology and Environment, Inc., Analytical Services Center
4493 Walden Avenue, Lancaster, New York, 14086, Tel: 716/685-8080, Fax 716/685-0852
Where Scientific Excellence and Efficiency Meet

Cooler No: 1
Lab: ASC
Page: of

PROJECT No: 000699NY0605

LOCATION: (Include State) EAST AURORA, NY

CLIENT: NEW YORK STATE DEC

SITE NAME: MR C'S DRY CLEANERS

PROJECT MANAGER: M. STEFFAN

OFFICE No.: HQ

FIELD TEAM LEADER: J. MAYS

PHONE No.: HQ

SAMPLERS: (PRINT) RICK BECKEN AND JAMES MAYS

CONTAINER TYPE AND PRESERVATIVE: 40ml VOA VIAL

REQUESTED ANALYSIS: VOC'S

TURNAROUND TIME:
- 24-HOUR
- 48-HOUR
- 1-WEEK (X)
- STANDARD
- RUSH
- OTHER

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	No. OF CONTAINERS	VOC'S	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
12/08/04	1101	AS INFLUENT	GW		3	3				
12/08/04	1103	AS EFFLUENT	GW		3	3				

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Temperature Blank Info.	LAB PROJECT No.:	LAB PROJECT MANAGER:
[signature]	12/08/04 1230	[signature]	12-8-04 12:30	Enclosed: (Yes) No		
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Ship Via: Date:	(FOR LAB USE ONLY)	
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Bl/Airbill Number:	Date: Time: Temperature: °C Work Order No:	

Distribution: White - Lab original Yellow - Field team leader/Project Manager

F1260699.P65

Cooler Receipt Form

No. of Packages:	1	**Date Received:**	12-8-04
Package Receipt No.:	15172	**Project or Site Name:**	
Client:	MR C's		

A. Peliminary Examination and Receipt Phase	Circle One		
1. Did coolers come with airbill or packing slip?	Yes	(No)	NA
Circle carrier here and print airbill number below: Fed Ex Airborne Client Other E-F.			
Shipped as high hazard or dangerous goods?	Yes	(No)	NA
2. Did cooler(s) have custody seals?	(Yes)	No	NA
3. Were custody seals unbroken and intact on receipt?	(Yes)	No	NA
4. Were custody seals dated and signed?	(Yes)	No	NA
5. How was package secured? ☐ Not secured ☐ Fiberglass Tape ☐ CLEAR TAPE			

B. Unpacking Phase

6. Date cooler(s) opened: 12-8-04 Cooler(s) opened by: D Skelmann (Signature)

7. Was a temperature blank vial included inside cooler(s)?	Yes	No	NA

Please Record Temperature Vial or Cooler Temperature for Each Cooler, Range (2° - 6°C)*

Airbill No.	Temp °C	Airbill No.	Temp °C	Airbill No.	Temp °C
—	25				

Thermometer No.: 231 Correction Factor: 0.0 *If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.

8. Were the C-O-C forms received?	(Yes)	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	Yes	(No)	NA
Type of material: ☐ Vermiculite ☐ Bubble Wrap ☐ Other NONE			
10. If cooling was required, what was the means (type ice) of cooling used: ☑ Wet ☐ Dry ☐ Blue ☐ Other			NA
11. Were all containers sealed in separate plastic bags?	(Yes)	No	NA
12. Did all containers arrive unbroken and in good condition?	(Yes)	No	NA

13. Interim storage area if not logged: _____

In: Date _____ Time _____ Signature _____

Out: Date _____ Time _____ Signature _____

C. Login Phase

Samples Logged in By Signature: Date:

14. Were all container labels complete (e.g. date, time preserved)?	(Yes)	No	NA
15. Were all C-O-C forms filled out properly in black ink and signed?	(Yes)	No	NA
16. Did the C-O-C form agree with containers received?	(Yes)	No	NA
17. Were the correct containers used for the tests requested?	(Yes)	No	NA
18. Were the correct preservatives listed on the sample labels?	Yes	No	(NA)
19. Was a sufficient sample volume sent for the tests requested?	(Yes)	No	NA
20. Were all volatile samples received without headspace?	(Yes)	No	NA

*Prepare a PM Notification form (F-051).

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086-
a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners
Lab Order: 0412104
Date Received: 12/8/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0412104-01A	AS INFLUENT		12/8/2004 11:01:00 AM
0412104-02A	AS EFFLUENT		12/8/2004 11:01:00 AM

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a division of ecology and environment, inc.

Laboratory Results

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

Lab Order: 0412104
Client: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0412104-02A	AS EFFLUENT	Water	Low Level VOCs by Method 8260B	12/8/2004 11:01:00 AM	12/8/2004 12:30:00 PM	7:R 12/15/2004 12:30:00 PM	12/10/2004 5:47:00 PM 1078284	SAMP	1	48	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0412104-01A	AS INFLUENT	Water	Low Level VOCs by Method 8260B	12/8/2004 11:01:00 AM	12/8/2004 12:30:00 PM	7:R 12/15/2004 12:30:00 PM	12/10/2004 6:19:00 PM 1078287	SAMP	50	48	☐

HT From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

** "Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date and time of completion of the preparation.*
For TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects the extraction from the original sample leacheate unless an "RE" Sample exists for the extraction (tumble) test.

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Laboratory Results

NYS ELAP ID#: 10486

Client: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners
Work Order: 0412104

Method References

GCMS Volatiles

VOCs, Low Level by GCMS Method 8260B	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412104
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/8/2004 11:01:00 A **% Moist:**

Lab ID: 0412104-01A **Sample Type:** SAMP **Matrix:** Water **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		50.0	µg/L	50	12/10/2004 6:19:00 PM	LINUS_041210B	RMJ
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	12.3	J	50.0	µg/L	50			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412104
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/8/2004 11:01:00 A **% Moist:**

Lab ID: 0412104-01A **Sample Type:** SAMP **Matrix:** Water **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
Methylcyclohexane	ND		50.0	µg/L	50			
Methylene chloride	ND		50.0	µg/L	50			
Styrene	ND		50.0	µg/L	50			
Tetrachloroethene	1180		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	29.6	J	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	102		70 - 128	%REC	50	12/10/2004 6:19:00 PM	LINUS_041210B	RMJ
Surr:4-Bromofluorobenzene	96		80 - 119	%REC	50			
Surr:Dibromofluoromethane	98		85 - 110	%REC	50			
Surr:Toluene-d8	90		83 - 110	%REC	50			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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

Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	**AS INFLUENT**
Lab Order:	0412104	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	12/8/2004 11:01:00 AM
Lab ID:	**0412104-01A**	**Sample Type:** SAMP	**Matrix:** WATER **% 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
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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412104
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/8/2004 11:01:00 A **% Moist:**

Lab ID: 0412104-02A **Sample Type:** SAMP **Matrix:** Water **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	12/10/2004 5:47:00 PM	LINUS_041210B	RMJ
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	8.19		5.00	µg/L	1			
2-Hexanone	ND		5.00	µg/L	1			
4-Methyl-2-pentanone	ND		5.00	µg/L	1			
Acetone	3.94	J	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-Dichloroethene	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	1.13		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
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412104
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/8/2004 11:01:00 A **% Moist:**

Lab ID: 0412104-02A **Sample Type:** SAMP **Matrix:** Water **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
Methylcyclohexane	ND		1.00	µg/L	1			
Methylene chloride	ND		1.00	µg/L	1			
Styrene	0.352	J	1.00	µg/L	1			
Tetrachloroethene	2.85		1.00	µg/L	1			
Toluene	0.159	J	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	0.510	J	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	100		70 - 128	%REC	1	12/10/2004 5:47:00 PM	LINUS_041210B	RMJ
Surr:4-Bromofluorobenzene	96		80 - 119	%REC	1			
Surr:Dibromofluoromethane	95		85 - 110	%REC	1			
Surr:Toluene-d8	93		83 - 110	%REC	1			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	**AS EFFLUENT**
Lab Order:	0412104	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	12/8/2004 11:01:00 AM
Lab ID:	**0412104-02A**	**Sample Type:** SAMP	**Matrix:** WATER **% 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
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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412104
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B

Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-37-3** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041210B** SeqNo: **1078285** Analysis Date: **12/10/2004 3:41:00 PM** Prep Batch ID: **0412104I1r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
1,1,1-Trichloroethane	ND	0.1230	1.000								
1,1,2,2-Tetrachloroethane	ND	0.1710	1.000								
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720	1.000								
1,1,2-Trichloroethane	ND	0.1390	1.000								
1,1-Dichloroethane	ND	0.1170	1.000								
1,1-Dichloroethene	ND	0.1370	1.000								
1,2,4-Trichlorobenzene	ND	0.1450	1.000								
1,2-Dibromo-3-chloropropane	ND	0.3730	5.000								
1,2-Dibromoethane	ND	0.1260	1.000								
1,2-Dichlorobenzene	ND	0.08000	1.000								
1,2-Dichloroethane	ND	0.1090	1.000								
1,2-Dichloropropane	ND	0.09610	1.000								
1,3-Dichlorobenzene	ND	0.09330	1.000								
1,4-Dichlorobenzene	ND	0.1010	1.000								
2-Butanone	ND	0.8150	5.000								
2-Hexanone	ND	0.1870	5.000								
4-Methyl-2-pentanone	ND	0.3930	5.000								
Acetone	ND	1.730	5.000								
Benzene	ND	0.1040	1.000								
Bromodichloromethane	ND	0.1410	1.000								
Bromoform	ND	0.09900	1.000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412104
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-37-3** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041210B** SeqNo: **1078285** Analysis Date: **12/10/2004 3:41:00 PM** Prep Batch ID: **041210411r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Bromomethane	ND	0.1010	2.000								
Carbon disulfide	ND	0.1180	5.000								
Carbon tetrachloride	ND	0.1110	1.000								
Chlorobenzene	ND	0.1150	1.000								
Chloroethane	ND	0.1210	2.000								
Chloroform	ND	0.1200	1.000								
Chloromethane	ND	0.1420	2.000								
cis-1,2-Dichloroethene	ND	0.09900	1.000								
cis-1,3-Dichloropropene	ND	0.1040	1.000								
Cyclohexane	ND	0.09990	1.000								
Dibromochloromethane	ND	0.08740	1.000								
Dichlorodifluoromethane	ND	0.3040	5.000								
Ethylbenzene	ND	0.1640	1.000								
Isopropylbenzene	ND	0.1010	1.000								
Methyl acetate	ND	0.3870	1.000								
Methyl tert-butyl ether	ND	0.1090	1.000								
Methylcyclohexane	ND	0.1070	1.000								
Methylene chloride	ND	0.1280	1.000								
Styrene	ND	0.1180	1.000								
Tetrachloroethene	ND	0.1410	1.000								
Toluene	ND	0.1190	1.000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit **Analyte Types:** S - Surrogate I - Internal Standard

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412104
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-37-3** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041210B** SeqNo: **1078285** Analysis Date: **12/10/2004 3:41:00 PM** Prep Batch ID: **0412104I1r** Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
	trans-1,2-Dichloroethene	ND	0.1280	1.000								
	trans-1,3-Dichloropropene	ND	0.1120	1.000								
	Trichloroethene	ND	0.1630	1.000								
	Trichlorofluoromethane	ND	0.1850	1.000								
	Vinyl chloride	ND	0.1190	1.000								
	Xylenes, Total	ND	0.3070	1.000								
S	1,2-Dichloroethane-d4	9.953	0	0			100	70	128			
S	4-Bromofluorobenzene	9.324	0	0			93	80	119			
S	Dibromofluoromethane	9.650	0	0			97	85	110			
S	Toluene-d8	9.235	0	0			92	83	110			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit **Analyte Types:** S - Surrogate I - Internal Standard

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Laboratory Results

NYS ELAP ID#: 10486

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	
Lab Order:	0412104	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	
Lab ID:	MB-1851-37-3	**Sample Type:** MBLK	**Matrix:** WATER **% Moist:**

TENTATIVELY IDENTIFIED COMPOUNDS

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

LOW LEVEL VOCS BY METHOD 8260B
1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:	ND - Not Detected at the Reporting Limit	* - Recovery outside limits	M -Matrix Spike recovery outside limits
	J - Analyte detected below Reporting limits	R - RPD outside recovery limits	Q - Qualifier
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range	D - Diluted Out
	H - Value exceeds Maximum Contaminant Level	Surr - Denotes Surrogate Compound	N - Single Column Analysis

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412104
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **LCS-1851-37-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041210B** SeqNo: **1078286** Analysis Date: **12/10/2004 2:37:00 PM** Prep Batch ID: **041210411r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
1,1-Dichloroethene	9.404	0.1370	1.000	10.00	0	94	80	120			
Benzene	9.905	0.1040	1.000	10.00	0	99	80	120			
Chlorobenzene	10.09	0.1150	1.000	10.00	0	101	80	120			
Toluene	10.11	0.1190	1.000	10.00	0	101	80	120			
Trichloroethene	10.75	0.1630	1.000	10.00	0	107	80	120			
S 1,2-Dichloroethane-d4	9.713	0	0	10.00	0	97	70	128			
S 4-Bromofluorobenzene	9.215	0	0	10.00	0	92	80	119			
S Dibromofluoromethane	9.655	0	0	10.00	0	97	85	110			
S Toluene-d8	9.471	0	0	10.00	0	95	83	110			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit
Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
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Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: E and E Buffalo Office
Work Order: 0412104
Project: Mr. Cs Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: LINUS_041210B

QC SUMMARY REPORT SURROGATE RECOVERIES

Low Level VOCs by Method 8260B

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0412104-01A	SAMP	96	90	98	102				
0412104-02A	SAMP	96	93	95	100				
LCS-1851-37-2	LCS	92	95	97	97				
MB-1851-37-3	MBLK	93	92	97	100				

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	80-119
BZMED8	=	Toluene-d8	83-110
DBFM	=	Dibromofluoromethane	85-110
DCA12D4	=	1,2-Dichloroethane-d4	70-128

*** Surrogate recovery outside acceptance limits**

D - Diluted due to matrix or extended target compounds

Attachment B2
Selected pages from
ASC Analytical Data Package #0412166
December 13, 2004

analytical services center
International Specialists in Environmental Analysis
4493 Walden Avenue, Lancaster, New York 14086
Tel: 716/685-8080, 800/327-6534 • Fax: 716/685-0852 • Email: asc@ene.com

January 03, 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.: **0412166**

Dear Mr. Mike Steffan,

Analytical Services Center received 2 samples on Monday, December 13, 2004 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NELAC 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.

Sincerely,

Barbara Krajewski
Project Manager

CC:
Enclosures as noted

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

Laboratory Results

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

Client: E AND E BUFFALO
Project: Mr. Cs Dry Cleaners
Lab Order: 0412166

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.
Samples AS INFLUENT was analyzed at a 50-fold dilution. Sample AS EFFLUENT required reanalysis at a 5-fold dilution. Dilutions were required due to the levels of target compounds 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 analyses were acceptable.
Matrix spike/spike duplicate (MS/MSD) recoveries and RPD values were acceptable.
Laboratory control sample (LCS) recoveries were acceptable.
Internal standard area responses were acceptable.

METALS
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
Samples were digested and analyzed within hold time.

CASE NARRATIVE

Calibrations
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 value were within the control limits.
Laboratory control sample (LCS) recovery was acceptable.

GENERAL ANALYTICAL CHEMISTRY

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 duplicates, matrix spikes, and matrix spike duplicates (MD, MS, MSD) were acceptable except the cyanide MS was low at 61%. The acceptable range is 82-122%. The MSD was acceptable.
The TDS laboratory control sample (LCS) recovery was high at 121%. The acceptable range is 80-120%. The samples were not re-analyzed due to hold time constraints. The low level LCS for cyanide was slightly high at 111%. The acceptable range is 90-110%. Cyanide was not detected in the associated samples.

CHAIN OF CUSTODY RECORD

ASC analytical services center

Ecology and Environment, Inc., Analytical Services Center
4493 Walden Avenue, Lancaster, New York, 14086, Tel: 716/685-8080, Fax 716/685-0852
Where Scientific Excellence and Efficiency Meet

COC ID: _____
Cooler No: _____
Lab: ASC
Page: 1 of 1

PROJECT NO: 000699NY0605	LOCATION: (Include State) EAST AURORA, NY
CLIENT: NEW YORK STATE DEC	
SITE NAME: MR. C'S DRY CLEANERS	
PROJECT MANAGER: MIKE STEFFAN	OFFICE No.: HQ EXT 2528
FIELD TEAM LEADER: JAMES MAYS	PHONE No.: HQ EXT 2626
SAMPLERS:(PRINT) JAMES MAYS & RICK BECKEN	

CONTAINER TYPE AND PRESERVATIVE: 40 mL VOA VIAL – | 1 6oz POLY NITRIC | 1 6oz POLY NaOH | 1L POLY

TURNAROUND TIME: 24-HOUR ☐ R | 48-HOUR ☐ U | 1-WEEK ☒ S | STANDARD ☒ H | OTHER _____

REQUESTED ANALYSIS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOC's	METALS	CYANIDE	TSS, TDS, HARDNESS	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
12/13/04	1429	AS INFLUENT	GW		6	0	3	1	1	1				
12/13/04	1430	AS EFFLUENT	GW		6	0	3	1	1	1				

1 - Week Turnaround

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	TEMPERATURE BLANK INFO. Enclosed: (Yes) No	LAB PROJECT NO.:	LAB PROJECT MANAGER:
[signature]	1508 12/13/04					
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Ship Via: Date:	(FOR LAB USE ONLY)	
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time: 12/14/04 1505	BLA/Airbill Number:	Date: Time: Temperature: C° Work Order No:	

Distribution: White-Lab Original Yellow-Field Team Leader/Project Manager

F1430602.cdr

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID: 0412166-01A **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
1,1,1-Trichloroethane	ND		50.0	µg/L	50	12/17/2004 6:45:00 AM	LINUS_041216D	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	12.4	J	50.0	µg/L	50			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID: 0412166-01A **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
Methylcyclohexane	ND		50.0	µg/L	50			
Methylene chloride	ND		50.0	µg/L	50			
Styrene	ND		50.0	µg/L	50			
Tetrachloroethene	1510		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	37.5	J	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	94		70 - 128	%REC	50	12/17/2004 6:45:00 AM	LINUS_041216D	GP
Surr:4-Bromofluorobenzene	92		80 - 119	%REC	50			
Surr:Dibromofluoromethane	94		85 - 110	%REC	50			
Surr:Toluene-d8	89		83 - 110	%REC	50			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
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NC - Not Calculated
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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:30:00 P **% Moist:**

Lab ID: 0412166-02A **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	12/17/2004 4:33:00 AM	LINUS_041216D	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	178		25.0	µg/L	5	12/17/2004 1:27:00 PM	LINUS_041217C	DWW
2-Hexanone	ND		5.00	µg/L	1	12/17/2004 4:33:00 AM	LINUS_041216D	GP
4-Methyl-2-pentanone	1.47	J	5.00	µg/L	1			
Acetone	155		25.0	µg/L	5	12/17/2004 1:27:00 PM	LINUS_041217C	DWW
Benzene	ND		1.00	µg/L	1	12/17/2004 4:33:00 AM	LINUS_041216D	GP
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-Dichloroethene	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	2.12		1.00	µg/L	1			
Isopropylbenzene	ND		1.00	µg/L	1			
Methyl acetate	ND		1.00	µg/L	1			
Methyl tert-butyl ether	0.939	J	1.00	µg/L	1			

Definitions:

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D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
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R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS EFFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:30:00 P **% Moist:**
Lab ID: 0412166-02A **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
Methylcyclohexane	ND		1.00	µg/L	1			
Methylene chloride	0.650	J	1.00	µg/L	1			
Styrene	ND		1.00	µg/L	1			
Tetrachloroethene	3.52		1.00	µg/L	1			
Toluene	25.5		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	ND		1.00	µg/L	1			
Trichlorofluoromethane	ND		1.00	µg/L	1			
Vinyl chloride	ND		1.00	µg/L	1			
Xylenes, Total	17.0		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	95		70 - 128	%REC	1	12/17/2004 4:33:00 AM	LINUS_041216D	GP
Surr:4-Bromofluorobenzene	95		80 - 119	%REC	1			
Surr:Dibromofluoromethane	94		85 - 110	%REC	1			
Surr:Toluene-d8	89		83 - 110	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS INFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID: 0412166-01B **Sample Type:** SAMP **Matrix:** Groundwater **Test Code:** 1_6010B_TAL_W

ICP METALS ANALYSIS BY METHOD 6010B **Method:** SW6010B **Prep Method:** SW3010A

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND		200	µg/L	1	12/15/2004 9:52:57 PM	OPTIMA3300_041215C	SDP
Calcium	119000		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	19100		1500	µg/L	1			
Manganese	179		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	5390		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	214000		1500	µg/L	1	12/17/2004 12:58:57 AM	OPTIMA4300_041216G	
Vanadium	ND		20.0	µg/L	1	12/15/2004 9:52:57 PM	OPTIMA3300_041215C	
Zinc	ND		20.0	µg/L	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:30:00 P **% Moist:**

Lab ID: 0412166-02B **Sample Type:** SAMP **Matrix:** Groundwater **Test Code:** 1_6010B_TAL_W

ICP METALS ANALYSIS BY METHOD 6010B **Method:** SW6010B **Prep Method:** SW3010A

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND		200	µg/L	1	12/15/2004 9:57:51 PM	OPTIMA3300_041215C	SDP
Calcium	122000		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	181		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	5690		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	209000		1500	µg/L	1	12/17/2004 1:04:46 AM	OPTIMA4300_041216G	
Vanadium	ND		20.0	µg/L	1	12/15/2004 9:57:51 PM	OPTIMA3300_041215C	
Zinc	ND		20.0	µg/L	1			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID: 0412166-01B **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	12/29/2004 7:59:37 AM	LEEMAN_041229A	JLS

Definitions:

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

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS EFFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:30:00 P **% Moist:**
Lab ID: 0412166-02B **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	12/29/2004 8:00:56 AM	LEEMAN_041229A	JLS

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS INFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID 0412166-01D **Sample Type:** SAMP **Matrix:** Groundwater **Test Code:** 1_130.2_HARD_W

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

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Hardness (As CaCO3)	320		1.00	mg/L	1	12/27/2004	WC_HARDNESS_041227A	PAN

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
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NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:30:00 P **% Moist:**

Lab ID 0412166-02D **Sample Type:** SAMP **Matrix:** Groundwater **Test Code:** 1_130.2_HARD_W

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

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Hardness (As CaCO3)	353		1.00	mg/L	1	12/27/2004	WC_HARDNESS_041227A	PAN

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
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ND - Not Detected at the Reporting Limit
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NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Client Sample ID: AS INFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID 0412166-01D **Sample Type:** SAMP **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)	930		10	mg/L	1	12/15/2004	SARTORIUS_TDS_041215A	LMW

Definitions:

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

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS EFFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:30:00 P **% Moist:**
Lab ID 0412166-02D **Sample Type:** SAMP **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)	990		10	mg/L	1	12/15/2004	SARTORIUS_TDS_041215A	LMW

Definitions:

* - Recovery outside QC limits
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D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
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M - Matrix Spike Recovery outside limits
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NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
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International Specialists in Environmental Analysis
4493 Walden Avenue
a division of ecology and environment, inc. Lancaster, New York 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID 0412166-01D **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)	8.0		4.0	mg/L	1	12/15/2004	SARTORIUS_TSS_041215A	LMW

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS EFFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:30:00 P **% Moist:**
Lab ID 0412166-02D **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)	19		4.0	mg/L	1	12/15/2004	SARTORIUS_TSS_041215A	LMW

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
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P - Post Spike Recovery outside limits
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NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: E and E Buffalo Office
Lab Order: 0412166
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/13/2004 2:29:00 P **% Moist:**

Lab ID 0412166-01C **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	12/22/2004 9:44:56 AM	LACHAT_CN_041221C	MGR

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
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NC - Not Calculated
ND - Not Detected at the Reporting Limit
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P - Post Spike Recovery outside limits
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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS EFFLUENT
Lab Order: 0412166
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 12/13/2004 2:30:00 P **% Moist:**
Lab ID 0412166-02C **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	12/22/2004 9:47:54 AM	LACHAT_CN_041221C	MGR

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Attachment B3
Selected pages from
ASC Analytical Data Package #0412255
December 21, 2004

analytical services center
International Specialists in Environmental Analysis
4493 Walden Avenue, Lancaster, New York 14086
Tel: 716/685-8080, 800/327-6534 • Fax: 716/685-0852 • Email: asc@ene.com

January 03, 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.: **0412255**

Dear Mr. Mike Steffan,

Analytical Services Center received 2 samples on Tuesday, December 21, 2004 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NELAC 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.

Sincerely,

Barbara Krajewski
Project Manager

CC:
Enclosures as noted

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
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Laboratory Results

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

Client:	E AND E BUFFALO
Project:	Mr. Cs Dry Cleaners
Lab Order:	0412255

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 required analysis at a dilution due to 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.

CHAIN OF CUSTODY RECORD

ASC analytical services center

Ecology and Environment, Inc., Analytical Services Center
4493 Walden Avenue, Lancaster, New York, 14086, Tel: 716/685-8080, Fax 716/685-0852
Where Scientific Excellence and Efficiency Meet

COC ID: _____
Cooler No: _____
Lab: ASC

PROJECT NO: 900699NY0605

CLIENT: NEW YORK STATE DEC

LOCATION: (Include State) EAST AURORA, NY

SITE NAME: MR. C's DRY CLEANERS

PROJECT MANAGER: MIKE STEFFAN

OFFICE No.: HQ EXT 2528

FIELD TEAM LEADER: JAMES MAYS

PHONE No.: HQ Ext 2626

SAMPLERS:(PRINT) RICK BECKEN & JAMES MAYS

CONTAINER TYPE AND PRESERVATIVE: 40mL VOA VIAL

TURNAROUND TIME:
- 24-HOUR ☐ RUSH
- 48-HOUR ☐
- 1-WEEK ☒
- STANDARD ☐
- OTHER _____

REQUESTED ANALYSIS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOC's	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
12/21/04	0950	AS INFLUENT	GW		3	0	3				NOTE: 1-WEEK
12/21/04	0955	AS EFFLUENT	GW		3	0	3				Turnaround

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	TEMPERATURE BLANK INFO.	LAB PROJECT NO.:	LAB PROJECT MANAGER:
[signature]	12/21/04 1130	[signature]	12-21-04 11:30	Enclosed: (Yes) No		
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Ship Via: Date:		
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	BLA/Airbill Number:	(FOR LAB USE ONLY) Date: Time: Temperature: C° Work Order No:	

Distribution: White-Lab Original Yellow-Field Team Leader/Project Manager

F1430602.cdr

Cooler Receipt Form

No. of Packages:	1	**Date Received:**	12-21-04
Package Receipt No.:	15255	**Project or Site Name:**	
Client:	E·E BUFFALO	MR C'S	

A. Peliminary Examination and Receipt Phase	*Circle One*		
1. Did coolers come with airbill or packing slip?	Yes	(No)	NA
Circle carrier here and print airbill number below: Fed Ex Airborne Client Other E·E			
Shipped as high hazard or dangerous goods?	Yes	(No)	NA
2. Did cooler(s) have custody seals?	(Yes)	No	NA
3. Were custody seals unbroken and intact on receipt?	(Yes)	No	NA
4. Were custody seals dated and signed?	(Yes)	No	NA
5. How was package secured? ☐ Not secured ☐ Fiberglass Tape ☐ CLEAR TAPE			

B. Unpacking Phase

6. Date cooler(s) opened: 12-21-04 Cooler(s) opened by: D Skolmann (Signature)

7. Was a temperature blank vial included inside cooler(s)?	Yes	No	NA

Please Record Temperature Vial or Cooler Temperature for Each Cooler, Range (2° - 6°C)*

Airbill No.	Temp °C	Airbill No.	Temp °C	Airbill No.	Temp °C
—	4-0				

Thermometer No.: 231 Correction Factor: 0·0 *If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.

8. Were the C-O-C forms received?	(Yes)	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	Yes	No	NA
Type of material: Vermiculite Bubble Wrap Other NONE			
10. If cooling was required, what was the means (type ice) of cooling used: (Wet) Dry Blue Other			NA
11. Were all containers sealed in separate plastic bags?	(Yes)	No	NA
12. Did all containers arrive unbroken and in good condition?	(Yes)	No	NA

13. Interim storage area if not logged: _____

In: Date _____ Time _____ Signature _____

Out: Date _____ Time _____ Signature _____

C. Login Phase

Samples Logged in By Signature: D Skolmann Date: 12-21-04

14. Were all container labels complete (e.g. date, time preserved)?	(Yes)	No	NA
15. Were all C-O-C forms filled out properly in black ink and signed?	(Yes)	No	NA
16. Did the C-O-C form agree with containers received?	(Yes)	No	NA
17. Were the correct containers used for the tests requested?	(Yes)	No	NA
18. Were the correct preservatives listed on the sample labels?	Yes	No	(NA)
19. Was a sufficient sample volume sent for the tests requested?	(Yes)	No	NA
20. Were all volatile samples received without headspace?	(Yes)	No	NA

DJ

*Prepare a PM Notification form (F-051).

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Laboratory Results

NYS ELAP ID#: 10486

CLIENT: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners
Lab Order: 0412255
Date Received: 12/21/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0412255-01A	AS INFLUENT		12/21/2004 9:50:00 AM
0412255-02A	AS EFFLUENT		12/21/2004 9:55:00 AM

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Laboratory Results

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

Lab Order: 0412255
Client: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0412255-02A	AS EFFLUENT	GroundwateLow Level VOCs by Method 8260B		12/21/2004 9:55:00 AM	12/21/2004 11:30:00 AM	7:R 12/28/2004 11:30:00 AM	12/21/2004 2:36:00 PM 1084173	SAMP	1	48	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0412255-01A	AS INFLUENT	GroundwateLow Level VOCs by Method 8260B		12/21/2004 9:50:00 AM	12/21/2004 11:30:00 AM	7:R 12/28/2004 11:30:00 AM	12/21/2004 3:39:00 PM 1084174	SAMP	50	48	☐

HT From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

** "Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date and time of completion of the preparation.*
For TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects the extraction from the original sample leacheate unless an "RE" Sample exists for the extraction (tumble) test.

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Laboratory Results

NYS ELAP ID#: 10486

Client: E and E Buffalo Office
Project: Mr. Cs Dry Cleaners
Work Order: 0412255

Method References

GCMS Volatiles

VOCs, Low Level by GCMS Method 8260B	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412255
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/21/2004 9:50:00 A **% Moist:**

Lab ID: 0412255-01A **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
1,1,1-Trichloroethane	ND		50.0	µg/L	50	12/21/2004 3:39:00 PM	LINUS_041221A	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-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	5.85	J	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	13.2	J	50.0	µg/L	50			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412255
Project: Mr. Cs Dry Cleaners
Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 12/21/2004 9:50:00 A **% Moist:**
Lab ID: 0412255-01A **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
Methylcyclohexane	ND		50.0	µg/L	50			
Methylene chloride	ND		50.0	µg/L	50			
Styrene	ND		50.0	µg/L	50			
Tetrachloroethene	1840		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	46.1	J	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	101		70 - 128	%REC	50	12/21/2004 3:39:00 PM	LINUS_041221A	DWW
Surr:4-Bromofluorobenzene	94		80 - 119	%REC	50			
Surr:Dibromofluoromethane	97		85 - 110	%REC	50			
Surr:Toluene-d8	89		83 - 110	%REC	50			

Definitions:

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B - Analyte found in Method blank
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DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
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Phone: (716) 685-8080

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	AS INFLUENT
Lab Order:	0412255	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	12/21/2004 9:50:00 AM
Lab ID:	0412255-01A	**Sample Type:** SAMP	**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
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
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Client: E and E Buffalo Office
Lab Order: 0412255
Project: Mr. Cs Dry Cleaners
Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/21/2004 9:55:00 A **% Moist:**

Lab ID: 0412255-02A **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	12/21/2004 2:36:00 PM	LINUS_041221A	DWW
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	0.978	J	5.00	µg/L	1			
2-Hexanone	ND		5.00	µg/L	1			
4-Methyl-2-pentanone	ND		5.00	µg/L	1			
Acetone	4.73	J	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-Dichloroethene	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	1.47		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
- DF - Dilution Factor
- DNI - Did not Ignite
- E - Result above quantitation limit (high standard or ICP linear range).
- H - Value Exceeds Maximum Contaminant Level
- J - Estimated value
- M - Matrix Spike Recovery outside limits
- N - 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

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0412255
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 12/21/2004 9:55:00 A **% Moist:**

Lab ID: 0412255-02A **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
Methylcyclohexane	ND		1.00	µg/L	1			
Methylene chloride	0.687	J	1.00	µg/L	1			
Styrene	0.322	J	1.00	µg/L	1			
Tetrachloroethene	3.53		1.00	µg/L	1			
Toluene	0.230	J	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	0.352	J	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	97		70 - 128	%REC	1	12/21/2004 2:36:00 PM	LINUS_041221A	DWW
Surr:4-Bromofluorobenzene	98		80 - 119	%REC	1			
Surr:Dibromofluoromethane	95		85 - 110	%REC	1			
Surr:Toluene-d8	91		83 - 110	%REC	1			

Definitions:

* - 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
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H - Value Exceeds Maximum Contaminant Level
J - Estimated value
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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

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4493 Walden Avenue
a division of ecology and environment, inc. Lancaster, New York 14086

Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	AS EFFLUENT
Lab Order:	0412255	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	12/21/2004 9:55:00 AM
Lab ID:	0412255-02A	**Sample Type:** SAMP	**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
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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Analytical Services Center
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Lancaster, New York 14086-
a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412255
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-50-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041221A** SeqNo: **1084162** Analysis Date: **12/21/2004 9:11:00 AM** Prep Batch ID: **041221411r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	0.1230	1.000								
1,1,2,2-Tetrachloroethane	ND	0.1710	1.000								
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720	1.000								
1,1,2-Trichloroethane	ND	0.1390	1.000								
1,1-Dichloroethane	ND	0.1170	1.000								
1,1-Dichloroethene	ND	0.1370	1.000								
1,2,4-Trichlorobenzene	ND	0.1450	1.000								
1,2-Dibromo-3-chloropropane	ND	0.3730	5.000								
1,2-Dibromoethane	ND	0.1260	1.000								
1,2-Dichlorobenzene	ND	0.08000	1.000								
1,2-Dichloroethane	ND	0.1090	1.000								
1,2-Dichloropropane	ND	0.09610	1.000								
1,3-Dichlorobenzene	ND	0.09330	1.000								
1,4-Dichlorobenzene	ND	0.1010	1.000								
2-Butanone	ND	0.8150	5.000								
2-Hexanone	ND	0.1870	5.000								
4-Methyl-2-pentanone	ND	0.3930	5.000								
Acetone	ND	1.730	5.000								
Benzene	ND	0.1040	1.000								
Bromodichloromethane	ND	0.1410	1.000								
Bromoform	ND	0.09900	1.000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit
Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086-
a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412255
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B

Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-50-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041221A** SeqNo: **1084162** Analysis Date: **12/21/2004 9:11:00 AM** Prep Batch ID: **0412214l1r** Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Bromomethane	ND	0.1010	2.000								
Carbon disulfide	ND	0.1180	5.000								
Carbon tetrachloride	ND	0.1110	1.000								
Chlorobenzene	ND	0.1150	1.000								
Chloroethane	ND	0.1210	2.000								
Chloroform	ND	0.1200	1.000								
Chloromethane	ND	0.1420	2.000								
cis-1,2-Dichloroethene	ND	0.09900	1.000								
cis-1,3-Dichloropropene	ND	0.1040	1.000								
Cyclohexane	ND	0.09990	1.000								
Dibromochloromethane	ND	0.08740	1.000								
Dichlorodifluoromethane	ND	0.3040	5.000								
Ethylbenzene	ND	0.1640	1.000								
Isopropylbenzene	ND	0.1010	1.000								
Methyl acetate	ND	0.3870	1.000								
Methyl tert-butyl ether	ND	0.1090	1.000								
Methylcyclohexane	ND	0.1070	1.000								
Methylene chloride	ND	0.1280	1.000								
Styrene	ND	0.1180	1.000								
Tetrachloroethene	ND	0.1410	1.000								
Toluene	ND	0.1190	1.000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit **Analyte Types:** S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086-
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Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412255
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **MB-1851-50-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041221A** SeqNo: **1084162** Analysis Date: **12/21/2004 9:11:00 AM** Prep Batch ID: **041221411r** Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
	trans-1,2-Dichloroethene	ND	0.1280	1.000								
	trans-1,3-Dichloropropene	ND	0.1120	1.000								
	Trichloroethene	ND	0.1630	1.000								
	Trichlorofluoromethane	ND	0.1850	1.000								
	Vinyl chloride	ND	0.1190	1.000								
	Xylenes, Total	ND	0.3070	1.000								
S	1,2-Dichloroethane-d4	9.810	0	0			98	70	128			
S	4-Bromofluorobenzene	9.450	0	0			95	80	119			
S	Dibromofluoromethane	9.585	0	0			96	85	110			
S	Toluene-d8	9.097	0	0			91	83	110			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit **Analyte Types:** S - Surrogate I - Internal Standard

Analytical Services Center
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Lancaster, New York 14086-
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Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	
Lab Order:	0412255	**Alt. Client ID:**	
Project:	Mr. Cs Dry Cleaners	**Collection Date:**	
Lab ID:	MB-1851-50-2	**Sample Type:** MBLK	**Matrix:** WATER	**% Moist:**

TENTATIVELY IDENTIFIED COMPOUNDS

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

LOW LEVEL VOCS BY METHOD 8260B
1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:	ND - Not Detected at the Reporting Limit	* - Recovery outside limits	M -Matrix Spike recovery outside limits
	J - Analyte detected below Reporting limits	R - RPD outside recovery limits	Q - Qualifier
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range	D - Diluted Out
	H - Value exceeds Maximum Contaminant Level	Surr - Denotes Surrogate Compound	N - Single Column Analysis

Analytical Services Center
International Specialists in Environmental Analysis
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a division of ecology and environment, inc.
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0412255
Project: Mr. Cs Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike

VOCs, Low Level by GCMS Method 8260B Test Code: *1_8260B_5030B_TCL_LL_W* Units: µg/L

Sample ID: **LCS-1851-50-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LINUS_041221A** SeqNo: **1084161** Analysis Date: **12/21/2004 8:07:00 AM** Prep Batch ID: **041221411r** Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
	1,1-Dichloroethene	9.317	0.1370	1.000	10.00	0	93	80	120			
	Benzene	9.990	0.1040	1.000	10.00	0	100	80	120			
	Chlorobenzene	10.20	0.1150	1.000	10.00	0	102	80	120			
	Toluene	10.21	0.1190	1.000	10.00	0	102	80	120			
	Trichloroethene	11.04	0.1630	1.000	10.00	0	110	80	120			
S	1,2-Dichloroethane-d4	9.550	0	0	10.00	0	96	70	128			
S	4-Bromofluorobenzene	9.219	0	0	10.00	0	92	80	119			
S	Dibromofluoromethane	9.822	0	0	10.00	0	98	85	110			
S	Toluene-d8	9.343	0	0	10.00	0	93	83	110			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086-
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: E and E Buffalo Office
Work Order: 0412255
Project: Mr. Cs Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: LINUS_041221A

QC SUMMARY REPORT SURROGATE RECOVERIES

Low Level VOCs by Method 8260B

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0412255-01A	SAMP	94	89	97	101				
0412255-02A	SAMP	98	91	95	97				
LCS-1851-50-1	LCS	92	93	98	96				
MB-1851-50-2	MBLK	95	91	96	98				

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	80-119
BZMED8	=	Toluene-d8	83-110
DBFM	=	Dibromofluoromethane	85-110
DCA12D4	=	1,2-Dichloroethane-d4	70-128

*** Surrogate recovery outside acceptance limits**

D - Diluted due to matrix or extended target compounds

Steffan, Mike

From: David Chiusano [djchiusa@gw.dec.state.ny.us]
Sent: Monday, January 03, 2005 11:55 AM
To: Steffan, Mike
Subject: Fwd: Re: Mr. C's Dry Cleaners, 9-15-157: Request for WorkAssignment Amendment Conceptual Approval

memo.hw915157.2
)04-12-07.MRCWA..

fyi

David J. Chiusano
Remedial Bureau E, Section A
Div. Environmental Remediation
NYSDEC
625 Broadway, 12th Floor, Albany, NY 12233-7013
Phone - (518) 402-9813
Fax - (518) 402-9819
E-Mail:djchiusa@gw.dec.state.ny.us

>>> Sal Ervolina 12/31/04 09:51AM >>>
I approve the conceptual approval memo for the work assignment amendment at the Mr. C's Dry Cleaners site.

>>> David Chiusano 12/07/04 02:09PM >>>
Sal,

For your review and approval. Thank you for your time and attention. Please feel free to contact me should you have any follow questions.

David J. Chiusano
Remedial Bureau E, Section A
Div. Environmental Remediation
NYSDEC
625 Broadway, 12th Floor, Albany, NY 12233-7013
Phone - (518) 402-9813
Fax - (518) 402-9819
E-Mail:djchiusa@gw.dec.state.ny.us

Attachment C
December 7, 2004 Report of Non-Compliance

Fil

ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
368 Pleasantview Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

December 7, 2004

Mr. Richard Rink
New York State Department of Environmental Conservation, Region 9
Division of Water
270 Michigan Avenue
Buffalo, New York 14203

Re: Mr. C's Dry Cleaners Site, Site No. 9-15-157, Contract D004180
Village of East Aurora (V), Erie County (C), New York
Report of Noncompliance - Water Discharge Event

Dear Mr. Rink:

Attachment A in this letter is a completed "Report of Noncompliance Event" for the discharge of treated groundwater at the Mr. C's Dry Cleaners Site, a New York State Department of Environmental Conservation (NYSDEC) project located in East Aurora, New York. This report of Noncompliance event was prepared by Ecology and Environment Engineering, P. C. (EEEPC) and is being filed as a result of the exceedance of the volatile organic compound (VOC) - tetrachloroethene (PCE) in November 2004 above the permit requirement limit of 10 micrograms per liter (*ug*/L). The monthly analytical results indicate that the November 2004 effluent discharge was 24.8 *ug*/L. The influent and effluent analytical results are provided as Attachment B.

EEEPC has operated and maintained the remedial groundwater treatment system at the site for NYSDEC since October 2003, with subcontracted services provided by O&M Enterprises, Inc., of North Tonawanda, New York. A previous noncompliance event occurred at the site and was reported to your office on April 7, 2004.

Monthly samples for permit compliance were collected on November 9, 2004 with the maximum turn-around analysis time of 30 days. These results were received on December 3, 2004, prior to preparation and finalization of the operations, monitoring, and maintenance report for November 2004 which will be filed with Region 9 and NYSDEC's Central Office, Division of Environmental Remediation (DER) before December 10, 2004.

The remedial groundwater treatment system includes eight groundwater pumps from area collection sites, which pump into a 3,000-gallon equalization tank. The water from the tank is batched to an air stripper and then discharged through a force main to the receiving waters of Tannery Brook in the Village of Aurora, New York. VOCs released from the air stripping process are passed through activated vapor-phase carbon units and then the scrubbed air is then released to the atmosphere.

During the past four months, the performance of the vapor-phase carbon units has been evaluated. Analytical and air-modeling results were submitted to Mr. Dave Chiusano, NYSDEC, DER, Project Manager, and Mr. Greg Sutton of NYSDEC Region 9. The internal review resulted in a decision to eliminate the vapor-phase carbon units from the treatment system and to replace the air-stripping unit as a blower unit instead of a vacuum unit which is expected to increase the liquid- phase cleanup efficiency. This changeover began Monday, December 6, 2004 and is expected to be completed on Tuesday, December 7, 2004. Influent and effluent water samples are expected to be taken on the next day at the completion of the changeover. The results are due in 7 days following sample receipt at EEEPC's Analytical Service Center (ASC) in Lancaster, New York. These analytical results will be reported to NYSDEC as soon as received by our office.

In response to this noncompliance event, corrective actions that will immediately be employed include:

- Disconnecting of the vapor-phase carbon vessels;
- Re-plumbing the air stripping unit as a blower unit and inspection of the air stripping unit for occluded trays and openings; and
- Re-sampling influent and effluent water for VOCs.

Additional actions to be taken after the initial corrective actions take place include:

- Remove and dispose of the carbon and vessels;
- Shutdown the system and perform a complete inspection and cleaning of the air-stripping unit;
- Reactivate the air-stripping unit and perform another round of influent and effluent water sampling; and
- Report the findings and results to the NYSDEC Project Manager and Region 9.

If you need further information or have any questions regarding this notice of violation and corrective action request, please call me at 716-684-8060.

Sincerely,

Michael G. Steffan

Michael G. Steffan
Project Manager

cc: D. Miller, E & E Buffalo
R. Becken, O & M Enterprises
D. Chiusano, Project Manager, NYSDEC, Albany Central Office
G. Sutton, NYSDEC, Region 9
CTF - 000699.NY06.05

Attachment A

Report of Noncompliance Event

Mr. C's Site, Site #9-15-157
Village of East Aurora (V), Erie County (C),
New York

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact Mr. Richard Rink **DEC Region:** 9

Report Type: ___ *5 Day* __X *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

SPDES #: NY- -- **Facility:** Mr. C's Dry Cleaners Site-NYSDEC Site #9-15-157

Date of noncompliance: 11 / 9 / 04 **Location (Outfall, Treatment Unit, or Pump Station):** Tannery-Brook-Outfall001

Description of noncompliance(s) and cause(s): Result of analytical samples of the effluent discharge after treatment system in November 2004 exceeds the volatile organic limit for Tetrocnlorofthen (PCE). Results from Nov. 2004 were 24.8 ug/l. Permit limit is 10 ug/l. Turn-around time on analysis is 30 days

Has event ceased? ~~(Yes)~~ (No) **If so, when?** 11/9/04 **Was event due to plant upset?** (Yes) ~~(No)~~ **SPDES limits violated?** ~~(Yes)~~ (No)

Start date, time of event: 12 / 3 / 04, ___ : ___ ~~(AM)~~ (PM) **End date, time of event:** 12 / 7 / 04, ___ : ___ ~~(AM)~~ (PM)

Date, time oral notification made to DEC? 12/3 / 04, ___ : ___ ~~(AM)~~ (PM) **DEC Official contacted:** D. Chiusano/G. Sutton

Immediate corrective actions: Inspect and clean the treatment system air stripping unit. Repiping of Air Stripping, Tower Blower. Preform additional sampling and analysis for compliance after cleaning.

Preventive (long term) corrective actions: Perform mid-month compliance sampling for compliance on future volatile at the effluent discharge. Reduce mid-month analytical turn-around to 14 days. Demonstrate compliance over the next three months.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: ___ / ___ / ___

Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: Michael Steffan **Title:** Project Manager **Date:** 12 / 7 /04

Phone #: (716) 684 - 8060 **Fax #:** (716) 684 - 0844

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

x by Michael G. Steffan, EEEPC.

Signature of Principal Executive Officer or Authorized Agent

for NYSDEC-DER

Attachment B

November 2004 Influent and Effluent Analytical Results

Mr. C's Site, Site #9-15-157
Village of East Aurora (V), Erie County (C), New York

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

Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS INFLUENT
Lab Order: 0411153
Alt. Client ID:
Project: Mr. Cs Dry Cleaners
Collection Date: 11/9/2004 12:00:00 P % Moist:

Lab ID: 0411153-01A 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
1,1,1-Trichloroethane	ND		50.0	µg/L	50	11/16/2004 7:53:00 AM	LINUS_041115B	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	5.40	J	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	11.1	J	50.0	µg/L	50			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0411153
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS INFLUENT
Alt. Client ID:
Collection Date: 11/9/2004 12:00:00 P % Moist:

Lab ID: 0411153-01A 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
Methylcyclohexane	ND		50.0	µg/L	50			
Methylene chloride	ND		50.0	µg/L	50			
Styrene	ND		50.0	µg/L	50			
Tetrachloroethene	1430		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	33.5	J	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	102		70 - 128	%REC	50	11/16/2004 7:53:00 AM	LINUS_041115B	GP
Surr:4-Bromofluorobenzene	96		80 - 119	%REC	50			
Surr:Dibromofluoromethane	98		85 - 110	%REC	50			
Surr:Toluene-d8	93		83 - 110	%REC	50			

Definitions:

* - 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).
E - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	Client Sample ID:	AS INFLUENT
Lab Order:	0411153	Alt. Client ID:	
Project:	Mr. Cs Dry Cleaners	Collection Date:	11/9/2004 12:00:00 PM
Lab ID:	0411153-01A	Sample Type: SAMP	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
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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0411153
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 11/9/2004 12:05:00 P % Moist:

Lab ID: 0411153-02A **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	11/16/2004 6:50:00 AM	LINUS_041115B	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	ND		5.00	µg/L	1			
2-Hexanone	ND		5.00	µg/L	1			
4-Methyl-2-pentanone	0.525	J	5.00	µg/L	1			
Acetone	5.87		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-Dichloroethene	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	1.75		1.00	µg/L	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
P - Post Spike Recovery outside limits
D - Diluted due to matrix or exceeded 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 E Buffalo Office
Lab Order: 0411153
Project: Mr. Cs Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 11/9/2004 12:05:00 P % Moist:

Lab ID: 0411153-02A 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
Methylcyclohexane	ND		1.00	µg/L	1			
Methylene chloride	ND		1.00	µg/L	1			
Styrene	ND		1.00	µg/L	1			
Tetrachloroethene	24.8		1.00	µg/L	1			
Toluene	0.158	J	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	3.32		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	105		70 - 128	%REC	1	11/16/2004 6:50:00 AM	LINUS_041115B	GP
Surr:4-Bromofluorobenzene	97		80 - 119	%REC	1			
Surr:Dibromofluoromethane	100		85 - 110	%REC	1			
Surr:Toluene-d8	96		83 - 110	%REC	1			

Definitions:

* - 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).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - 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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Lab Order: 0411153
Project: Mr. Cs Dry Cleaners
Lab ID: 0411153-02A Sample Type: SAMP

Client Sample ID: AS EFFLUENT
Alt. Client ID:
Collection Date: 11/9/2004 12:05:00 PM
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
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).
H - Value Exceeds Maximum Contaminant Level
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M - Matrix Spike Recovery outside limits
N - 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

Attachment D
Summary of Site Utility Costs and Projections
October 2003 to December 2004

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs

ATTACHMENT D

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

December 2004 Report

Utility Budget:

Electric:	$24,024.00
Telephone:	$680.00
Gas	$1,100.00
Total:	$25,804.00

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	October '04	November	December	January '05	February	March '05	April	May '05	
New York State E&G	06-311-11-	000699.NY06.05	Mr. C's Electric Costs	$ 1,016.84	$ 1,531.47	$ 1,681.89						
	002616-26											
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs	$ -	$ -	$ -						
			Totals	**$ 1,016.84**	**$ 1,531.47**	**$ 1,681.89**	**$ -**	**$ -**	**$ -**			

	June	July	August	September	October	November	December		Ave. /Month
Mr. C's Electric Costs									$ 1,410.07
Mr. C's Natural Gas Costs									$ -
	$ -	$ -							
Totals	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**		**$ 1,410.07**

Grand Total - NYSE&G/National Fuel Gas Costs To Date **$ 4,230.20**

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	October '04	November	December	January '05	February '05	March '05	April '05	May '05	
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs	$ 39.56	$ 38.76							
Account#												
716 652 0094 416 26 2												

	June '05	July '05	August	September	October	November	December		Ave./Month
									$ 39.16

Grand Total - Verizon Costs to Date **$ 78.32**

****This includes initial connection fees for the phone company of approximately $180.

Grand Total All Utilities To Date **$ 4,308.52**

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs

ATTACHMENT C

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

Budget Remaining:

Electric:	$19,793.80
Telephone:	$601.68
Gas	$1,100.00
Total:	$21,495.48

Monthly Treatment System Operational Time by O&M Services

O&M Months Remaining: 9

Month	Possible OP Hours	Actual OP Hours	Up-Time Percent	Percent Capacity*	General Operation Comments
September-03	96	96	100.00%	58%	Shutdown by Tyree after Separable Part B inspection
October-03	168	168	100.00%	6%	Official Startup by O&M on 10/22/03
November-03	720	720	100.00%	5%	
December-03	744	744	100.00%	28%	
January-04	672	672	100.00%	16%	
February-04	696	696	100.00%	21%	
March-04	816	815	99.88%	51%	
April-04	672	670	99.70%	50%	
May-04	696	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04
June-04	696	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning
July-04	840	840	100.00%	47%	100% operational
August-04	672	672	100.00%	42%	100% operational
September-04	840	820	97.62%	31%	Temporary Stripper Shutdown
October-04	672	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper
November-04	696	641.5	92.17%	37%	
December-04	816	792	97.06%	42%	GAC units removed
Totals to Date	**10512**	**10158.5**	**96.64%**		

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02.
Evaluated on total gallons discharged for monthly operating time
Maximum pump discharges calculated as an average of 78 gpm as the total for all 8 pumps at the site if all pumps operate 100%.

Projected Utility Costs for the O&M year (11/04 to 11/05)

	Ave./Month			
Electric	$ 1,410.07			
Gas	$ 39.16			
Telephone	$ -			
Ave. Utility Cost Total	$ 1,449.23	times	12 months	$18,839.95