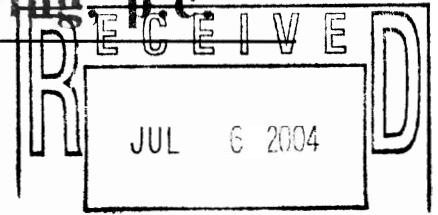




**BUFFALO CORPORATE CENTER**  
368 Pleasant View Drive, Lancaster, New York 14086  
Tel: 716/684-8060, Fax: 716/684-0844



July 1, 2004

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  
June 2004 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (E&E) is pleased to provide this June 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 E&E's subcontractor O&M Enterprises (OME) are provided as Attachment A. The analytical data package from E&E's Analytical Services Center from June 1, 2004 are provided as Attachments B. All analytical results for the report were analyzed at the lowest detection limits.

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

### **Operational Summary**

- One system shutdown occurred on Thursday, 6/17/04 at approximately 9:45 AM, caused by the EQ tank high-level alarm. Another alarm was received at 4:00 PM for the same problem. While Rick Becken of OME was on the way to the site another alarm was received for power failure. Upon arriving to the site the influent pump was operating, but the fuse in the auto dialer was blown. Fuse was replaced. When the system was cycled, pump #1 turned on and off rapidly followed by an overload to the system and overloading the GFI wall outlet. Pump #2 failed to turn on when it was suppose to and when the control relay in the control panel was tapped it operated properly. Carrier Controls called in to check the situation. The shutdown occurred for approximately four hours.
- Carrier Controls were on site 6/18/04 to check electrical problems and concluded the control relay was OK and just loose, not making proper connection. Carrier Controls also checked the GFI and found a problem with 125 volts across the positive and ground, and 50-90 volts across the ground and neutral, but only if any one of the seven small groundwater pumps were on. Dave Carrier of Carrier Controls thought it may be a bonding issue, but was not sure and suggested to call GME electrical. The system remained operating during this period of electrical review.

- GME electrical on site on 6/21/04 to repair electrical problems discovered last week. The problem was bonding.
- The system was operational for 99.43% of the period between 05/24/04 and 06/21/04. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The totalizer for the month of June 2004 indicates that approximately 972,132 gallons of groundwater were processed through the treatment system from 05/24/04 to 06/21/04. Table 2 provides a summary of groundwater volume treated to date. Historical volumes are based on influent totalizer readings provided by the previous contractor's weekly inspection forms.

**Table 1**  
**Mr. C's Dry Cleaners Site, Site # 9-15-157**  
**Monthly Operational Uptime of the Treatment Equipment**

Month (reporting hours)	Operational Up-time (%) <sup>1</sup>
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)	90.0%
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, 2004 – February 24, 2004 (696)	100%
February 24, 2004 – March 29, 2004 (816)	99.97%
March 29, 2004 – April 26, 2004 (672)	99.70%
April 26, 2004 – May 24, 2004 (696)	73.7%
May 24, 2004 - June 21, 2004 (696)	99.43%

<sup>1</sup> Based on total hours for the month in the reporting period.

Treatment system operated by the Tyree Organization Ltd. From 9/02 - 9/03.

Treatment system operated by O&M Enterprises from 10/03 - present.

- Piezometer measurements were collected on 06/01/04 at the time of compliance sampling. These readings are provided in the weekly inspection reports provided in Attachment A. Due to the decommissioning of PZ-7A and PZ-7C, Rick Becken gauged MPI-6S and OW-B, which were in close proximity to PZ-7A and PZ-7C.
- Filters in the bag filter unit were replaced on 06/01/04, 06/7/04, 06/14/04, and 06/21/04 with 100-micron and 50-micron filters in series. Flow rate dramatically increased as a result.
- Rick Becken on 6/7/04 pulled pumps out of PW-5, PW-6, PW-7, and PW-8, cleaned and reinstalled them into the original wells. R. Becken noted that PW-6 had the most iron deposits followed by PW-8.
- Rick Becken on 6/14/04 mopped up approximately two gallons of condensation water collected in a drip tray located underneath the filter units. R. Becken also inspected and cleaned pumps in RW-1, PW-2, PW-3, and PW-4. After cleaning and checking the pumps the filter pressure was higher and R. Becken determined because of the disturbance of the well water, R. Becken changed the filters a second time.
- Checklists for weekly system inspections from OME are provided as Attachment A for 06/01/04, 06/7/04, 06/14/04, and 06/21/04. Weekly system checks indicate that all operating equipment appear to be operating within normal ranges.
- A copy of the site utility costs from E & E operations starting October 2003 to date has been provided as Attachment C.

### **Analytical Summary - Groundwater**

- E&E and OME personnel sampled influent and effluent groundwater on Tuesday, June 1, 2004. The groundwater samples 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 detection limits were used for the analysis.
- The air samples were analyzed for VOCs only. The results are discussed below. The only VOCs detected in the influent groundwater during the June 1, 2004 sampling event were: 1,1,1-Trichloroethane (0.750 µg/L), 1,1-Dichloroethane (0.469 µg/L), 1,1-Dichloroethene (0.246 µg/L), Chloroform (0.646 µg/L), cis-1,2-Dichloroethene (5.33 µg/L), Methyl tert-butyl ether (MTBE) (16.3 µg/L), Tetrachloroethene (1390 µg/L), trans-1,2-Dichloroethene (0.679 µg/L), Trichloroethene (39.8 µg/L), and Vinyl chloride (0.170 µg/L). During the June 1, 2004 sampling event, Tetrachloroethene (1.44 µg/L) was the only VOCs detected in the effluent groundwater samples. The concentration of Tetrachloroethene (1.44 µg/L) in the effluent groundwater did not exceed the Daily Maximum Effluent Discharge Compliance Concentration of 10.0 µg/L listed on Table 3.
- A comparison between the June 1, 2004 analytical values and the Effluent Limitation Requirements are set forth in Table 3.

Mr. David Chiusano, Project Manager

July 1, 2004

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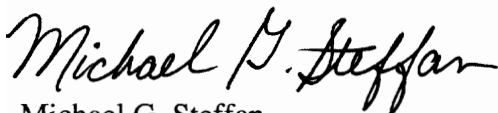
- Approximately 11.8 pounds of VOCs were removed from the influent groundwater based on comparison with the effluent discharge. The calculated removal volumes are located in Table 4. These values are calculated based on influent totalizer readings and assumes that non-detect values given in the analytical data package = 0 µg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire month of June 2004.
- The treated groundwater effluent results for metals were all in compliance with the Effluent Limitation Requirements. TSS was in compliance while TDS remained above the compliance concentration of 850 mg/L with an actual concentration of 1200 mg/L during the month of June 2004. E&E continues to believe that the elevated levels of TDS stem from the high metals concentrations in the groundwater, which are not currently being removed by the treatment system.

#### **Analytical Summary - Air**

- E&E and OME personnel sampled the air stripper exhaust before and after the granular activated carbon (GAC) vessels on June 1, 2004. Air samples were collected using pre-evacuated SUMMA canisters calibrated to continuously collect a one-hour sample.
- The only VOC detected in the influent air samples were Bromomethane (4.77 ppbv), Tetrachloroethene (726 ppbv), and Trichloroethylene (20.9 ppbv), whereas VOCs detected in the effluent air samples were Bromomethane (0.486 ppbv) and Tetrachloroethene (12.6 ppbv). The results stated above and in Table 5 indicate approximately 96% VOC adsorption in the GAC vessels. Assuming that the blowers are only operational 50% of the total reporting period time, this efficiency calculates to approximately 2.03 lbs of VOCs removed during the June 2004 reporting period. All other VOCs were below the detection limit.

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

Very Truly Yours,



Michael G. Steffan  
Project Manager

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

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

<b>Month</b>	<b>Actual Period</b>	<b>Gallons</b>
September 2002 <sup>1</sup>	9/5/02 - 10/2/02	4,362,477
October 2002 <sup>1</sup>	10/2/02 - 11/4/02	4,290,429
November 2002 <sup>1</sup>	11/4/02 - 12/2/02	3,326,126
December 2002 <sup>1</sup>	12/2/02 - 1/7/03	3,349,029
January 2003 <sup>1</sup>	1/7/03 - 2/3/03	1,973,144
February 2003 <sup>1</sup>	2/3/03 - 3/10/03	2,158,771
March 2003 <sup>1</sup>	3/10/03 - 4/7/03	3,263,897
April 2003 <sup>1</sup>	4/7/03 - 5/2/03	2,574,928
May 2003 <sup>1</sup>	5/2/03 - 6/2/03	1,652,538
June 2003 <sup>1</sup>	6/2/03 - 6/30/03	2,002,990
July 2003 <sup>1</sup>	6/30/03 - 7/29/03	2,543,978
August 2003 <sup>1</sup>	7/29/03 - 8/25/03	2,042,424
September 2003 <sup>1</sup>	8/25/03 - 10/22/03	370,446
October 2003 <sup>2</sup>	10/22/03 - 10/29/03	67,424
November 2003 <sup>2,3</sup>	10/29/03 - 11/25/03	224,278
December 2003 <sup>2,3</sup>	11/25/03 - 12/29/03	1,496,271
January 2004 <sup>2,3</sup>	12/29/03 - 01/26/04	688,034
February 2004 <sup>2,3</sup>	01/26/04 - 02/24/04	736,288
March 2004 <sup>2,3</sup>	02/24/04 - 03/29/04	2,164,569
April 2004 <sup>2,3</sup>	03/29/04 - 04/26/04	1,741,730
May 2004 <sup>2,3</sup>	4/26/2004 - 5/24/2004	1,408,095
June 2004 <sup>2,3</sup>	5/24/2004 - 6/21/2004	972,132
<b>TOTAL GALLONS</b>		<b>43,409,998</b>

**NOTES**

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 10/03 - present
3. See report text for discussion of pumping wells in operation during June 2004.

**Table 3**  
**Mr. C's Dry Cleaners Site Remediation**  
**Site #9-15-157**  
**Effluent Discharge Criteria & Analytical Compliance Results**

Parameter	Daily Maximum <sup>1</sup>	Units	June 1, 2004 Analytical Values <sup>2</sup>
Flow	216,000	gpd	33,522
pH	6.0 - 9.0	standard units	-
1,1 Dichloroethene	10	ug/L	ND
1,2 Dichloroethene	10	ug/L	ND
Trichloroethene	10	ug/L	ND
Tetrachloroethene	10	ug/L	1.44
Vinyl Chloride	10	ug/L	ND
Benzene	5	ug/L	ND
Ethyl Benzene	5	ug/L	ND
Methylene Chloride	10	ug/L	ND
1,1,1 Trichloroethane	10	ug/L	ND
Toluene	5	ug/L	ND
o-Xylene	5	ug/L	**
m, p-Xylene	10	ug/L	**
Iron, total	600	ug/L	241
Aluminum	4,000	ug/L	ND
Copper	48	ug/L	ND
Lead	11	ug/L	7.71
Manganese	2,000	ug/L	186
Silver	100	ug/L	ND
Vanadium	28	ug/L	ND
Zinc	230	ug/L	ND
Total Dissolved Solids	850	mg/L	1200
Total Suspended Solids	20	mg/L	ND
Cyanide, Free	10	ug/L	0.0388

**NOTES:**

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
  2. Values based on monthly samples collected 06/01/04 of the effluent discharge.
  3. Analytical report did not differentiate between o-Xylene and m&p-Xylene. Total Xylene value is given in each line.
  4. pH reading taken on 05/03/04.
  5. Analytical report listed trans-1,2-Dichloroethene as well as cis-1,2-Dichloroethene. Both analytes were listed as non-detect, <1.00 ug/L.
  7. ND- Not detected at the reporting limit.
- \* Average Daily Flow based on the days of operation for June 2004 divided into the starting and ending totalizer reading.
- \*\* Total Xylenes were non-detect for June 2004

Above Daily Maximum Requirement -  
Attachment E, Contract Addendum #1

**Table 4**  
**Mr. C's Dry Cleaners Site Remediation**  
**Site #9-15-157**  
**Monthly VOCs Removed From Groundwater**

Month	Actual Period	Influent VOCs (ug/L)	Effluent VOCs (ug/L)	VOCs Removed (lbs.)
September 2002 <sup>6</sup>	9/5/02 - 10/2/02	1297	1	47.2
October 2002 <sup>6</sup>	10/2/02 - 11/4/02	2000	1	71.6
November 2002 <sup>6</sup>	11/4/02 - 12/2/02	1685	0	46.8
December 2002 <sup>6</sup>	12/2/02 - 1/7/03	1586	9	44.1
January 2003 <sup>6</sup>	1/7/03 - 2/3/03	1803	10	29.5
February 2003 <sup>6</sup>	2/3/03 - 3/10/03	1985	3	35.7
March 2003 <sup>6</sup>	3/10/03 - 4/7/03	1990	5	54.1
April 2003 <sup>6</sup>	4/7/03 - 5/2/03	1656	3	35.5
May 2003 <sup>6</sup>	5/2/03 - 6/2/03	1623	7	22.3
June 2003 <sup>6</sup>	6/2/03 - 6/30/03	5787	6	96.6
July 2003 <sup>6</sup>	6/30/03 - 7/29/03	1356	1	28.8
August 2003 <sup>6</sup>	7/29/03 - 8/25/03	1263	3	21.5
September 2003 <sup>6</sup>	8/25/03 - 10/22/03	1263	3	3.9
October 2003 <sup>7</sup>	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 <sup>7</sup>	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 <sup>7</sup>	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 <sup>7</sup>	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 <sup>7</sup>	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 <sup>7</sup>	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 <sup>7,8</sup>	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 <sup>7,8</sup>	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 <sup>7,8</sup>	5/24/2004 - 6/21/2004	1454	1.7	11.8
Total pounds of VOCs removed from inception =				701.0

**NOTES:**

- Calculations are based on monthly water samples and assumes samples are representative of the entire period.
- Calculations assume that non-detect values = 0 ug/L.
- Calculations are based on influent totalizer readings.
- "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- No samples were collected in September 2003. August 2003 values are used.
- Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- Treatment system operated by O&M Enterprises from 10/03 to present.
- Based on the June 1, 2004 analytical results.

**CONVERSIONS:**

1 pound = 453.5924 grams

1 gallon = 3.785 liters

concentration (ug/L)\*(1g/106ug)\*(1 lb/453.5924 g)\*monthly volume (gallons)\*(3.785 L/gallon)~lbs

Pounds of VOCs removed calculated by the following formula:

$$2641 \text{ ug/L} * (1\text{g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,408,095 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 30.9\text{lbs}$$

where, 2641 ug/L is the summation of VOC's detected on the influent groundwater and 1,408,095 gallons is the monthly process water volume.

**Table 5**  
**Mr. C's Dry Cleaners Site Remediation**  
**NYSDEC Site #9-15-157**  
**Comparison of VOC Destruction by GAC**

Compound	Molecular Weight (g/mol)	Intake Concentration (Pre-GAC) (ppbv)	Exhaust Concentration (Post-GAC) (ppbv)	Treatment Efficiency (%)	Total Destroyed (ppbv)	Total Destroyed (ppmv)	Total Destroyed (ug/m <sup>3</sup> )	Total Destroyed (ug)	Total Destroyed (mg)	Total Destroyed (lbs)
1,1-Dichloroethane	98.97	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloroethane	98.96	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloropropane	112.99	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,3-Dichlorobenzene	147.00	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,4-Dichlorobenzene	147.01	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Benzene	78.11	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Benzyl chloride	126.59	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Bromomethane	94.95	4.77	0.486	90%	4.3	0.004284	16.91	3078635.5	3078.64	0.01
Carbon tetrachloride	153.82	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chlorobenzene	112.56	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
cis-1,2-Dichloroethylene	96.94	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
cis-1,3-Dichloropropene	110.97	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Dichlorodifluoromethane	120.91	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Hexachlorobutadiene	260.7	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Tetrachloroethene	165.83	726	12.8	98%	713.4	0.7134	4916.89	895385488	895385.49	1.97
Toluene	92.13	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Trichloroethylene	131.4	20.9	<5.00	100%	20.9	0.0209	114.14	20785262	20785.26	0.05
Vinyl Chloride	62.5	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Methylene Chloride	84.93	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloromethane	50.49	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloroethane	65.51	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dibromoethane	187.88	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichlorobenzene	147.01	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Styrene	104.15	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2,2-Tetrachloroethane	167.85	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Trichlorofluoromethane	137.38	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1-Dichloroethylene	96.94	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloroform	119.38	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,1-Trichloroethane	133.41	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloroethane	133.41	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
m,p-Xylene	106.16	<200.0	<10.0	NA	0.0	0	0.00	0	0.00	0.00
o-Xylene	106.16	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Xylene (total)	318.50	<300	<15.0	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trimethylbenzene	120.19	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trichlorobenzene	181.46	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Ethylbenzene	106.17	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,3,5-Trimethylbenzene	120.19	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
trans-1,2-Dichloroethene	96.94	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
trans-1,3-Dichloropropene	110.97	<100	<5.00	NA	0.0	0	0.00	0	0.00	0.00
<b>TOTAL =</b>										<b>2.03</b>

Flowrate = 318.9593638 scfm = 9.032929184 m<sup>3</sup>/min = 541.975751 m<sup>3</sup>/hour  
 Monthly hours of operation = 336 hours (arbitrary value used for comparison purposes)<sup>(8)</sup>  
 Pressure = 1 atm = 101300 Pa = 1013 millibars  
 Assumed stack temp = 68 F = 20 C = 293 K  
 Gas Constant, R = 0.08314 mb\*m<sup>3</sup>/K\*mol

**Notes**

- "J" values are included in above calculations
- "J" values are an estimated value indicating that the compound was detected by the laboratory below the practical quantitation limit, but above the method detection limit.
- Less than values (<) list the practical quantitation limit and indicate that the compound was not detected.
- Above calculations assume that non-detect values (<) = 0 ug/m<sup>3</sup>
- All other compounds were non-detect
- 500 SCFM is the assumed average influent flowrate, based on weekly manometer readings
- NA = Not Applicable
- Revised calculation based on the following equation:
- Assuming that blowers are only operating 50% of the total monthly reporting period time.

**Conversions**

1 cubic foot = 0.02832 cubic meters  
 1 g = 1,000,000 ug  
 1 lb = 453.5924 grams  
 degrees C = (degrees F - 32)/1.8  
 degrees K = degrees C + 273.16  
 1 atm = 101,300 Pascals

$$\text{concentration in } \frac{\mu\text{g}}{\text{m}^3} = \frac{pM}{RT} * \text{concentration in ppm}$$

Where,  
 T is temperature in degrees Kelvin  
 p is pressure in millibars  
 R is the gas constant  
 M is the molecular weight



**Attachment A**  
**Weekly Inspection Reports**  
**June 2004**

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

Date/Time 6/1/04 9:05

Inspection personnel Richard Becken

Other personnel on site \_\_\_\_\_

Weather Conditions sunny 65 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	<u>10</u>	ft
PW-2	(ON)	OFF	<u>6</u>	ft
PW-3	(ON)	OFF	<u>4</u>	ft
PW-4	(ON)	OFF	<u>4</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>6</u>	ft
PW-7	(ON)	OFF	<u>10</u>	ft
PW-8	(ON)	OFF	<u>9</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 87.62 gpm

Influent Totalizer Reading 5461309 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 2 \ 0 psi after filter change

Bag filter bottom pressure 0 \ 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      \_\_\_\_\_ 4 psi

Air stripper blower in use      (#1)      #2

Air stripper differential pressure \_\_\_\_\_ 0.15 inches H<sub>2</sub>O

Air stripper vacuum      \_\_\_\_\_ 18 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure \_\_\_\_\_ 5 psi

Effluent flow rate      \_\_\_\_\_ 123 gpm

Effluent Totalizer reading      \_\_\_\_\_ 655476 gallons

Are building heaters in use?    YES    (NO)

Ambient air temperature      \_\_\_\_\_ 68 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		12:10	7.55	1.35	55.1
Air stripper effluent		12:15	7.65	0	56.6
GAC influent	_____	10:35-11:35	NA	NA	
GAC effluent	_____	10:35-11:35	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: \_\_\_\_\_  
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Describe any other system maintenance performed

Changed filters, flow increased from 20 gpm to 110 gpm after change.  
Waited approx. two hours after filter change and start up to take water samples.  
While gauging water levels I found that PZ-7A and PZ-7C had been decommissioned  
and grouted shut by E&E the week prior so I gauged MPI-6S and OW-B.  
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Signature \_\_\_\_\_ -

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

Date 6/1/04

Measurements taken by RC Becken

RW-1	<u>16.22</u> ft	Comments _____
PZ-1A	<u>9.36</u> ft	Comments _____
PZ-1B	<u>9.94</u> ft	Comments _____
PZ-1C	<u>11.15</u> ft	Comments _____
PZ-1D	<u>11.22</u> ft	Comments _____
PW-2	<u>24.3</u> ft	Comments _____
PZ-2A	<u>9.94</u> ft	Comments _____
PZ-2B	<u>10.28</u> ft	Comments _____
PZ-2C	<u>9.75</u> ft	Comments _____
PZ-2D	<u>9.63</u> ft	Comments _____
PW-3	<u>20.2</u> ft	Comments _____
PZ-3A	<u>10.38</u> ft	Comments _____
PZ-3B	<u>10.45</u> ft	Comments _____
PZ-3C	<u>10.9</u> ft	Comments _____
PZ-3D	<u>10.44</u> ft	Comments _____
PW-4	<u>21.1</u> ft	Comments _____
PZ-4A	<u>10.84</u> ft	Comments _____
PZ-4B	<u>10.3</u> ft	Comments _____
PZ-4C	<u>10.52</u> ft	Comments _____
PZ-4D	<u>9.78</u> 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 6/1/04

Measurements taken by RC Becken

PW-5	<u>20.6</u> ft	Comments _____
PZ-5A	<u>9.91</u> ft	Comments _____
PZ-5B	<u>9.92</u> ft	Comments _____
PZ-5C	<u>9.52</u> ft	Comments _____
PZ-5D	<u>10.34</u> ft	Comments _____
<hr/>		
PW-6	<u>21.25</u> ft	Comments _____
PZ-6A	<u>10.81</u> ft	Comments _____
PZ-6B	<u>10.64</u> ft	Comments _____
PZ-6C	<u>10.91</u> ft	Comments _____
PZ-6D	<u>10.76</u> ft	Comments _____
<hr/>		
PW-7	<u>15.85</u> ft	Comments _____
OW-B	<u>10.56</u> ft	Comments _____
PZ-7B	<u>10.99</u> ft	Comments _____
MPI-6S	<u>10.18</u> ft	Comments _____
PZ-7D	<u>10.45</u> ft	Comments _____
<hr/>		
PW-8	<u>20.05</u> ft	Comments _____
PZ-8A	<u>7.52</u> ft	Comments _____
PZ-8B	<u>7.38</u> ft	Comments _____
PZ-8C	<u>6.99</u> ft	Comments _____
PZ-8D	<u>7.28</u> 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 6/7/04 9:15

Inspection personnel RC Becken

Other personnel on site \_\_\_\_\_

Weather Conditions sunny 71 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	<u>14</u>	ft
PW-2	(ON)	OFF	<u>5</u>	ft
PW-3	(ON)	OFF	<u>6</u>	ft
PW-4	(ON)	OFF	<u>9</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>6</u>	ft
PW-7	(ON)	OFF	<u>11</u>	ft
PW-8	(ON)	OFF	<u>10</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 28.72 gpm

Influent Totalizer Reading 5850409 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 25 / 14 psi

Bag filter bottom pressure 8 \ 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      \_\_\_\_\_ 4 psi

Air stripper blower in use      (#1)      #2

Air stripper differential pressure \_\_\_\_\_ 0.14 inches H<sub>2</sub>O

Air stripper vacuum      \_\_\_\_\_ 19.5 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure \_\_\_\_\_ 5 psi

Effluent flow rate      \_\_\_\_\_ 124 gpm

Effluent Totalizer reading      \_\_\_\_\_ 895729 gallons

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ 72 degrees F

Are any leaks present?      YES      (NO)

Is sump pump in use?      YES      (NO)

Water level in sump \_\_\_\_\_ 0

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.)*



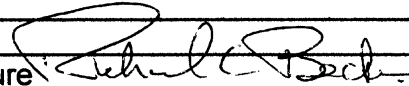
**Mr. C's Dry Cleaners Site  
NYSDEC Site #9-15-157  
System Inspection Form**

Other observations: \_\_\_\_\_  
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Describe any other system maintenance performed  
Changed filters, flow increased to 104 gpm after change.

Pulled pumps out of PW-5, PW-6, PW-7, and PW-8 cleaned and reinstalled back into original wells, PW-6 had the most iron deposits followed by PW-8 .

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Signature 

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

Date/Time 6/14/04 9:15

Inspection personnel RC Becken

Other personnel on site \_\_\_\_\_

Weather Conditions sunny 71 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	<u>15</u>	ft
PW-2	(ON)	OFF	<u>5</u>	ft
PW-3	(ON)	OFF	<u>3</u>	ft
PW-4	(ON)	OFF	<u>6</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>6</u>	ft
PW-7	(ON)	OFF	<u>12</u>	ft
PW-8	(ON)	OFF	<u>12</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 20.46 gpm

Influent Totalizer Reading 6146811 gallons

Sequestering agent drum level ~2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 24 \ 0 psi

Bag filter bottom pressure 2 \ 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      \_\_\_\_\_ 4 psi

Air stripper blower in use      (#1)      #2

Air stripper differential pressure \_\_\_\_\_ 0.15 inches H<sub>2</sub>O

Air stripper vacuum \_\_\_\_\_ 18 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure \_\_\_\_\_ 4 psi

Effluent flow rate      \_\_\_\_\_ 130 gpm

Effluent Totalizer reading      \_\_\_\_\_ 78615 gallons

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ 72 degrees F

Are any leaks present?      YES      (NO)

Is sump pump in use?      YES      (NO)

Water level in sump \_\_\_\_\_ 0

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

Date/Time 6/21/04 8:50

Inspection personnel RC Becken

Other personnel on site GME Electric, Duane and Mark P.

Weather Conditions sunny 65 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	<u>15</u>	ft
PW-2	(ON)	OFF	<u>4</u>	ft
PW-3	(ON)	OFF	<u>6</u>	ft
PW-4	(ON)	OFF	<u>4</u>	ft
PW-5	(ON)	OFF	<u>5</u>	ft
PW-6	(ON)	OFF	<u>4</u>	ft
PW-7	(ON)	OFF	<u>11</u>	ft
PW-8	(ON)	OFF	<u>12</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 31.67 gpm

Influent Totalizer Reading 6644008.00 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~ 85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22\10 psi

Bag filter bottom pressure 0\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<sub>2</sub>O

Air stripper vacuum \_\_\_\_\_ 23 inches H<sub>2</sub>O

Effluent feed pump in use      #1      (#2)

Effluent feed pump pressure \_\_\_\_\_ 3 psi

Effluent flow rate      \_\_\_\_\_ 116 gpm

Effluent Totalizer reading      \_\_\_\_\_ 389478 gallons

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ 70 degrees F

Are any leaks present?      YES      (NO)

Is sump pump in use?      YES      (NO)

Water level in sump \_\_\_\_\_ 0"

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: \_\_\_\_\_

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\_\_\_\_\_

Describe any other system maintenance performed  
Changed filters, after which the influent flow increased to 105 gpm. GME electric  
on site to repair electrical problems discovered last week. The problem was bonding.  
6/17/04 Received alarm call at appr. 0945, drove to the site and found the EQ tank  
high level alarm. Influent pump #1 was operating and pump turned off shortly after  
I arrived on site. Opened the discharge valve on pump#1 slightly to increase flow and  
then watched the system go thru one cycle with out any problems before leaving the  
site. Received second alarm call at appr 1600 same alarm high level EQ tank.  
While driving to the site I received a second alarm, power failure. Upon arriving at the  
site the influent pump was operating and the fuse in the auto dailer was blown.  
Changed fuses and checked influent pump, everything OK. In order to watch the  
system go thru several cycles I lowered the influent pump " on " setpoint from 5 feet  
to 4 feet and watched it. When the water level in the EQ tank reached 4 feet the pump  
turned on and off rapidly and then overloaded. I then raised the set point to the original  
5 feet and switched to pump #2 and waited. When the water level reached 5 feet the  
pump failed to turn on, I then opened the control panel to check the control relays,  
when I tapped the proper relay with my finger it started the influent pump and it  
operated properly. I watch the system go thru two complete cycles and then left.  
I forgot to mention that when influent pump #1 overloaded the GFI wall outlet that the  
autodailer is plugged into tripped out also, this I have no explanation for and will  
call in Carrier Controls to have them check out this and the control relay ASAP.  
6/18/04 Carrier Controls on site to check electrical problems, Dave Carrier quite  
confident that the control relay is OK and was just loose and not making a good  
connection. As for the GFI wall outlet he found 125 volts across the positive and  
the ground, and 50 - 90 volts across the ground and the neutral but only if any one  
of the seven small groundwater pumps were on??? He thought it might be a  
bonding issue but was not sure and suggested I call in GME electrical who was there  
this morning as stated above.

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

Signature: \_\_\_\_\_



**Attachment B**  
**E&E ASC Analytical Data Package #0405005**  
**June 2004**

- **June 1, 2004 – Monthly Compliance Results  
for Air & Groundwater**



# 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



June 25, 2004

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

RE: Mr. C's Dry Cleaners  
CostPoint ID: **000699.NY06.05..**

Work Order No.: **0406007**

Dear Mr. Mike Steffan,

Analytical Services Center received 4 samples on Tuesday, June 01, 2004 for the analyses presented in the following report.

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

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

Sincerely,

Barbara Krajewski

Project Manager

CC:

Enclosures as note

This report ends on page 81



## Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

## Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**Client:** E AND E BUFFALO  
**Project:** Mr. C's Dry Cleaners  
**Lab Order:** 0406007

### CASE NARRATIVE

#### GCMS VOLATILES

A DB624 column from J&W that is 30-m long, 0.2 mm wide, and has a 3-um film thickness was used for the volatile analyses. A 30-cm TEKMAR #5 Trap was used for the volatile analyses consisting of approximately 1 cm of OV-1 packing, approximately 8 cm of Tenax, approximately 8 cm of silica gel, and approximately 8 cm of activated charcoal.

#### Sample analysis

Aqueous volatile samples were determined to be at a pH of 7.

Samples were analyzed within hold time.

Due to the levels of tetrachloroethene present, sample AS INFLUENT and GAC INFLUENT required reanalysis. Results reported are from the analysis within the instrument's calibrated range.

#### Calibration and Tunes

Initial and continuing calibrations were acceptable.

#### QC

Surrogate recoveries are within acceptable limits.

Method blank analyses are acceptable. Bromomethane and trichlorofluoromethane were detected in the air method blank at concentrations between the MDL and the reporting limit.

Air sample duplicate RPD values are acceptable.

Laboratory control sample (LCS) recoveries are acceptable.

Internal standard area responses are 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 are acceptable. Cobalt, magnesium, and zinc were detected in the preparation blank at levels between the MDL and the reporting limit.

Batch matrix spike/spike duplicate (MS/MSD) recoveries are within the control limits except for high calcium recovery for the spike duplicate. The RPD values are within the control limits except for calcium and sodium.

The laboratory control sample (LCS) recoveries are within the control limits.

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**Client:** E AND E BUFFALO  
**Project:** Mr. C's Dry Cleaners  
**Lab Order:** 0406007

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## CASE NARRATIVE

### MERCURY

#### Sample Analysis

The samples were digested and analyzed within hold time.

#### Calibrations

The initial and continuing calibrations were acceptable.

#### QC

The calibration and preparation blank analyses are acceptable.

The matrix spike/spike duplicate (MS/MSD) recoveries and RPD value are within the control limits.

The laboratory control sample (LCS) recovery is within the control limits.

### GENERAL ANALYTICAL CHEMISTRY

#### Sample Analysis

Samples were analyzed within technical hold time. The samples were analyzed for cyanide two days after the NYSDEC ASP hold time expired.

#### Calibrations

Initial and continuing calibration standards were acceptable.

#### QC

Calibration and method blank analyses are acceptable.

Matrix duplicate, matrix spike, and matrix spike duplicate results are acceptable.

The cyanide low level laboratory control sample (LCSL) and high level LCS (LCSH) are both low at 79 and 78%. The acceptable range for both is 90-110%. The samples were not re-digested and re-analyzed due to hold time constraints.

# CHAIN OF CUSTODY RECORD



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: \_\_\_\_\_

PROJECT NO: 000699140605		LOCATION: (Include State)	
CLIENT: NYSDEC		CONTAINER TYPE AND PRESERVATIVE	
SITE NAME: MR C'S DRY CLEANERS		40 mL VOA 1602 Poly 1-L Poly 1-L Poly 1-L Poly	
PROJECT MANAGER: M. STEFFAN		REQUESTED ANALYSIS	
FIELD TEAM LEADER: J. Mays		Summa Canisters Metals VOC's VOC's To 14R TSS, TDS, Hardness	
PHONE No.: 49		OTHER: _____	
OFFICE No.: 49		TURNAROUND TIME: 24-HOUR <input type="checkbox"/> R 48-HOUR <input type="checkbox"/> U 1-WEEK <input type="checkbox"/> S STANDARD <input checked="" type="checkbox"/> H	
SAMPLERS: (PRINT) Rick Becken & J. Mays		OVA/HNU READINGS (PPM)	
MATRIX CODE		BEGINNING DEPTH (FEET BGS)	
CHECK FOR MS/MSD		ENDING DEPTH (FEET BGS)	
NO. OF CONTAINERS		REMARKS	
SAMPLE CODES		start - 1035 Stop - 1135 start - 1035 Stop - 1135	
DATE	TIME	SAMPLE ID	
6/1/04	1210	AS INFILUENT	
1215		AS EFFLUENT	
1035		GAC INFILUENT	
1035		GAC EFFLUENT	
_____			
Relinquished By: (Signature)		LAB PROJECT NO.:	
Relinquished By: (Signature)		LAB PROJECT MANAGER:	
Relinquished By: (Signature)		TEMPERATURE BLANK INFO.	
Date/Time: 6/1/04	Date/Time: 6/1/04	Enclosed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date:
Date/Time: 6/1/04	Date/Time: 6/1/04	Ship Via:	Time:
Date/Time: 6/1/04	Date/Time: 6/1/04	BLA/Airbill Number:	Temperature: _____ C°
		Work Order No: _____	



# Cooler Receipt Form

No. of Packages:	4 (2 coolers) 2 sums	Date Received:	6/1/04
Package Receipt No.:	13623	Project or Site Name:	
Client:	MCC'S		

A. Preliminary Examination and Receipt Phase		Circle One		
1. Did coolers come with airbill or packing slip?	Circle carrier here and print airbill number below: Fed Ex Airborne Client Other <u>EFE</u>	Yes	<input checked="" type="radio"/> No	NA
	Shipped as high hazard or dangerous goods?	Yes	<input checked="" type="radio"/> No	NA
2. Did cooler(s) have custody seals?		<input checked="" type="radio"/> Yes	No	NA
3. Were custody seals unbroken and intact on receipt?		<input checked="" type="radio"/> Yes	No	NA
4. Were custody seals dated and signed?		<input checked="" type="radio"/> Yes	No	NA
5. How was package secured?	<input checked="" type="radio"/> Not secured <input type="radio"/> Fiberglass Tape			

B. Unpacking Phase					
6. Date cooler(s) opened:	6/1/04 Cooler(s) opened by: <u>U. Only</u> (Signature)				
7. Was a temperature blank vial included inside cooler(s)?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> 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
1054	3.0	354	N/A		
2054	2.5	4054	N/A		
Thermometer No.:	129	Correction Factor:	0	*If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.	
8. Were the C-O-C forms received?	C-O-C forms numbers if present:	<input checked="" type="radio"/> Yes	No	NA	
9. Was enough packing material used in cooler(s)?	Type of material: <input type="checkbox"/> Vermiculite <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Other	Yes	No	<input checked="" type="radio"/> NA	
10. If cooling was required, what was the means (type ice) of cooling used?	<input checked="" type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/> Blue <input type="checkbox"/> Other				NA
11. Were all containers sealed in separate plastic bags?		<input checked="" type="radio"/> Yes	No	NA	
12. Did all containers arrive unbroken and in good condition?		<input checked="" type="radio"/> 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:	<u>U. Only</u> Date: 6/1/04
14. Were all container labels complete (e.g. date, time preserved)?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
15. Were all C-O-C forms filled out properly in black ink and signed?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
16. Did the C-O-C form agree with containers received?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
17. Were the correct containers used for the tests requested?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
18. Were the correct preservatives listed on the sample labels?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
19. Was a sufficient sample volume sent for the tests requested?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
20. Were all volatile samples received without headspace?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA



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

## Laboratory Results

NYS ELAP ID#: 10486

---

**CLIENT:** E and E Buffalo Office  
**Project:** Mr. C's Dry Cleaners  
**Lab Order:** 0406007  
**Date Received:** 6/1/2004

---

### Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0406007-01A	AS INFLUENT		6/1/2004 12:10:00 PM
0406007-01B	AS INFLUENT		6/1/2004 12:10:00 PM
0406007-01C	AS INFLUENT		6/1/2004 12:10:00 PM
0406007-01D	AS INFLUENT		6/1/2004 12:10:00 PM
0406007-02A	AS EFFLUENT		6/1/2004 12:15:00 PM
0406007-02B	AS EFFLUENT		6/1/2004 12:15:00 PM
0406007-02C	AS EFFLUENT		6/1/2004 12:15:00 PM
0406007-02D	AS EFFLUENT		6/1/2004 12:15:00 PM
0406007-03A	GAC INFLUENT		6/1/2004 10:35:00 AM
0406007-04A	GAC EFFLUENT		6/1/2004 10:35:00 AM



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

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

Lab Order: 0406007

Client: E and E Buffalo Office

Project: Mr. C's 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
0406007-02A	AS EFFLUENT	Water Low Level VOCs by Method 8260B	6/1/2004 12:15:00 PM	6/1/2004 5:00:00 PM	7:R 6/8/2004 5:00:00 PM	6/3/2004 11:55:00 PM	SAMP	1	48	<input type="checkbox"/>
0406007-02B		ICP Digestion of Waters by Method 3010A			180:R11/28/2004 5:00:00 PM	6/3/2004 9:19:24 AM	NA	NA	NA	<input type="checkbox"/>
		ICP Metals Analysis by Method 6010B			180:R11/28/2004 5:00:00 PM	6/7/2004 8:34:56 PM	SAMP	1	14	<input type="checkbox"/>
		Mercury Analysis in Water by Method 7470A			26:R 6/27/2004 5:00:00 PM	6/11/2004 12:09:16 PM	SAMP	1	1	<input type="checkbox"/>
		Mercury Prep for Waters by Method 7470A			26:R 6/27/2004 5:00:00 PM	6/10/2004 9:09:30 AM	NA	NA	NA	<input type="checkbox"/>
0406007-02C		Cyanide Prep, Total for Water by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/11/2004 9:08:58 AM	NA	NA	NA	<input type="checkbox"/>
		Cyanide, Total by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/14/2004 1:43:51 PM	SAMP	1	1	<input checked="" type="checkbox"/>
0406007-02D		Hardness, Total by Method EPA 130.2			180:R11/28/2004 5:00:00 PM	6/21/2004	SAMP	1	1	<input type="checkbox"/>
		Total Dissolved Solids (TDS) by method EPA 160.1			5:R 6/6/2004 5:00:00 PM	6/3/2004	SAMP	1	1	<input type="checkbox"/>
		Total Suspended Solids, Non-filterable Residue			5:R 6/6/2004 5:00:00 PM	6/3/2004	SAMP	1	1	<input type="checkbox"/>

(LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0406007-01A	AS INFLUENT	Water Low Level VOCs by Method 8260B	6/1/2004 12:10:00 PM	6/1/2004 5:00:00 PM	7:R 6/8/2004 5:00:00 PM	6/4/2004 12:40:00 PM	SAMP	40	1	<input type="checkbox"/>
		Low Level VOCs by Method 8260B			7:R 6/8/2004 5:00:00 PM	6/4/2004 12:26:00 AM	SAMP	1	47	<input type="checkbox"/>
0406007-01B		ICP Digestion of Waters by Method 3010A			180:R11/28/2004 5:00:00 PM	6/9/2004 9:19:24 AM	NA	NA	NA	<input type="checkbox"/>
		ICP Metals Analysis by Method 6010B			180:R11/28/2004 5:00:00 PM	6/7/2004 8:23:07 PM	SAMP	1	14	<input type="checkbox"/>
		Mercury Analysis in Water by Method 7470A			26:R 6/27/2004 5:00:00 PM	6/11/2004 12:05:03 PM	SAMP	1	1	<input type="checkbox"/>
		Mercury Prep for Waters by Method 7470A			26:R 6/27/2004 5:00:00 PM	6/10/2004 9:09:30 AM	NA	NA	NA	<input type="checkbox"/>
0406007-01C		Cyanide Prep, Total for Water by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/11/2004 9:08:58 AM	NA	NA	NA	<input type="checkbox"/>
		Cyanide, Total by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/14/2004 1:41:00 PM	SAMP	1	1	<input checked="" type="checkbox"/>
0406007-01D		Hardness, Total by Method EPA 130.2			180:R11/28/2004 5:00:00 PM	6/21/2004	SAMP	1	1	<input type="checkbox"/>

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 leachate unless an "RE" Sample exists for the extraction (tumble) test.





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 4493 Walden Avenue  
 Lancaster, New York 14086

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

Lab Order: 0406007

Client: E and E Buffalo Office

Project: Mr. C's 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
0406007-01D	AS INFLUENT	Water	Total Dissolved Solids (TDS) by method EPA 160.1	6/1/2004 12:10:00 PM	6/1/2004 5:00:00 PM	5:R 6/6/2004 5:00:00 PM	6/8/2004 972903	SAMP	1	1	<input type="checkbox"/>
			Total Suspended Solids, Non-filterable Residue			5:R 6/6/2004 5:00:00 PM	6/9/2004 972908	SAMP	1	1	<input type="checkbox"/>
0406007-04A	GAC EFFLUENT	Air	Volatile Organics in Air by Method TO-14A	6/1/2004 10:35:00 AM	6/1/2004 5:00:00 PM	7:R 6/8/2004 5:00:00 PM	6/7/2004 11:10:00 AM 975739	SAMP	1	41	<input type="checkbox"/>
0406007-03A	GAC INFLUENT	Air	Volatile Organics in Air by Method TO-14A	6/1/2004 10:35:00 AM	6/1/2004 5:00:00 PM	7:R 6/8/2004 5:00:00 PM	6/7/2004 2:15:00 PM 975737	SAMP	20	1	<input type="checkbox"/>
			Volatile Organics in Air by Method TO-14A			7:R 6/8/2004 5:00:00 PM	6/7/2004 12:20:00 PM 975741	SAMP	10	40	<input type="checkbox"/>

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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 leachate unless an "RE" Sample exists for the extraction (tumble) test.



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4493 Walden Avenue  
Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**Client:** E and E Buffalo Office  
**Project:** Mr. C's Dry Cleaners  
**Work Order:** 0406007

## Method References

### GCMS Volatiles

VOCs in Air by GCMS Method TO-14A

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition. 1997. EPA-625/R-96-010B. Compendium Methods TO-14A, 15,16,17. (NCEPI or AMTIC)

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.

### Mercury

Mercury Analysis in Water by Method 7470A

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.

### Metals

Metals, TAL by ICP Method 6010B

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.

### WetChemistry

Cyanide, Total by Method 9012A

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.

Hardness, Total by Method EPA 130.2

Methods for Chemical Analysis of Water and Wastes. 1983. EPA-600/4-79-020. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory.

Total Dissolved Solids (TDS) by method 160.1

Methods for Chemical Analysis of Water and Wastes. 1983. EPA-600/4-79-020. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory.

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**Client:** E and E Buffalo Office  
**Project:** Mr. C's Dry Cleaners  
**Work Order:** 0406007

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## Method References

Total Suspended Solids (TSS) by method 160.2

Methods for Chemical Analysis of Water and Wastes. 1983. EPA-600/4-79-020. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory.

# GCMS VOLATILES



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# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC INFLUENT

Lab Order: 0406007

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 6/1/2004 10:35:00 AM % Moist:

Lab ID: 0406007-03A

Sample Type: SAMP

Matrix: Air

Test Code: 1\_TO14\_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		50.0	ppbv	10	6/7/2004 12:20:00 PM	JAKE_040607A	DWW
1,1,2,2-Tetrachloroethane	ND		50.0	ppbv	10			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	ppbv	10			
1,1,2-Trichloroethane	ND		50.0	ppbv	10			
1,1-Dichloroethane	ND		50.0	ppbv	10			
1,1-Dichloroethene	ND		50.0	ppbv	10			
1,2,4-Trichlorobenzene	ND		50.0	ppbv	10			
1,2,4-Trimethylbenzene	ND		50.0	ppbv	10			
1,2-Dibromoethane	ND		50.0	ppbv	10			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50.0	ppbv	10			
1,2-Dichlorobenzene	ND		50.0	ppbv	10			
1,2-Dichloroethane	ND		50.0	ppbv	10			
1,2-Dichloropropane	ND		50.0	ppbv	10			
1,3,5-Trimethylbenzene	ND		50.0	ppbv	10			
1,3-Dichlorobenzene	ND		50.0	ppbv	10			
1,4-Dichlorobenzene	ND		50.0	ppbv	10			
Benzene	ND		50.0	ppbv	10			
Benzyl chloride	ND		50.0	ppbv	10			
Bromomethane	4.77	JB	50.0	ppbv	10			
Carbon tetrachloride	ND		50.0	ppbv	10			
Chlorobenzene	ND		50.0	ppbv	10			
Chloroethane	ND		50.0	ppbv	10			
Chloroform	ND		50.0	ppbv	10			
Chloromethane	ND		50.0	ppbv	10			
cis-1,2-Dichloroethene	ND		50.0	ppbv	10			
cis-1,3-Dichloropropene	ND		50.0	ppbv	10			
Dichlorodifluoromethane	ND		50.0	ppbv	10			
Ethylbenzene	ND		50.0	ppbv	10			
Hexachlorobutadiene	ND		50.0	ppbv	10			
m,p-Xylene	ND		100	ppbv	10			
Methylene chloride	ND		50.0	ppbv	10			
o-Xylene	ND		50.0	ppbv	10			
Styrene	ND		50.0	ppbv	10			
Tetrachloroethene	726		100	ppbv	20	6/7/2004 2:15:00 PM		
Toluene	ND		50.0	ppbv	10	6/7/2004 12:20:00 PM		
trans-1,2-Dichloroethene	ND		50.0	ppbv	10			

### 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 exceeds Highest Calibration Standard

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

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Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**Client:** E and E Buffalo Office

**Client Sample ID:** GAC INFLUENT

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 10:35:00 AM % Moist:

**Lab ID:** 0406007-03A

**Sample Type:** SAMP

**Matrix:** Air

**Test Code:** 1\_TO14\_A

**VOLATILE ORGANICS IN AIR BY METHOD TO-14A**

**Method:** EPATO14

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,3-Dichloropropene	ND		50.0	ppbv	10			
Trichloroethene	20.9	J	50.0	ppbv	10			
Trichlorofluoromethane	2.56	JB	50.0	ppbv	10			
Vinyl chloride	ND		50.0	ppbv	10			
Xylenes, Total	ND		150	ppbv	10			
Surr:1,2-Dichloroethane-d4	101		80 - 120	%REC	10	6/7/2004 12:20:00 PM	JAKE_040607A	DWW
Surr:4-Bromofluorobenzene	98		80 - 120	%REC	10			
Surr:Toluene-d8	102		80 - 120	%REC	10			

### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**CLIENT:** E and E Buffalo Office

**Client Sample ID:** GAC INFLUENT

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 10:35:00 AM

**Lab ID:** 0406007-03A

**Sample Type:** SAMP

**Matrix:** AIR

**% Moist:**

## TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Quality(%)	Date Analyzed	Run Batch ID	Analyst
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**VOLATILE ORGANICS IN AIR BY METHOD TO-14A**

1\_TO14\_A

### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC EFFLUENT

Lab Order: 0406007

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 6/1/2004 10:35:00 AM % Moist:

Lab ID: 0406007-04A

Sample Type: SAMP

Matrix: Air

Test Code: 1\_TO14\_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.00	ppbv	1	6/7/2004 11:10:00 AM	JAKE_040607A	DWW
1,1,2,2-Tetrachloroethane	ND		5.00	ppbv	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	ppbv	1			
1,1,2-Trichloroethane	ND		5.00	ppbv	1			
1,1-Dichloroethane	ND		5.00	ppbv	1			
1,1-Dichloroethene	ND		5.00	ppbv	1			
1,2,4-Trichlorobenzene	ND		5.00	ppbv	1			
1,2,4-Trimethylbenzene	0.746	J	5.00	ppbv	1			
1,2-Dibromoethane	ND		5.00	ppbv	1			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		5.00	ppbv	1			
1,2-Dichlorobenzene	ND		5.00	ppbv	1			
1,2-Dichloroethane	ND		5.00	ppbv	1			
1,2-Dichloropropane	ND		5.00	ppbv	1			
1,3,5-Trimethylbenzene	ND		5.00	ppbv	1			
1,3-Dichlorobenzene	ND		5.00	ppbv	1			
1,4-Dichlorobenzene	ND		5.00	ppbv	1			
Benzene	ND		5.00	ppbv	1			
Benzyl chloride	ND		5.00	ppbv	1			
Bromomethane	0.486	JB	5.00	ppbv	1			
Carbon tetrachloride	ND		5.00	ppbv	1			
Chlorobenzene	ND		5.00	ppbv	1			
Chloroethane	ND		5.00	ppbv	1			
Chloroform	ND		5.00	ppbv	1			
Chloromethane	0.711	J	5.00	ppbv	1			
cis-1,2-Dichloroethene	5.46		5.00	ppbv	1			
cis-1,3-Dichloropropane	ND		5.00	ppbv	1			
Dichlorodifluoromethane	ND		5.00	ppbv	1			
Ethylbenzene	ND		5.00	ppbv	1			
Hexachlorobutadiene	ND		5.00	ppbv	1			
m,p-Xylene	ND		10.0	ppbv	1			
Methylene chloride	0.592	J	5.00	ppbv	1			
o-Xylene	ND		5.00	ppbv	1			
Styrene	ND		5.00	ppbv	1			
Tetrachloroethene	12.6		5.00	ppbv	1			
Toluene	ND		5.00	ppbv	1			
trans-1,2-Dichloroethene	0.586	J	5.00	ppbv	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 exceeds Highest Calibration Standard

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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4493 Walden Avenue

Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**Client:** E and E Buffalo Office

**Client Sample ID:** GAC EFFLUENT

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 10:35:00 AM % Moist:

**Lab ID:** 0406007-04A

**Sample Type:** SAMP

**Matrix:** Air

**Test Code:** 1\_TO14\_A

**VOLATILE ORGANICS IN AIR BY METHOD TO-14A**

**Method:** EPATO14

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,3-Dichloropropene	ND		5.00	ppbv	1			
Trichloroethene	ND		5.00	ppbv	1			
Trichlorofluoromethane	0.540	JB	5.00	ppbv	1			
Vinyl chloride	ND		5.00	ppbv	1			
Xylenes, Total	ND		15.0	ppbv	1			
Surr:1,2-Dichloroethane-d4	92		80 - 120	%REC	1	6/7/2004 11:10:00 AM	JAKE_040607A	DWW
Surr:4-Bromofluorobenzene	100		80 - 120	%REC	1			
Surr:Toluene-d8	104		80 - 120	%REC	1			

**Definitions:**

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

**CLIENT:** E and E Buffalo Office

**Client Sample ID:** GAC EFFLUENT

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 10:35:00 AM

**Lab ID:** 0406007-04A

**Sample Type:** SAMP

**Matrix:** AIR

**% Moist:**

## TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Quality(%)	Date Analyzed	Run Batch ID	Analyst
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### VOLATILE ORGANICS IN AIR BY METHOD TO-14A

#### 1\_TO14\_A

75-45-6	Methane, chlorodifluoro-	1.48	2	NJ	ppbv	1	72	6/7/2004 11:10:00 AM	JAKE_040607A	
75-07-0	Acetaldehyde	1.83	5	NJ	ppbv	1	90			
100-45-8	4-Cyanocyclohexene	17.75	2	NJ	ppbv	1	91			
108-95-2	Phenol (17.844)	17.84	9	NJ	ppbv	1	97			
91-20-3	Naphthalene (21.019)	21.02	24	NJ	ppbv	1	97			

**Number of TICs found: 5**

### 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 exceeds Highest Calibration Standard

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:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs in Air by GCMS Method TO-14A**

Sample ID: **MB-1754-80-1** Client Sample ID: **975742** Test Code: **1\_TO14\_A** Units: **ppbv**  
 Run Batch ID: **JAKE\_040607A** SeqNo: **6772004 9:49:00 AM** Prep Batch ID: **040607401r** DF: **1** DL\_No: **1**  
 Analyte Type / Name Result MDL Spike Value %REC Orig Result LowLimit HighLimit RPD RPD Limit 1 Qual

A 1,1,1-Trichloroethane	ND	0.4990								5.000	
A 1,1,2,2-Tetrachloroethane	ND	0.5160								5.000	
A 1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.6330								5.000	
A 1,1,2-Trichloroethane	ND	0.5830								5.000	
A 1,1-Dichloroethane	ND	0.6130								5.000	
A 1,1-Dichloroethene	ND	0.4040								5.000	
A 1,2,4-Trichlorobenzene	ND	0.2630								5.000	
A 1,2,4,6-Trimethylbenzene	ND	0.2290								5.000	
A 1,2-Dibromoethane	ND	0.2560								5.000	
A 1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.6230								5.000	
A 1,2-Dichlorobenzene	ND	0.2170								5.000	
A 1,2-Dichloroethane	ND	0.3020								5.000	
A 1,2-Dichloropropane	ND	0.6750								5.000	
A 1,3,5-Trimethylbenzene	ND	0.4830								5.000	
A 1,3-Dichlorobenzene	ND	0.6020								5.000	
A 1,4-Dichlorobenzene	ND	0.5650								5.000	
A Benzene	ND	0.2330								5.000	
A Benzyl chloride	ND	0.5000								5.000	
A Bromomethane	0.4700	0.3890								5.000	
A Carbon tetrachloride	ND	1.520								5.000	
A Chlorobenzene	ND	0.5600								5.000	
A Chloroethane	ND	0.6370								5.000	

**Definitions:**

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- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis



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# Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0406007

Project: Mr. C's Dry Cleaners

## QC SUMMARY REPORT Method Blank

### VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1754-80-1 Client Sample ID: Test Code: 1\_TO14\_A  
Run Batch ID: JAKE\_040607A SeqNo: 975742 Analysis Date: 6/7/2004 9:49:00 AM Prep Batch ID: 040607401r  
Units: ppbv  
DF: 1 DL\_No: 1  
Prep Date: RPD  
RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Chloroform	ND	0.8050	5.000								
A Chloromethane	ND	0.5470	5.000								
A cis-1,2-Dichloroethene	ND	0.4160	5.000								
A cis-1,3-Dichloropropene	ND	0.2970	5.000								
A Dichlorodifluoromethane	ND	0.5570	5.000								
A Ethylbenzene	ND	0.2250	5.000								
A Hexachlorobutadiene	ND	0.2220	5.000								
A m,p-Xylene	ND	1.180	10.00								
A Methylene chloride	ND	0.5450	5.000								
A o-Xylene	ND	0.5890	5.000								
A Styrene	ND	0.5440	5.000								
A Tetrachloroethene	ND	0.5710	5.000								
A Toluene	ND	0.5360	5.000								
A trans-1,2-Dichloroethene	ND	0.2030	5.000								
A trans-1,3-Dichloropropene	ND	0.3800	5.000								
A Trichloroethene	ND	0.5340	5.000								
A Trichlorofluoromethane	0.4150	0.2140	5.000								
A Vinyl chloride	ND	0.3960	5.000								
A Xylenes, Total	ND	1.670	15.00								
S 1,2-Dichloroethane-d4	9.696	0	0				97	80	120		
S 4-Bromofluorobenzene	9.691	0	0				97	80	120		
S Toluene-d8	10.07	0	0				101	80	120		

**Definitions:**

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

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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# Laboratory Results

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

<b>CLIENT:</b> E and E Buffalo Office	<b>Client Sample ID:</b>
<b>Lab Order:</b> 0406007	<b>Alt. Client ID:</b>
<b>Project:</b> Mr. C's Dry Cleaners	<b>Collection Date:</b>
<b>Lab ID:</b> MB-1754-80-1	<b>Sample Type:</b> MBLK
	<b>Matrix:</b> AIR
	<b>% Moist:</b>

## TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Date Analyzed	Run Batch ID	Analyst
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VOLATILE ORGANICS IN AIR BY METHOD TO-14A  
 1\_TO14\_A

**NO TENTATIVELY IDENTIFIED COMPOUNDS**

<b>Definitions:</b>	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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Lancaster, New York 14086

**Laboratory Results**

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
Sample Duplicate

**VOCs in Air by GCMS Method TO-14A**

Sample ID: 0406007-04A Client Sample ID: GAC EFFLUENT Test Code: 1\_TO14\_A

Run Batch ID: JAKE\_040607A SeqNo: 975740 Analysis Date: 6/7/2004 11:45:00 AM Prep Batch ID: 040607401r

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	DF	Units: ppbv
A 1,1,1-Trichloroethane	ND	0.4990	5.000		0					NC
A 1,1,2,2-Tetrachloroethane	ND	0.5160	5.000		0					NC
A 1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.6330	5.000		0					NC
A 1,1,2-Trichloroethane	ND	0.5830	5.000		0					NC
A 1,1-Dichloroethane	ND	0.6130	5.000		0					NC
A 1,1-Dichloroethene	ND	0.4040	5.000		0					NC
A 1,2,4-Trichlorobenzene	ND	0.2630	5.000		0					NC
A 1,2,4-Trimethylbenzene	0.7930	0.2290	5.000		0.7460					NC
A 1,2-Dibromoethane	ND	0.2560	5.000		0					NC
A 1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.6230	5.000		0					NC
A 1,2-Dichlorobenzene	ND	0.2170	5.000		0					NC
A 1,2-Dichloroethane	ND	0.3020	5.000		0					NC
A 1,2-Dichloropropane	ND	0.6750	5.000		0					NC
A 1,3,5-Trimethylbenzene	ND	0.4830	5.000		0					NC
A 1,3-Dichlorobenzene	ND	0.6020	5.000		0					NC
A 1,4-Dichlorobenzene	ND	0.5650	5.000		0					NC
A Benzene	ND	0.2330	5.000		0					NC
A Benzyl chloride	ND	0.5000	5.000		0					NC
A Bromomethane	0.5290	0.3890	5.000		0.4860					NC
A Carbon tetrachloride	ND	1.520	5.000		0					NC
A Chlorobenzene	ND	0.5600	5.000		0					NC
A Chloroethane	ND	0.6370	5.000		0					NC

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
Sample Duplicate

**VOCs in Air by GCMS Method TO-14A**

Test Code: 1\_TO14\_A

Units: ppbv

Sample ID: 0406007-04A Client Sample ID: GAC EFFLUENT

DF: 1 DL\_No: 1

Run Batch ID: JAKE\_040607A Analysis Date: 6/7/2004 11:45:00 AM Prep Batch ID: 040607401r

Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Chloroform	ND	0.8050	5.000		0				NC	20	J
A Chloromethane	0.8210	0.5470	5.000		0.7110				NC	20	J
A cis-1,2-Dichloroethene	6.070	0.4160	5.000		5.458				10.6	20	
A cis-1,3-Dichloropropene	ND	0.2970	5.000		0				NC	20	J
A Dichlorodifluoromethane	0.5740	0.5570	5.000		0				NC	20	J
A Ethylbenzene	ND	0.2250	5.000		0				NC	20	
A Hexachlorobutadiene	ND	0.2220	5.000		0				NC	20	
A m-Xylene	ND	1.180	10.00		0				NC	20	
A Methylene chloride	0.6210	0.5450	5.000		0.5920				NC	20	J
A o-Xylene	ND	0.5890	5.000		0				NC	20	
A Styrene	ND	0.5440	5.000		0				NC	20	
A Tetrachloroethene	13.48	0.5710	5.000		12.58				6.9	20	
A Toluene	ND	0.5360	5.000		0				NC	20	
A trans-1,2-Dichloroethene	0.6030	0.2030	5.000		0.5860				NC	20	J
A trans-1,3-Dichloropropene	ND	0.3800	5.000		0				NC	20	
A Trichloroethene	ND	0.5340	5.000		0				NC	20	
A Trichlorofluoromethane	0.5900	0.2140	5.000		0.5400				NC	20	JB
A Vinyl chloride	ND	0.3960	5.000		0				NC	20	
A Xylenes, Total	ND	1.670	15.00		0				NC	20	
S 1,2-Dichloroethane-d4	9.465	0	0	10.00	0	95	80	120	0.0	0	
S 4-Bromofluorobenzene	9.819	0	0	10.00	0	98	80	120	0.0	0	
S Toluene-d8	10.27	0	0	10.00	0	103	80	120	0.0	0	

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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# Laboratory Results

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

<b>CLIENT:</b> E and E Buffalo Office	<b>Client Sample ID:</b> GAC EFFLUENT
<b>Lab Order:</b> 0406007	<b>Alt. Client ID:</b>
<b>Project:</b> Mr. C's Dry Cleaners	<b>Collection Date:</b>
<b>Lab ID:</b> 0406007-04A <b>Sample Type:</b> DUP	<b>Matrix:</b> AIR <b>% Moist:</b>

## TENTATIVELY IDENTIFIED COMPOUNDS

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

VOLATILE ORGANICS IN AIR BY METHOD TO-14A  
 1\_TO14\_A

**NO TENTATIVELY IDENTIFIED COMPOUNDS**

<b>Definitions:</b>	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:** 0406007  
**Project:** Mr. C's Dry Cleaners  
**Test Code:** 1\_TO14\_A  
**Batch ID:** JAKE\_040607A

## QC SUMMARY REPORT SURROGATE RECOVERIES

**Volatile Organics in Air by Method TO-14A**

Sample ID	Type	BR4FBZ	BZMED8	DCA12D4					
0406007-03A	SAMP	98	102	101					
0406007-04A	SAMP	100	104	92					
0406007-04A	DUP	98	103	95					
MB-1754-80-1	MBLK	97	101	97					

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	80-120
BZMED8	= Toluene-d8	80-120
DCA12D4	= 1,2-Dichloroethane-d4	80-120

\* Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds



# Analytical Services Center

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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: 0406007

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 6/1/2004 12:10:00 PM % Moist:

Lab ID: 0406007-01A

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	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	0.750	J	1.00	µg/L	1	6/4/2004 12:26:00 AM	PERRY_040603F	MRD
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	0.469	J	1.00	µg/L	1			
1,1-Dichloroethene	0.246	J	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	ND		5.00	µg/L	1			
Acetone	ND		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	0.646	J	1.00	µg/L	1			
Chloromethane	ND		2.00	µg/L	1			
cis-1,2-Dichloroethene	5.33		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	16.3		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 extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID:** 0406007-01A

**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	Limit	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	1390		40.0	µg/L	40	6/4/2004 12:40:00 PM	PERRY_040604A	DWW
Toluene	ND		1.00	µg/L	1	6/4/2004 12:26:00 AM	PERRY_040603F	MRD
trans-1,2-Dichloroethene	0.679	J	1.00	µg/L	1			
trans-1,3-Dichloropropene	ND		1.00	µg/L	1			
Trichloroethene	39.8		1.00	µg/L	1			
Trichlorofluoromethane	ND		1.00	µg/L	1			
Vinyl chloride	0.170	J	1.00	µg/L	1			
Xylenes, Total	ND		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	105		70 - 128	%REC	40	6/4/2004 12:40:00 PM	PERRY_040604A	DWW
Surr:4-Bromofluorobenzene	109		80 - 119	%REC	40			
Surr:Dibromofluoromethane	108		85 - 110	%REC	40			
Surr:Toluene-d8	105		83 - 110	%REC	40			

**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 exceeds Highest Calibration Standard

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

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM

**Lab ID:** 0406007-01A

**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
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### LOW LEVEL VOCS BY METHOD 8260B

1\_8260B\_5030B\_TCL\_LL\_W

#### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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: 0406007

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 6/1/2004 12:15:00 PM % Moist:

Lab ID: 0406007-02A

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	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		1.00	µg/L	1	6/3/2004 11:55:00 PM	PERRY_040603F	MRD
1,1,1,2-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	ND		5.00	µg/L	1			
Acetone	ND		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	0.268	J	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 exceeds Highest Calibration Standard

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

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID:** 0406007-02A

**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	Limit	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	1.44		1.00	µg/L	1			
Toluene	ND		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	ND		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	102		70 - 128	%REC	1	6/3/2004 11:55:00 PM	PERRY_040603F	MRD
Surr:4-Bromofluorobenzene	110		80 - 119	%REC	1			
Surr:Dibromofluoromethane	107		85 - 110	%REC	1			
Surr:Toluene-d8	106		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 exceeds Highest Calibration Standard

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

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM

**Lab ID:** 0406007-02A

**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

#### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: **MB-1768-91-1** Client Sample ID: \_\_\_\_\_ Units: µg/L  
 Test Code: **1\_8260B\_5030B\_TCL\_LL\_W** DF: 1 DL\_No: 1  
 Run Batch ID: **PERRY\_040603F** SeqNo: **973783** Analysis Date: **6/3/2004 9:10:00 PM** Prep Batch ID: **0406034p2r** Prep Date: \_\_\_\_\_  
 Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A 1,1,1-Trichloroethane	ND	0.1230	1.000									
A 1,1,2,2-Tetrachloroethane	ND	0.1710	1.000									
A 1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720	1.000									
A 1,1,2-Trichloroethane	ND	0.1390	1.000									
A 1,1-Dichloroethane	ND	0.1170	1.000									
A 1,1-Dichloroethene	ND	0.1370	1.000									
A 1,2,4-Trichlorobenzene	ND	0.1450	1.000									
A 1,2-Dibromo-3-chloropropane	ND	0.3730	5.000									
A 1,2-Dibromoethane	ND	0.1260	1.000									
A 1,2-Dichlorobenzene	ND	0.08000	1.000									
A 1,2-Dichloroethane	ND	0.1090	1.000									
A 1,2-Dichloropropane	ND	0.09610	1.000									
A 1,3-Dichlorobenzene	ND	0.09330	1.000									
A 1,4-Dichlorobenzene	ND	0.1010	1.000									
A 2-Butanone	ND	0.8150	5.000									
A 2-Hexanone	ND	0.1870	5.000									
A 4-Methyl-2-pentanone	ND	0.3930	5.000									
A Acetone	ND	1.730	5.000									
A Benzene	ND	0.1040	1.000									
A Bromodichloromethane	ND	0.1410	1.000									
A Bromoform	ND	0.09900	1.000									
A Bromomethane	ND	0.1010	2.000									

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: **MB-1768-91-1** Client Sample ID: .  
 Run Batch ID: **PERRY\_040603F** SeqNo: **973783** Analysis Date: **6/3/2004 9:10:00 PM** Prep Batch ID: **0406034p2r**  
 Test Code: **1\_8260B\_5030B\_TCL\_LL\_W** Units: **µg/L** DF: **1** DL\_No: **1**  
 Prep Date: .  
 RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Carbon disulfide	ND	0.1180	5.000							
A Carbon tetrachloride	ND	0.1110	1.000							
A Chlorobenzene	ND	0.1150	1.000							
A Chloroethane	ND	0.1210	2.000							
A Chloroform	ND	0.1200	1.000							
A Chloromethane	ND	0.1420	2.000							
A cis-1,2-Dichloroethene	ND	0.09900	1.000							
A cis-1,3-Dichloropropene	ND	0.1040	1.000							
A Cyclohexane	ND	0.09990	1.000							
A Dibromochloromethane	ND	0.08740	1.000							
A Dichlorodifluoromethane	ND	0.3040	5.000							
A Ethylbenzene	ND	0.1640	1.000							
A Isopropylbenzene	ND	0.1010	1.000							
A Methyl acetate	ND	0.3870	1.000							
A Methyl tert-butyl ether	ND	0.1090	1.000							
A Methylcyclohexane	ND	0.1070	1.000							
A Methylene chloride	ND	0.1280	1.000							
A Styrene	ND	0.1180	1.000							
A Tetrachloroethene	ND	0.1410	1.000							
A Toluene	ND	0.1190	1.000							
A trans-1,2-Dichloroethene	ND	0.1280	1.000							
A trans-1,3-Dichloropropene	ND	0.1120	1.000							

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: **MB-1768-91-1** Client Sample ID:

Run Batch ID: **PERRY\_040603F** SeqNo: **973783**

Analysis Date: **6/3/2004 9:10:00 PM**

Prep Batch ID: **0406034p2r**

Test Code: **1\_8260B\_5030B\_TCL\_LL\_W** Units: **µg/L**

DF: **1** DL\_No: **1**

Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Trichloroethene	ND	0.1630	1.000								
A Trichlorofluoromethane	ND	0.1850	1.000								
A Vinyl chloride	ND	0.1190	1.000								
A Xylenes, Total	ND	0.3070	1.000								
S 1,2-Dichloroethane-d4	9.396	0	0		94		70	128			
S 4-Bromofluorobenzene	10.39	0	0		104		80	119			
S Dibromofluoromethane	9.994	0	0		100		85	110			
S Toluene-d8	10.15	0	0		101		83	110			

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

# Laboratory Results

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

**CLIENT:** E and E Buffalo Office

**Client Sample ID:**

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:**

**Lab ID:** MB-1768-91-1

**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
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LOW LEVEL VOCS BY METHOD 8260B

1\_8260B\_5030B\_TCL\_LL\_W

**NO TENTATIVELY IDENTIFIED COMPOUNDS**

<b>Definitions:</b>	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  
 4493 Walden Avenue  
 Lancaster, New York 14086

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: MB-1768-92-1

Client Sample ID:

Test Code: 1\_8260B\_5030B\_TCL\_LL\_W

Units: µg/L

DF: 1 DL\_No: 1

Run Batch ID: PERRY\_040604A

SeqNo: 974104

Analysis Date: 6/4/2004 11:27:00 AM

Prep Batch ID: 0406044p1r

Prep Date:

Analyte Type / Name Result MDL Spike Value %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A 1,1,1-Trichloroethane	ND	0.1230	1.000						
A 1,1,2,2-Tetrachloroethane	ND	0.1710	1.000						
A 1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720	1.000						
A 1,1,2-Trichloroethane	ND	0.1390	1.000						
A 1,1-Dichloroethane	ND	0.1170	1.000						
A 1,1-Dichlorobenzene	ND	0.1370	1.000						
A 1,2,4-Trichlorobenzene	ND	0.1450	1.000						
A 1,2-Dibromo-3-chloropropane	ND	0.3730	5.000						
A 1,2-Dibromoethane	ND	0.1260	1.000						
A 1,2-Dichlorobenzene	ND	0.08000	1.000						
A 1,2-Dichloroethane	ND	0.1090	1.000						
A 1,2-Dichloropropane	ND	0.09610	1.000						
A 1,3-Dichlorobenzene	ND	0.09330	1.000						
A 1,4-Dichlorobenzene	ND	0.1010	1.000						
A 2-Butanone	ND	0.8150	5.000						
A 2-Hexanone	ND	0.1870	5.000						
A 4-Methyl-2-pentanone	ND	0.3930	5.000						
A Acetone	ND	1.730	5.000						
A Benzene	ND	0.1040	1.000						
A Bromodichloromethane	ND	0.1410	1.000						
A Bromoform	ND	0.09900	1.000						
A Bromomethane	ND	0.1010	2.000						

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: **MB-1768-92-1** Client Sample ID: **974104** Analysis Date: **6/4/2004 11:27:00 AM** Prep Batch ID: **0406044p1r** Test Code: **1\_8260B\_5030B\_TCL\_LL\_W** Units: **µg/L**  
 Run Batch ID: **PERRY\_040604A** SeqNo: **974104** Spike Value **0.1180** RL **5.000** HighLimit **1.000** LowLimit **1.000** RPD **1** DL\_No: **1** Prep Date: **6/4/2004 11:27:00 AM** %REC **0.1180** RPD Limit **1** Qual **1**  
 Analyte Type / Name Result MDL

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Carbon disulfide	ND	0.1180	5.000								
A Carbon tetrachloride	ND	0.1110	1.000								
A Chlorobenzene	ND	0.1150	1.000								
A Chloroethane	ND	0.1210	2.000								
A Chloroform	ND	0.1200	1.000								
A Chloromethane	ND	0.1420	2.000								
A cis-1,2-Dichloroethene	ND	0.09900	1.000								
A cis-1,3-Dichloropropene	ND	0.1040	1.000								
A Cyclohexane	ND	0.09990	1.000								
A Dibromochloromethane	ND	0.08740	1.000								
A Dichlorodifluoromethane	ND	0.3040	5.000								
A Ethylbenzene	ND	0.1640	1.000								
A Isopropylbenzene	ND	0.1010	1.000								
A Methyl acetate	ND	0.3870	1.000								
A Methyl tert-butyl ether	ND	0.1090	1.000								
A Methylcyclohexane	ND	0.1070	1.000								
A Methylene chloride	ND	0.1280	1.000								
A Styrene	ND	0.1180	1.000								
A Tetrachloroethene	ND	0.1410	1.000								
A Toluene	ND	0.1190	1.000								
A trans-1,2-Dichloroethene	ND	0.1280	1.000								
A trans-1,3-Dichloropropene	ND	0.1120	1.000								

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
Method Blank

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: MB-1768-92-1 Client Sample ID:

Run Batch ID: PERRY\_040604A SeqNo: 974104

Analysis Date: 6/4/2004 11:27:00 AM

Prep Batch ID: 0406044p1r

Test Code: 1\_8260B\_5030B\_TCL\_LL\_W

Units: µg/L

DF: 1 DL\_No: 1

Prep Date:

Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A	Trichloroethene	ND	0.1630	1.000										
A	Trichlorofluoromethane	ND	0.1850	1.000										
A	Vinyl chloride	ND	0.1190	1.000										
A	Xylenes, Total	ND	0.3070	1.000										
S	1,2-Dichloroethane-d4	10.48	0	0				105	70	128				
S	4-Bromofluorobenzene	10.94	0	0				109	80	119				
S	Dibromofluoromethane	10.76	0	0				108	85	110				
S	Toluene-d8	10.51	0	0				105	83	110				

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

# Laboratory Results

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

**CLIENT:** E and E Buffalo Office

**Client Sample ID:**

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:**

**Lab ID:** MB-1768-92-1

**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
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LOW LEVEL VOCS BY METHOD 8260B

1\_8260B\_5030B\_TCL\_LL\_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

<b>Definitions:</b>	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:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: **LCS-1768-91-1** Client Sample ID:

Run Batch ID: **PERRY\_040603F** SeqNo: **973785** Analysis Date: **6/3/2004 8:39:00 PM** Prep Batch ID: **0406034p2r**

Test Code: **1\_8260B\_5030B\_TCL\_LL\_W** Units: **µg/L**

DF: **1** DL\_No: **1**

Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A 1,1-Dichloroethene	9.018	0.1370	1.000	10.00	0	90	80	120			
A Benzene	10.31	0.1040	1.000	10.00	0	103	80	120			
A Chlorobenzene	9.854	0.1150	1.000	10.00	0	99	80	120			
A Toluene	10.03	0.1190	1.000	10.00	0	100	80	120			
A Trichloroethene	10.37	0.1630	1.000	10.00	0	104	80	120			
S 1,2-Dichloroethane-d4	10.31	0	0	10.00	0	103	70	128			
S 4-Bromofluorobenzene	10.17	0	0	10.00	0	102	80	119			
S Dibromofluoromethane	10.20	0	0	10.00	0	102	85	110			
S Toluene-d8	10.12	0	0	10.00	0	101	83	110			

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





# Analytical Services Center

International Specialists in Environmental Analysis

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Lancaster, New York 14086

a division of  
ecology and environment, inc.

# Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0406007

Project: Mr. C's Dry Cleaners

## QC SUMMARY REPORT

Laboratory Control Spike

### VOCs, Low Level by GCMS Method 8260B

Sample ID: LCS-1768-92-1

Client Sample ID:

Test Code: 1\_8260B\_5030B\_TCL\_LL\_W

Units: µg/L

DF: 1 DL\_No: 1

Prep Date:

Run Batch ID: PERRY\_040604A

SeqNo: 974106

Analysis Date: 6/4/2004 9:52:00 AM

Prep Batch ID: 0406044p1r

Analyte Type / Name Result MDL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A 1,1-Dichloroethene	9.398	0.1370	10.00	10.00	0	80	120			
A Benzene	10.56	0.1040	10.00	10.00	0	80	120			
A Chlorobenzene	10.11	0.1150	10.00	10.00	0	80	120			
A Toluene	10.29	0.1190	10.00	10.00	0	80	120			
A Trichloroethene	10.58	0.1630	10.00	10.00	0	80	120			
S 1,2-Dichloroethane-d4	11.05	0	10.00	10.00	0	70	128			
S 4-Bromofluorobenzene	10.60	0	10.00	10.00	0	80	119			
S Dibromofluoromethane	10.79	0	10.00	10.00	0	85	110			
S Toluene-d8	10.63	0	10.00	10.00	0	83	110			

### Definitions:

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

Footnotes: I - Represents RSD Limit for Quad Analysis RL - Reporting Limit



**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  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike Duplicate

**VOCs, Low Level by GCMS Method 8260B**

Sample ID: LCSD-1768-92-1 Client Sample ID:  
 Run Batch ID: PERRY\_040604A SeqNo: 974105

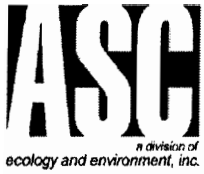
Test Code: 1\_8260B\_5030B\_TCL\_LL\_W Units: µg/L  
 DF: 1 DL\_No: 1  
 Prep Date: Prep Batch ID: 040604p1r

Analyte Type / Name	Result	MDL	Analysis Date: 6/4/2004 10:24:00 AM	Prep Batch ID: 040604p1r	HighLimit	LowLimit	%REC	Orig Result	Spike Value	RL	RPD	RPD Limit	Qual
A 1,1-Dichloroethene	8.971	0.1370	10.00	0	90	80	0	10.00	10.00	1.000	4.6	0	
A Benzene	10.44	0.1040	10.00	0	104	80	0	10.00	10.00	1.000	1.1	20	
A Chlorobenzene	9.836	0.1150	10.00	0	98	80	0	10.00	10.00	1.000	2.8	20	
A Toluene	10.01	0.1190	10.00	0	100	80	0	10.00	10.00	1.000	2.7	20	
A Trichloroethene	10.26	0.1630	10.00	0	103	80	0	10.00	10.00	1.000	3.1	20	
S 1,2-Dichloroethane-d4	10.78	0	10.00	0	108	70	0	10.00	10.00	0	0.0	0	
S 4-Bromofluorobenzene	10.40	0	10.00	0	104	80	0	10.00	10.00	0	0.0	0	
S Dibromofluoromethane	10.82	0	10.00	0	108	85	0	10.00	10.00	0	0.0	0	
S Toluene-d8	10.52	0	10.00	0	105	83	0	10.00	10.00	0	0.0	0	

**Definitions:**

- \* - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis



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# Laboratory Results

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners  
**Test Code:** 1\_8260B\_5030B\_TCL\_LL\_W  
**Batch ID:** PERRY\_040603F

**QC SUMMARY REPORT**  
**SURROGATE RECOVERIES**  
**Low Level VOCs by Method 8260B**

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0406007-02A	SAMP	110	106	107	102				
LCS-1768-91-1	LCS	102	101	102	103				
MB-1768-91-1	MBLK	104	101	100	94				

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



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# Laboratory Results

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners  
**Test Code:** 1\_8260B\_5030B\_TCL\_LL\_W  
**Batch ID:** PERRY\_040604A

## QC SUMMARY REPORT SURROGATE RECOVERIES Low Level VOCs by Method 8260B

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0406007-01A	SAMP	109	105	108	105				
LCS-1768-92-1	LCS	106	106	108	111				
LCSD-1768-92-1	LCSD	104	105	108	108				
MB-1768-92-1	MBLK	109	105	108	105				

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

# METALS



# Analytical Services Center

International Specialists in Environmental Analysis

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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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID:** 0406007-01B

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_6010B\_TAL\_W

**ICP METALS ANALYSIS BY METHOD 6010B**

**Method:** SW6010B

**Prep Method:** SW3010A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND		200	µg/L	1	6/7/2004 8:23:07 PM	OPTIMA3300_040607D	TJG
Calcium	139000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	ND		20.0	µg/L	1			
Iron	222		200	µg/L	1			
Lead	ND		5.00	µg/L	1			
Magnesium	22100		1500	µg/L	1			
Manganese	186		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	5470		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	243000		1500	µg/L	1			
Vanadium	ND		20.0	µg/L	1			
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 exceeds Highest Calibration Standard

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

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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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID:** 0406007-02B

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_6010B\_TAL\_W

**ICP METALS ANALYSIS BY METHOD 6010B**

**Method:** SW6010B

**Prep Method:** SW3010A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND		200	µg/L	1	6/7/2004 8:34:56 PM	OPTIMA3300_040607D	TJG
Calcium	138000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	ND		20.0	µg/L	1			
Iron	241		200	µg/L	1			
Lead	7.71		5.00	µg/L	1			
Magnesium	22300		1500	µg/L	1			
Manganese	186		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	5550		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	243000		1500	µg/L	1			
Vanadium	ND		20.0	µg/L	1			
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 exceeds Highest Calibration Standard

I - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

∇ - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

∇P - 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:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**Metals, TAL by ICP Method 6010B**

Sample ID: **MB-200402324** Client Sample ID: **1\_6010B\_TAL\_W** Units: **µg/L**  
 Run Batch ID: **OPTIMA3300\_040607D** SeqNo: **975492** Analysis Date: **6/7/2004 7:42:07 PM** Prep Batch ID: **200402324** DF: **1** DL\_No: **1**  
 Analyte Type / Name Result MDL Spike Value %REC Orig Result LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	Spike Value	%REC	Orig Result	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Aluminum	ND	25.20				200.0				
A Calcium	ND	175.0				1500				
A Cobalt	0.6373	0.5850				20.00				
A Copper	ND	3.340				20.00				
A Iron	ND	46.40				200.0				
A Lead	ND	4.650				5.000				
A Magnesium	49.88	30.00				1500				
A Manganese	ND	1.340				10.00				
A Nickel	ND	1.610				20.00				
A Potassium	ND	149.0				1500				
A Silver	ND	1.180				10.00				
A Sodium	ND	47.30				1500				
A Vanadium	ND	2.960				20.00				
A Zinc	2.685	1.850				20.00				

**Definitions:**

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- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





**Analytical Services Center**  
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**Laboratory Results**  
 NYS ELAP ID#: 10486  
 Phone: (716) 685-8080

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike

**Metals, TAL by ICP Method 6010B**

Sample ID: 0405205-02BS Client Sample ID: SW03-02

Run Batch ID: OPTIMA3300\_040607D SeqNo: 975495

Analysis Date: 6/7/2004 7:59:35 PM

Prep Batch ID: 200402324

Test Code: 1\_6070B\_TAL\_W Units: µg/L

DF: 1 DL\_No: 1

Prep Date: 6/3/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Aluminum	1152	25.20	200.0	1000	104.8	105	75	125			
A Calcium	110100	175.0	1500	10000	102100	80	75	125			
A Cobalt	1024	0.5850	20.00	1000	0	102	75	125			
A Copper	983.3	3.340	20.00	1000	0	98	75	125			
A Iron	10520	46.40	200.0	10000	204.7	103	75	125			
A Lead	1045	4.650	5.000	1000	6.662	104	75	125			
A Magnesium	41450	30.00	1500	10000	31850	96	75	125			
A Manganese	1065	1.340	10.00	1000	47.26	102	75	125			
A Nickel	1021	1.610	20.00	1000	4.480	102	75	125			
A Potassium	12970	149.0	1500	10000	2676	103	75	125			
A Silver	54.35	1.180	10.00	50.00	0	109	75	125			
A Sodium	63090	47.30	1500	10000	53640	95	75	125			
A Vanadium	1008	2.960	20.00	1000	0	101	75	125			
A Zinc	1369	1.850	20.00	1000	411.0	96	75	125			

**Definitions:**

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- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

**Footnotes:** I - Represents RSD Limit for Quad Analysis RL - Reporting Limit



**Analytical Services Center**  
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 Lancaster, New York 14086

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike Duplicate

**Metals, TAL by ICP Method 6010B**

Sample ID: 0405205-02BS1 Client Sample ID: SW03-02

Run Batch ID: OPTIMA3300\_040607D SeqNo: 975496

Analysis Date: 6/7/2004 8:05:28 PM

Prep Batch ID: 200402324

Test Code: 1\_6010B\_TAL\_W Units: µg/L

DF: 1 DL\_No: 1

Prep Date: 6/3/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Aluminum	1203	25.20	200.0	1000	104.8	110	75	125	4.8	20	
A Calcium	115100	175.0	1500	10000	102100	130	75	125	47.2	20	MR
A Cobalt	1068	0.5850	20.00	1000	0	107	75	125	4.2	20	
A Copper	1040	3.340	20.00	1000	0	104	75	125	5.6	20	
A Iron	10910	46.40	200.0	10000	204.7	107	75	125	3.7	20	
A Lead	1087	4.650	5.000	1000	6.662	108	75	125	4.0	20	
A Magnesium	43270	30.00	1500	10000	31850	114	75	125	17.3	20	
A Manganese	1113	1.340	10.00	1000	47.26	107	75	125	4.6	20	
A Nickel	1062	1.610	20.00	1000	4.480	106	75	125	3.9	20	
A Potassium	13530	149.0	1500	10000	2676	109	75	125	5.3	20	
A Silver	56.37	1.180	10.00	50.00	0	113	75	125	3.7	20	
A Sodium	66120	47.30	1500	10000	53640	125	75	125	27.6	20	R
A Vanadium	1058	2.960	20.00	1000	0	106	75	125	4.9	20	
A Zinc	1439	1.850	20.00	1000	411.0	103	75	125	7.1	20	

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**OC SUMMARY REPORT**  
 Laboratory Control Spike

**Metals, TAL by ICP Method 6010B**

Sample ID: **LCS-200402324** Client Sample ID:  
 Run Batch ID: **OPTIMA3300\_040607D** SeqNo: **975493**  
 Analysis Date: **6/7/2004 7:47:55 PM** Prep Batch ID: **200402324**

Test Code: **1\_6010B\_TAL\_W** Units: **µg/L**  
 DF: **1** DL\_No: **1**  
 Prep Date: **6/3/2004**

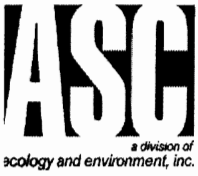
Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Aluminum	1010	25.20	200.0	1000	0	101	80	120			
A Calcium	10660	175.0	1500	10000	0	107	80	120			
A Cobalt	1119	0.5850	20.00	1000	0	112	80	120			
A Copper	1054	3.340	20.00	1000	0	105	80	120			
A Iron	10830	46.40	200.0	10000	0	108	80	120			
A Lead	1108	4.650	5.000	1000	0	111	80	120			
A Magnesium	10530	30.00	1500	10000	0	105	80	120			
A Manganese	1092	1.340	10.00	1000	0	109	80	120			
A Nickel	1104	1.610	20.00	1000	0	110	80	120			
A Potassium	10590	149.0	1500	10000	0	106	80	120			
A Silver	55.64	1.180	10.00	50.00	0	111	80	120			
A Sodium	10750	47.30	1500	10000	0	108	80	120			
A Vanadium	1074	2.960	20.00	1000	0	107	80	120			
A Zinc	1049	1.850	20.00	1000	0	105	80	120			

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit

# MERCURY



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID:** 0406007-01B

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_7470A\_HG\_W

**MERCURY ANALYSIS IN WATER BY METHOD 7470A**

**Method:** SW7470A

**Prep Method:** SW7470A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Mercury	ND		0.200	µg/L	1	6/11/2004 12:05:03 PM	LEEMAN_040611A	JLS

**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 exceeds Highest Calibration Standard

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID:** 0406007-02B

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_7470A\_HG\_W

**MERCURY ANALYSIS IN WATER BY METHOD 7470A**

**Method:** SW7470A

**Prep Method:** SW7470A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Mercury	ND		0.200	µg/L	1	6/11/2004 12:09:16 PM	LEEMAN_040611A	JLS

**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 exceeds Highest Calibration Standard

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

**QC SUMMARY REPORT**  
 Method Blank

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**Mercury Analysis in Water by Method 7470A**

Sample ID: **MB-200402429** Client Sample ID:

Run Batch ID: **LEEMAN\_040611A**

SeqNo: **976834**

Analysis Date: **6/11/2004 12:02:28 PM** Prep Batch ID: **200402429**

Analyte Type / Name

Result MDL

RL Spike Value

LowLimit

HighLimit

Prep Date: **6/10/2004**

RPD RPD Limit 1 Qual

A Mercury

ND 0.05440 0.2000

Test Code: **1\_7470A\_HG\_W**

Units: **µg/L**

DF: 1 DL\_No: 1

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike

**Mercury Analysis in Water by Method 7470A**

Sample ID: **0406007-01BS** Client Sample ID: **AS INFLUENT** Test Code: **1\_7470A\_HG\_W** Units: **µg/L**  
 Run Batch ID: **LEEMAN\_040611A** SeqNo: **976835** Analysis Date: **6/11/2004 12:06:39 PM** Prep Batch ID: **200402429** DF: **1** DL\_No: **1**  
 Analyte Type / Name: **A Mercury** Result: **1.023** MDL: **0.05440** RL: **0.2000** Spike Value: **1.000** %REC: **0** LowLimit: **80** HighLimit: **120** RPD: **RPD Limit 1** Qual: **RPD**

A Mercury

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike Duplicate

**Mercury Analysis in Water by Method 7470A**

Sample ID: 0406007-01BS1 Client Sample ID: AS INFLUENT  
 Run Batch ID: LEEMAN\_040611A SeqNo: 976836 Analysis Date: 6/11/2004 12:07:56 PM Prep Batch ID: 200402429  
 Analyte Type / Name Result MDL %REC Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	%REC	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Mercury	0.9791	0.05440	0.2000	1.000	0	98	80	120	4.4	20	

Test Code: 1\_7470A\_HG\_W Units: µg/L

DF: 1 DL\_No: 1  
 Prep Date: 6/10/2004

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike

**Mercury Analysis in Water by Method 7470A**

Sample ID: **LCS-200402429** Client Sample ID: \_\_\_\_\_ Units: **µg/L**  
 Run Batch ID: **LEEMAN\_040611A** SeqNo: **976833** Analysis Date: **6/11/2004 12:03:46 PM** Prep Batch ID: **200402429** Prep Date: **6/10/2004**  
 Analyte Type / Name: \_\_\_\_\_ Result: **0.9920** MDL: **0.05440** RL: **0.2000** Spike Value: **1.000** %REC: **0** HighLimit: **120** RPD: **RPD Limit 1** Qual: **Qual**

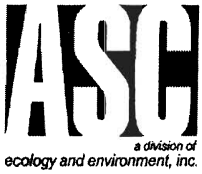
A Mercury 0.9920 0.05440 0.2000 1.000 0 99 80 120

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit

# GENERAL ANALYTICAL CHEMISTRY



# Analytical Services Center

International Specialists in Environmental Analysis

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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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID** 0406007-01D

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_130.2\_HARD\_W

**HARDNESS, TOTAL BY METHOD EPA 130.2**

**Method:** EPA130.2

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Hardness (As CaCO3)	408		1.00	mg/L	1	6/21/2004	WC_HARDNESS_040621A	LMH

**Definitions:**

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

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

**Client Sample ID:** AS EFFLUENT

**Lab Order:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID** 0406007-02D

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_130.2\_HARD\_W

**HARDNESS, TOTAL BY METHOD EPA 130.2**

**Method:** EPA130.2

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Hardness (As CaCO3)	427		1.00	mg/L	1	6/21/2004	WC_HARDNESS_040621A	LMH

**Definitions:**

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

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# Laboratory Results

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

## QC SUMMARY REPORT Method Blank

### Hardness, Total by Method EPA 130.2

Sample ID **MB-040621161** Client Sample ID: **981537** Test Code: **1\_130.2\_HARD\_W** Units: mg/L  
Run Batch ID: **WC\_HARDNESS\_040621A** SeqNo: **981537** Analysis Date: **6/21/2004** Prep Batch ID: **040621161R** DF: **1** DL\_No: **1**  
Analyte Type / Name: **Hardness (As CaCO3)** Result: **ND** MDL: **1.000** RL: **1.000** Spike Value: **1.000** %REC: **1.000** LowLimit: **1.000** HighLimit: **1.000** RPD: **1.000** RPD Limit: **1.000** Qual: **1**

#### Definitions:

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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 Lancaster, New York 14086

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Duplicate

**Hardness, Total by Method EPA 130.2**

Sample ID **0406098-02A** Client Sample ID: **WW2**

Run Batch ID: **WC\_HARDNESS\_040621A** SeqNo: **981543** Analysis Date **6/21/2004**

Analyte Type / Name Result MDL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A Hardness (As CaCO3) 1542 1.000 1.000 1546 0.3 20

Test Code: **1\_130.2\_HARD\_W**  
 Units: mg/L  
 DF: 1 DL\_No: 1  
 Prep Date **6/21/2004**  
 RPD RPD Limit 1 Qual

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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 4493 Walden Avenue  
 Lancaster, New York 14086

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike

**Hardness, Total by Method EPA 130.2**

Sample ID **LCS-040621161** Client Sample ID:

Test Code: **1\_130.2\_HARD\_W**

Units: mg/L

DF: 1 DL\_No: 1

Run Batch ID: **WC\_HARDNESS\_040621A** SeqNo: **981538** Analysis Date **6/21/2004**

Prep Batch ID: **040621161R** Prep Date **6/21/2004**

Analyte Type / Name

HighLimit RPD RPD Limit 1 Qual

A Hardness (As CaCO3)

110

LowLimit

90

%REC

101

Orig Result

0

Spike Value

100.0

RL

1.000

MDL

1.000

Result

101.0

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





# Analytical Services Center

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4493 Walden Avenue  
Lancaster, New York 14086

# Laboratory Results

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

**Client:** E and E Buffalo Office  
**Lab Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**Client Sample ID:** AS INFLUENT  
**Alt. Client ID:**  
**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID** 0406007-01D      **Sample Type:** SAMP      **Matrix:** Water      **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	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Dissolved Solids (Residue, Filterable)	1100		10	mg/L	1	6/3/2004	SARTORIUS_TDS_040603	LMW

- Definitions:**
- \* - Recovery outside QC limits
  - DF - Dilution Factor
  - H - Value Exceeds Maximum Contaminant Level
  - N - Single Column Analysis
  - NP - Petroleum Pattern is not present
  - B - Analyte found in Method blank
  - DNI - Did not Ignite
  - J - Estimated value
  - NC - Not Calculated
  - P - Post Spike Recovery outside limits
  - D - Diluted due to matrix or extended target compounds
  - E - Result exceeds Highest Calibration Standard
  - M - Matrix Spike Recovery outside limits
  - ND - Not Detected at the Reporting Limit
  - R - RPD outside recovery limits



# Analytical Services Center

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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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID** 0406007-02D

**Sample Type:** SAMP

**Matrix:** Water

**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	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Dissolved Solids (Residue, Filterable)	1200		10	mg/L	1	6/3/2004	SARTORIUS_TDS_040603	LMW

**Definitions:**

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

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  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**Total Dissolved Solids (TDS) by method 160.1**

Sample ID **MB-040603141** Client Sample ID: \_\_\_\_\_ Units: mg/L  
 Run Batch ID: **SARTORIUS\_TDS\_040603A** SeqNo: **972901** Analysis Date **6/3/2004** Prep Batch ID: **040603141R** Prep Date **6/3/2004**  
 Analyte Type / Name \_\_\_\_\_ Result \_\_\_\_\_ MDL **10.00** RL **10.00** Spike Value \_\_\_\_\_ Orig Result \_\_\_\_\_ %REC \_\_\_\_\_ LowLimit \_\_\_\_\_ HighLimit \_\_\_\_\_ RPD \_\_\_\_\_ RPD Limit **1** Qual \_\_\_\_\_

A Total Dissolved Solids (Residue, Filterable) ND 10.00 10.00

Test Code: 1\_160.1\_TDS\_W

DF: 1 DL\_No: 1  
 RPD RPD Limit 1 Qual

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Duplicate

**Total Dissolved Solids (TDS) by method 160.1**

Sample ID **0406007-01D** Client Sample ID: **AS INFLUENT**  
 Run Batch ID: **SARTORIUS\_TDS\_040603A** SeqNo: **972904** Analysis Date **6/3/2004**  
 Analyte Type / Name

Test Code: **1\_160.1\_7DS\_W** Units: mg/L  
 DF: 1 DL\_No: 1  
 Prep Date **6/3/2004**  
 HighLimit RPD RPD Limit 1 Qual  
 8.8 20

Prep Batch ID: **040603141R**  
 %REC LowLimit HighLimit  
 1110

Result MDL 1212 10.00 10.00

A Total Dissolved Solids (Residue, Filterable) 10.00 1110 8.8 20

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike

**Total Dissolved Solids (TDS) by method 160.1**

Sample ID **LCS-040603141** Client Sample ID: \_\_\_\_\_ Units: mg/L  
 Run Batch ID: **SARTORIUS\_TDS\_040603A** SeqNo: **972902** Analysis Date **6/3/2004** Prep Batch ID: **040603141R** Prep Date **6/3/2004**  
 Analyte Type / Name \_\_\_\_\_ Result **225.0** MDL **10.00** RL **10.00** Spike Value **240.0** %REC **0** 94 LowLimit **80** HighLimit **120** RPD **RPD Limit 1** Qual \_\_\_\_\_

A Total Dissolved Solids (Residue, Filterable)

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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: 0406007

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 6/1/2004 12:10:00 PM % Moist:

Lab ID 0406007-01D

Sample Type: SAMP

Matrix: Water

Test Code: 1\_160.2\_TSS\_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE

Method: EPA160.2

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Suspended Solids (Residue, Non-Filterable)	ND		4.0	mg/L	1	6/3/2004	SARTORIUS_TSS_040603	LMW

### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID** 0406007-02D

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_160.2\_TSS\_W

**TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE**

**Method:** EPA160.2

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Suspended Solids (Residue, Non-Filterable)	ND		4.0	mg/L	1	6/3/2004	SARTORIUS_TSS_040603	LMW

### Definitions:

\* - Recovery outside QC limits  
 DF - Dilution Factor  
 H - Value Exceeds Maximum Contaminant Level  
 N - Single Column Analysis  
 NP - Petroleum Pattern is not present

B - Analyte found in Method blank  
 DNI - Did not Ignite  
 J - Estimated value  
 NC - Not Calculated  
 P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds  
 E - Result exceeds Highest Calibration Standard  
 M - Matrix Spike Recovery outside limits  
 ND - Not Detected at the Reporting Limit  
 R - RPD outside recovery limits



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**Total Suspended Solids (TSS) by method 160.2**

Sample ID **MB-040603142** Client Sample ID: \_\_\_\_\_ Units: mg/L  
 Run Batch ID: **SARTORIUS\_TSS\_040603A** SeqNo: **972906** Analysis Date **6/3/2004** Test Code: **1\_160.2\_TSS\_W**  
 Analyte Type / Name: **A Total Suspended Solids (Residue, Non-Filterable)** Result: **ND** MDL: **4.000** RL: **4.000** Spike Value: \_\_\_\_\_ Orig Result: \_\_\_\_\_ %REC: \_\_\_\_\_ LowLimit: \_\_\_\_\_ HighLimit: \_\_\_\_\_ RPD: \_\_\_\_\_ RPD Limit 1: **Qual**  
 DF: **1** DL\_No: **1** Prep Date: **6/3/2004**

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit





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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Duplicate

**Total Suspended Solids (TSS) by method 160.2**

Sample ID **0406007-01D** Client Sample ID: **AS INFLUENT**  
 Run Batch ID: **SARTORIUS\_TSS\_040603A** SeqNo: **972909** Analysis Date **6/3/2004**  
 Analyte Type / Name Result MDL

Test Code: **1\_160.2\_7SS\_W**

Units: mg/L  
 DF: 1 DL\_No: 1

Prep Date **6/3/2004** Prep Batch ID: **040603142R**  
 RPD RPD Limit 1 Qual

A Total Suspended Solids (Residue, Non-Filterable) 6.000 4.000 4.000 0 200 20

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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 Lancaster, New York 14086

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Laboratory Control Spike

**Total Suspended Solids (TSS) by method 160.2**

Sample ID **LCS-040603142** Client Sample ID:

Run Batch ID: **SARTORIUS\_TSS\_040603A** SeqNo: **972907** Analysis Date **6/3/2004**

Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A Total Suspended Solids (Residue, Non-Filterable) 276.0 4.000 4.000 4.000 0 98 80 120

Test Code: **1\_160.2\_TSS\_W**

Units: mg/L

DF: 1 DL\_No: 1

Prep Date **6/3/2004**

Prep Batch ID: **040603142R**

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



# Analytical Services Center

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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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:10:00 PM % Moist:

**Lab ID** 0406007-01C

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_9012A\_CN\_W

**CYANIDE, TOTAL BY METHOD 9012A**

**Method:** SW9012A

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	0.0388		0.01	mg/L	1	6/14/2004 1:41:00 PM	LACHAT_CN_040614A	LMW

**Definitions:**

\* - Recovery outside QC limits  
 DF - Dilution Factor  
 H - Value Exceeds Maximum Contaminant Level  
 N - Single Column Analysis  
 NP - Petroleum Pattern is not present

B - Analyte found in Method blank  
 DNI - Did not Ignite  
 J - Estimated value  
 NC - Not Calculated  
 P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds  
 E - Result exceeds Highest Calibration Standard  
 M - Matrix Spike Recovery outside limits  
 ND - Not Detected at the Reporting Limit  
 R - RPD outside recovery limits



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

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:** 0406007

**Alt. Client ID:**

**Project:** Mr. C's Dry Cleaners

**Collection Date:** 6/1/2004 12:15:00 PM % Moist:

**Lab ID** 0406007-02C

**Sample Type:** SAMP

**Matrix:** Water

**Test Code:** 1\_9012A\_CN\_W

**CYANIDE, TOTAL BY METHOD 9012A**

**Method:** SW9012A

**Prep Method:** NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	0.0470		0.01	mg/L	1	6/14/2004 1:43:51 PM	LACHAT_CN_040614A	LMW

### Definitions:

\* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Method Blank

**Cyanide, Total by Method 9012A**  
 Sample ID **MB-200402450** Client Sample ID: \_\_\_\_\_ Units: mg/L  
 Run Batch ID: **LACHAT\_CN\_040614A** SeqNo: **977311** Analysis Date **6/14/2004 1:37:08 PM** Prep Batch ID: **200402450** DF: 1 DL\_No: 1  
 Analyte Type / Name: \_\_\_\_\_ Result: **ND** MDL: **0.003130** RL: **0.01000** Spike Value \_\_\_\_\_ Orig Result \_\_\_\_\_ %REC \_\_\_\_\_ LowLimit \_\_\_\_\_ HighLimit \_\_\_\_\_ RPD RPD Limit 1 Qual

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike

**Cyanide, Total by Method 9012A**

Sample ID: 0406007-01CS Client Sample ID: AS INFLUENT

Run Batch ID: LACHAT\_CN\_040614A SeqNo: 977312 Analysis Date: 6/14/2004 1:41:57 PM

Analyte Type / Name

Result MDL  
 0.1226 0.003130

RL Spike Value Orig Result %REC  
 0.01000 0.1000 0.03883 84

LowLimit HighLimit  
 82 122

RPD RPD Limit 1 Qual  
 1 1 DL\_No: 1  
 Prep Date 6/11/2004

Test Code: 1\_9012A\_CN\_W Units: mg/L

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
 Sample Matrix Spike Duplicate

**Cyanide, Total by Method 9012A**

Sample ID: **0406007-01CS1** Client Sample ID: **AS INFLUENT** Test Code: **1\_9012A\_CN\_W** Units: mg/L  
 Run Batch ID: **LACHAT\_CN\_040614A** SeqNo: **977313** Analysis Date: **6/14/2004 1:42:54 PM** Prep Batch ID: **200402450** DF: **1** DL\_No: **1**  
 Analyte Type / Name: **A Cyanide** Result: **0.1327** MDL: **0.003130** RL: **0.01000** Spike Value: **0.1000** Orig Result: **0.03883** %REC: **94** LowLimit: **82** HighLimit: **122** RPD: **11.3** RPD Limit 1: **20**

**Definitions:**

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

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
**Laboratory Control Spike**

**Cyanide, Total by Method 9012A**

Sample ID: LCS-200402450      Client Sample ID:      Units: mg/L  
 Run Batch ID: LACHAT\_CN\_040614A      SeqNo: 977308      Analysis Date: 6/14/2004 1:38:06 PM      Prep Batch ID: 200402450      DF: 1      DL\_No: 1  
 Analyte Type / Name:      Result: 0.3459      MDL: 0.003130      Spike Value: 0.4000      Orig Result: 0      %REC: 0      LowLimit: 82      HighLimit: 122      RPD:      RPD Limit: 1      Qual: A      Cyanide

Test Code: 1\_9012A\_CN\_W

**Definitions:**

- \* - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- 1 - Represents RSD Limit for Quad Analysis
- RL - Reporting Limit





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

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

**QC SUMMARY REPORT**  
**Laboratory Control Spike - Low (Water)**

**Cyanide, Total by Method 9012A**  
 Sample ID: LCSL-200402450-1\_97730 Client Sample ID: 1  
 Run Batch ID: LACHAT\_CN\_040614A SeqNo: 977309 Analysis Date: 6/14/2004 1:39:04 PM Prep Batch ID: 200402450  
 Analyte Type / Name: A Cyanide Result: 0.07927 MDL: 0.003130 RL: 0.01000 Spike Value: 0.1000 %REC: 0 LowLimit: 79 HighLimit: 90 RPD: 110 RPD Limit: 1  
 Units: mg/L DF: 1 DL\_No: 1  
 Test Code: 1\_9012A\_CN\_W  
 Prep Date: 6/11/2004

**Definitions:**

\* - Recovery outside QC limits  
 DNI - Did not Ignite  
 M - Matrix Spike Recovery outside limits  
 NP - Petroleum Pattern is not present  
 B - Analyte found in Method blank  
 E - Result exceeds Highest Calibration Standard  
 N - Single Column Analysis  
 P - Post Spike Recovery outside limits  
 RL - Reporting Limit  
 D - Diluted due to matrix or extended target compounds  
 H - Value Exceeds Maximum Contaminant Level  
 NC - Not Calculated  
 R - RPD outside recovery limits  
 DF - Dilution Factor  
 J - Estimated value  
 ND - Not Detected at the Reporting Limit

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit



# Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue  
Lancaster, New York 14086

a division of  
ecology and environment, inc.

# Laboratory Results

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

**CLIENT:** E and E Buffalo Office  
**Work Order:** 0406007  
**Project:** Mr. C's Dry Cleaners

## QC SUMMARY REPORT

### Laboratory Control Spike - High (Water)

#### Cyanide, Total by Method 9012A

Sample ID **LCSH-200402450-1\_97731** Client Sample ID:

Run Batch ID: **LACHAT\_CN\_040614A** SeqNo: **977310** Analysis Date **6/14/2004 1:40:03 PM** Prep Batch ID: **200402450**

Analyte Type / Name Result MDL

A Cyanide 0.3908 0.003130

Test Code: **1\_9012A\_CN\_W**

Units: mg/L

DF: 1 DL\_No: 1

Prep Date **6/11/2004**

HighLimit RPD RPD Limit 1 Qual

0.5000 0 78 90 110 \*

%REC LowLimit

0.5000 0 78 90

∞  
H

#### Definitions:

\* - Recovery outside QC limits  
DNI - Did not Ignite  
M - Matrix Spike Recovery outside limits  
NP - Petroleum Pattern is not present

B - Analyte found in Method blank  
E - Result exceeds Highest Calibration Standard  
N - Single Column Analysis  
P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds  
H - Value Exceeds Maximum Contaminant Level  
NC - Not Calculated  
R - RPD outside recovery limits

DF - Dilution Factor  
J - Estimated value  
ND - Not Detected at the Reporting Limit

**Footnotes:** 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit

**Attachment C**  
**Site Utility Costs and Projections**  
**Mr. C's Dry Cleaners Site**

**October 2003 to June 2004**

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

**NYSDEC Work Assignment #27.4**

**12 Months of System Operation and Maintenance**

**Gas and Electric**

Utility Provider	Account #	E&E Cost Center	Description	October	November	December	January '04	February	March	Utility Budget:	Electric:	Telephone:	Total:
New York State E&G	06-311-11-	000699.NY06.05	Mr. C's Electric Costs	\$ 923.50	\$ 2,478.36	\$ 2,741.98	\$ 2,482.85	\$ 2,024.17	\$ 2,024.17		\$14,400.00	\$540.00	\$14,940.00
	002616-26												
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs					\$ 56.55	\$ 153.32				
			Totals	\$ 923.50	\$ 2,478.36	\$ 2,741.98	\$ 2,482.85	\$ 2,080.72	\$ 2,177.49				
				April	May	June	July	August	September	October	Ave./Month		
			Mr. C's Electric Costs	\$ 1,791.95	\$ 1,633.97	\$ 1,605.43	\$ -	\$ -	\$ -	\$ -	\$ 2,213.30		
			Mr. C's Natural Gas Costs	\$ 90.90	\$ 66.37						\$ 122.38		
			Totals	\$ 1,882.85	\$ 1,700.34	\$ 1,605.43	\$ -	\$ -	\$ -	\$ -	\$ 2,335.68		

**Grand Total - NYSE&G/National Fuel Gas Costs To Date \$ 18,073.52**

**Phone**

Utility Provider	Phone #	E&E Cost Center	Location Description	October	November	December	January '04	February '04	March '04				
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs	\$ 213.24	\$ 37.32	\$ 39.12	\$ 39.12	\$ 44.18	\$ 44.18				
Account#													
716 652 0094 416 26 2				April	May	June	July	August	September	October	Ave./Month		
				\$ 38.67	\$ 39.75	\$ 38.37	\$ -	\$ -	\$ -	\$ -	\$ 61.95		

**Grand Total - Verizon Costs to Date \$ 533.95**

**Grand Total All Utilities To Date \$ 18,607.47**

\*\*\*\*This includes initial connection fees for the phone company of approximate

**ATTACHMENT C**

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

**NYSDEC Work Assignment #27.3**

**12 Months of System Operation and Maintenance**

<b>Budget Remaining:</b>	Electric: <b>-\$3,673.52</b>
	Telephone: <b>\$6.05</b>
	Total: <b>-\$3,667.47</b>

O&M Months Remaining: **4**

**ATTACHMENT C**

**Monthly Treatment System Operational Time by O&M Services**

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 Official Startup by O&M on 10/22/03
October-03	168	168	100.00%	6%	
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%	
June-04	696	692	99.43%	30%	
July-04					
August-04					
September-04					
October-04					
Totals to Date	5976	5786	96.82%		

\* 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

**Projected Utility Costs for the O&M year (10/03 to 10/04)**

	Ave./Month	12 months
Electric	\$ 2,213.30	
Gas	\$ 122.38	
Telephone	\$ 61.95	
	\$ 2,397.63	\$28,771.50