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ecology and environment engineering, p.c.

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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

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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 (%) ¹
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%

¹ 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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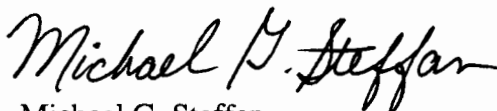
- Approximately 11.8 pounds of VOCs were removed from the influent groundwater based on comparison with the effluent discharge. The calculated removal volumes are located in Table 4. These values are calculated based on influent totalizer readings and assumes that non-detect values given in the analytical 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

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

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 ¹	Units	June 1, 2004 Analytical Values ²
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 ⁶	9/5/02 - 10/2/02	1297	1	47.2
October 2002 ⁶	10/2/02 - 11/4/02	2000	1	71.6
November 2002 ⁶	11/4/02 - 12/2/02	1685	0	46.8
December 2002 ⁶	12/2/02 - 1/7/03	1586	9	44.1
January 2003 ⁶	1/7/03 - 2/3/03	1803	10	29.5
February 2003 ⁶	2/3/03 - 3/10/03	1985	3	35.7
March 2003 ⁶	3/10/03 - 4/7/03	1990	5	54.1
April 2003 ⁶	4/7/03 - 5/2/03	1656	3	35.5
May 2003 ⁶	5/2/03 - 6/2/03	1623	7	22.3
June 2003 ⁶	6/2/03 - 6/30/03	5787	6	96.6
July 2003 ⁶	6/30/03 - 7/29/03	1356	1	28.8
August 2003 ⁶	7/29/03 - 8/25/03	1263	3	21.5
September 2003 ⁶	8/25/03 - 10/22/03	1263	3	3.9
October 2003 ⁷	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 ⁷	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 ⁷	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 ⁷	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 ⁷	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 ⁷	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 ^{7,8}	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 ^{7,8}	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 ^{7,8}	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:

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

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 ³)	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	0.488	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
Tetrachloroethane	165.83	728	32.6	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
TOTAL =										2.03

Flowrate = 318.9593638 scfm = 9.032929184 m³/min = 541.975751 m³/hour
 Monthly hours of operation = 336 hours (arbitrary value used for comparison purposes)⁽⁹⁾
 Pressure = 1 atm = 101300 Pa = 1013 millibars
 Assumed stack temp = 68 F = 20 C = 293 K
 Gas Constant, R = 0.08314 mb*m³/K*mol

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

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/m³
- 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.

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

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 H₂O

Air stripper vacuum _____ 18 inches H₂O

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
 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 _____
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 _____
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 _____
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 H₂O

Air stripper vacuum _____ 19.5 inches H₂O

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

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 H₂O

Air stripper vacuum _____ 18 inches H₂O

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... 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 H₂O

Air stripper vacuum _____ 23 inches H₂O

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: _____

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.

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

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.

PROJECT NO: 000699NY0605
 CLIENT: NYSDEC
 SITE NAME: MR C'S DRY CLEANERS

LOCATION: (Include State)
 PROJECT MANAGER: M. STEFFAN
 OFFICE No.: HQ
 FIELD TEAM LEADER: J. Mays
 PHONE No.: HQ
 SAMPLERS: (PRINT) Rick Becken & J. Mays

CONTAINER TYPE AND PRESERVATIVE: Summa Canisters, 40 mL Vial, 162 Poly HDPE, 1-L Poly NBOH, 1-L Poly
 REQUESTED ANALYSIS: VOC's To 14A, VOC's, Metals, Cyanide, TSS, TDS, Hardness

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOC's To 14A	VOC's	Metals	Cyanide	TSS, TDS, Hardness	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
6/1/04	1210	AS INFLOW	GW	6	0		3	1	1	1					
	1215	AS EFFLUENT	GW	6	0		3	1	1	1					start - 1035 stop - 1135
	1035	GAC INFLOW	A	1	0	1									start - 1035 stop - 1135
	1035	GAC EFFLUENT	A	1	0	1									start - 1035 stop - 1135

TURNAROUND TIME: 24-HOUR R, 48-HOUR U, 1-WEEK S, STANDARD H, OTHER

LAB PROJECT NO.: LAB PROJECT MANAGER:

TEMPERATURE BLANK INFO: Enclosed: Yes No, Date: 6/1/04, Shipped Via: Date:

Relinquished By: (Signature) Date/Time: 6/1/04 1700, Received By: (Signature) Date/Time: 6/1/04

Relinquished By: (Signature) Date/Time: 6/1/04, Received By: (Signature) Date/Time: 6/1/04

Relinquished By: (Signature) Date/Time: 6/1/04, Received By: (Signature) Date/Time: 6/1/04

(FOR LAB USE ONLY) Date: Temperature: Work Order No:



Cooler Receipt Form

No. of Packages:	4 (2 Coolers) 2 SUMMA	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?	Yes	<input checked="" type="radio"/> No	NA
Circle carrier here and print airbill number below: Fed Ex Airborne Client Other <u>EYE</u>			
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	Fiberglass Tape	

B. Unpacking Phase

6. Date cooler(s) opened: 6/1/04 Cooler(s) opened by: U. J. Dally
(Signature)

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

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

Airbill No.	Temp. °C	Airbill No.	Temp. °C	Airbill No.	Temp. °C
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?	<input checked="" type="radio"/> Yes	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	Yes	No	<input checked="" type="radio"/> NA
Type of material: <input type="checkbox"/> Vermiculite <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Other			
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
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. J. Dally Date: 6/1/04

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



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

DATES SUMMARY REPORT

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

LAB Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag	
406007-02A	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	973784	SAMP	1	48	<input type="checkbox"/>
406007-02B	Water	ICP Digestion of Waters by Method 3010A			180:R11/28/2004 5:00:00 PM	6/3/2004 9:19:24 AM	200402324	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	975501	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	976838	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	200402429	NA	NA	NA	<input type="checkbox"/>
406007-02C	Water	Cyanide Prep, Total for Water by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/11/2004 9:08:58 AM	200402450	NA	NA	NA	<input type="checkbox"/>
406007-02D	Water	Cyanide, Total by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/14/2004 1:43:51 PM	977315	SAMP	1	1	<input checked="" type="checkbox"/>
		Hardness, Total by Method EPA 130.2			180:R11/28/2004 5:00:00 PM	6/21/2004	981540	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	972905	SAMP	1	1	<input type="checkbox"/>
		Total Suspended Solids, Non-filterable Residue			5:R 6/6/2004 5:00:00 PM	6/3/2004	972910	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	
406007-01A	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	974108	SAMP	40	1	<input type="checkbox"/>
406007-01B	Water	Low Level VOCs by Method 8260B			7:R 6/8/2004 5:00:00 PM	6/4/2004 12:26:00 AM	973782	SAMP	1	47	<input type="checkbox"/>
		ICP Digestion of Waters by Method 3010A			180:R11/28/2004 5:00:00 PM	6/3/2004 9:19:24 AM	200402324	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	975499	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	976837	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	200402429	NA	NA	NA	<input type="checkbox"/>
406007-01C	Water	Cyanide Prep, Total for Water by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/11/2004 9:08:58 AM	200402450	NA	NA	NA	<input type="checkbox"/>
406007-01D	Water	Cyanide, Total by Method 9012A			12:R 6/13/2004 5:00:00 PM	6/14/2004 1:41:00 PM	977314	SAMP	1	1	<input checked="" type="checkbox"/>
		Hardness, Total by Method EPA 130.2			180:R11/28/2004 5:00:00 PM	6/21/2004	981539	SAMP	1	1	<input type="checkbox"/>

IT 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 late and time of completion of the preparation.
 "RE" Sample exists for the extraction (tumble) test.
 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.

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	6/3/2004 972903	SAMP	1	1	<input type="checkbox"/>
			Total Suspended Solids, Non-filterable Residue			5:R 6/6/2004 5:00:00 PM	6/3/2004 972908	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
0406007-04A	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"/>

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
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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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
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.

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

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

Lab Order: 0406007

Project: Mr. C's Dry Cleaners

Lab ID: 0406007-03A

Sample Type: SAMP

Matrix: Air

Client Sample ID: GAC INFLUENT

Alt. Client ID:

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

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			

Abbreviations:

R - 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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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			

Abbreviations:

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

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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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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

Conditions:

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

Lab Order: 0406007

Project: Mr. C's Dry Cleaners

Lab ID: 0406007-04A

Sample Type: SAMP

Matrix: Air

Client Sample ID: GAC EFFLUENT

Alt. Client ID:

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

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-Dichloropropene	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

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

Lab Order: 0406007

Project: Mr. C's Dry Cleaners

Lab ID: 0406007-04A

Sample Type: SAMP

Matrix: Air

Client Sample ID: GAC EFFLUENT

Alt. Client ID:

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

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

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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

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
------------	---------------	----	------------	---	-------	----	------------	---------------	--------------	---------

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

Abbreviations:

* - 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

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1754-80-1

Client Sample ID:

Test Code: 1_TO14_A

Units: ppbv

Run Batch ID: JAKE_040607A

SeqNo: 975742

Analysis Date: 6/7/2004 9:49:00 AM

Prep Batch ID: 040607401r

DF: 1

DL_No: 1

Prep Date:

Analyte Type / Name

Result

MDL

RL

Spike Value

%REC

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-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:

* - 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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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
Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1754-80-1 Client Sample ID:

Run Batch ID: JAKE_040607A SeqNo: 975742

Analysis Date: 6/7/2004 9:49:00 AM Prep Batch ID: 040607401r

Test Code: 1_TO14_A

Units: ppbv

DF: 1 DL_No: 1

Prep Date:

Analyte Type / Name Result MDL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit¹ 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



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-1754-80-1

Sample Type: MBLK

Matrix: AIR

% Moist:

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

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



Analytical Services Center
International Specialists in Environmental Analysis

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

VOCs in Air by GCMS Method TO-14A

Sample ID: 0406007-04A

Client Sample ID: GAC EFFLUENT

Test Code: 1_TO14_A

Units: ppbv

DF: 1 DL_No: 1

Run Batch ID: JAKE_040607A

SeqNo: 975740

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	Qual
A 1,1,1-Trichloroethane	ND	0.4990	5.000			0			NC	20	
A 1,1,2,2-Tetrachloroethane	ND	0.5160	5.000			0			NC	20	
A 1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.6330	5.000			0			NC	20	
A 1,1,2-Trichloroethane	ND	0.5830	5.000			0			NC	20	
A 1,1-Dichloroethane	ND	0.6130	5.000			0			NC	20	
A 1,1-Dichloroethene	ND	0.4040	5.000			0			NC	20	
A 1,2,4-Trichlorobenzene	ND	0.2630	5.000			0			NC	20	
A 1,2,4-Trimethylbenzene	0.7930	0.2290	5.000			0.7460			NC	20	J
A 1,2-Dibromoethane	ND	0.2560	5.000			0			NC	20	
A 1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.6230	5.000			0			NC	20	
A 1,2-Dichlorobenzene	ND	0.2170	5.000			0			NC	20	
A 1,2-Dichloroethane	ND	0.3020	5.000			0			NC	20	
A 1,2-Dichloropropane	ND	0.6750	5.000			0			NC	20	
A 1,3,5-Trimethylbenzene	ND	0.4830	5.000			0			NC	20	
A 1,3-Dichlorobenzene	ND	0.6020	5.000			0			NC	20	
A 1,4-Dichlorobenzene	ND	0.5650	5.000			0			NC	20	
A Benzene	ND	0.2330	5.000			0			NC	20	
A Benzyl chloride	ND	0.5000	5.000			0			NC	20	
A Bromomethane	0.5290	0.3890	5.000			0.4860			NC	20	JB
A Carbon tetrachloride	ND	1.520	5.000			0			NC	20	
A Chlorobenzene	ND	0.5600	5.000			0			NC	20	
A Chloroethane	ND	0.6370	5.000			0			NC	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

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

Units: ppbv
 DF: 1 DL_No: 1
 Prep Date:

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	RPD	RPD Limit	Qual
A Chloroform	ND	0.8050	5.000		0				NC	20	
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	
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,p-Xylene	ND	1.180	10.000		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	15.000		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



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: GAC EFFLUENT
Lab Order: 0406007	Alt. Client ID:
Project: Mr. C's Dry Cleaners	Collection Date:
Lab ID: 0406007-04A Sample Type: DUP	Matrix: AIR % Moist:

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

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



Analytical Services Center
 International Specialists in Environmental Analysis
 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
Test Code: 1_TO14_A
Batch ID: JAKE_040607A

QC SUMMARY REPORT SURROGATE RECOVERIES

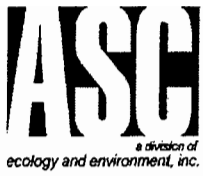
Volatile Organics in Air by Method TO-14A

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

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

Lab Order: 0406007

Project: Mr. C's Dry Cleaners

Lab ID: 0406007-01A

Sample Type: SAMP

Matrix: Water

Client Sample ID: AS INFLUENT

Alt. Client ID:

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

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			
1,3-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			

Abbreviations:

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

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

ations:

* - 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
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	µg/L	1			
1,1,2-Trichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethene	ND		1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND		1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		5.00	µg/L	1			
1,2-Dibromoethane	ND		1.00	µg/L	1			
1,2-Dichlorobenzene	ND		1.00	µg/L	1			
1,2-Dichloroethane	ND		1.00	µg/L	1			
1,2-Dichloropropane	ND		1.00	µg/L	1			
1,3-Dichlorobenzene	ND		1.00	µg/L	1			
1,4-Dichlorobenzene	ND		1.00	µg/L	1			
2-Butanone	ND		5.00	µg/L	1			
2-Hexanone	ND		5.00	µg/L	1			
4-Methyl-2-pentanone	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

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
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			

Abbreviations:

R - 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

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
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LOW LEVEL VOCS BY METHOD 8260B

1_8260B_5030B_TCL_LL_W

Abbreviations:

* - 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
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	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
- RL - Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad 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-1768-91-1** 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 Spike Value %REC Orig Result 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



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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, 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**

Test Code: **1_8260B_5030B_TCL_LL_W**

Units: **µg/L**

DF: **1** DL_No: **1**

Prep Date:

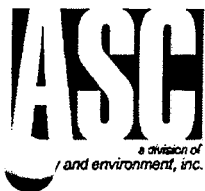
Prep Batch ID: **0406034p2r**

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

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



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

CLIENT: E and E Buffalo Office
Work Order: 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	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
- RL - Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis



Analytical Services Center
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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

QC SUMMARY REPORT
Method Blank

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

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**
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 RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%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
- RL - Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad 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:

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	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

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	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

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

VOCs, Low Level by GCMS Method 8260B

Sample ID: **LCS-1768-92-1** Client Sample ID:

Run Batch ID: **PERRY_040604A** SeqNo: **974106** Analysis Date: **6/4/2004 9:52:00 AM**

Prep Batch ID: **0406044p1r**

Prep Date:

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

DF: **1** DL_No: **1**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A 1,1-Dichloroethene	9.398	0.1370	1.000	10.00	0	94	80	120			
A Benzene	10.56	0.1040	1.000	10.00	0	106	80	120			
A Chlorobenzene	10.11	0.1150	1.000	10.00	0	101	80	120			
A Toluene	10.29	0.1190	1.000	10.00	0	103	80	120			
A Trichloroethene	10.58	0.1630	1.000	10.00	0	106	80	120			
S 1,2-Dichloroethane-d4	11.05	0	0	10.00	0	111	70	128			
S 4-Bromofluorobenzene	10.60	0	0	10.00	0	106	80	119			
S Dibromofluoromethane	10.79	0	0	10.00	0	108	85	110			
S Toluene-d8	10.63	0	0	10.00	0	106	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
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** Analysis Date: **6/4/2004 10:24:00 AM**

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

DF: **1** DL_No: **1**
 Prep Date:

Prep Batch ID: **0406044p1r**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A 1,1-Dichloroethene	8.971	0.1370	1.000	10.00	0	90	80	120	4.6	0	
A Benzene	10.44	0.1040	1.000	10.00	0	104	80	120	1.1	20	
A Chlorobenzene	9.836	0.1150	1.000	10.00	0	98	80	120	2.8	20	
A Toluene	10.01	0.1190	1.000	10.00	0	100	80	120	2.7	20	
A Trichloroethene	10.26	0.1630	1.000	10.00	0	103	80	120	3.1	20	
S 1,2-Dichloroethane-d4	10.78	0	0	10.00	0	108	70	128	0.0	0	
S 4-Bromofluorobenzene	10.40	0	0	10.00	0	104	80	119	0.0	0	
S Dibromofluoromethane	10.82	0	0	10.00	0	108	85	110	0.0	0	
S Toluene-d8	10.52	0	0	10.00	0	105	83	110	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



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
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



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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: 0406007-01B

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			

Abbreviations:

○ Very 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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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			

Abbreviations:

☹ - Value exceeds QC limits

DF - Dilution Factor

E - Value Exceeds Maximum Contaminant Level

✓ - 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

Metals, TAL by ICP Method 6010B

Sample ID: MB-200402324

Run Batch ID: OPTIMA3300_040607D

Analyte Type / Name

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 6/3/2004

Prep Batch ID: 200402324

Analysis Date: 6/7/2004 7:42:07 PM

Client Sample ID: 975492

SeqNo: 975492

Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit¹ 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:

* - 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

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_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	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:

- * - 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 Matrix Spike Duplicate

Metals, TAL by ICP Method 6010B

Sample ID: 0405205-02BS1

Client Sample ID: SW03-02

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Run Batch ID: OPTIMA3300_040607D

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

Prep Batch ID: 200402324

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	MIR
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: I - 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

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

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

Abbreviations:

* - 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: 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

IMS:

* - 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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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

Mercury Analysis in Water by Method 7470A

Sample ID: **MB-200402429** Client Sample ID: **976834** Test Code: **1_7470A_HG_W** Units: **µg/L**
 Run Batch ID: **LEEMAN_040611A** SeqNo: **976834** Analysis Date: **6/11/2004 12:02:28 PM** Prep Batch ID: **200402429** DF: **1** DL_No: **1**
 Analyte Type / Name: **A Mercury** Result: **ND** MDL: **0.05440** RL: **0.2000** Spike Value: **0.2000** %REC: **0.2000** LowLimit: **0.2000** HighLimit: **0.2000** RPD: **0.2000** RPD Limit 1: **0.2000** Qual: **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

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

Run Batch ID: LEEMAN_040611A

SeqNo: 976835

Analysis Date: 6/11/2004 12:06:39 PM

Prep Batch ID: 200402429

Test Code: 1_7470A_HG_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 6/10/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Mercury	1.023	0.05440	0.2000	1.000	0	102	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

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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	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
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: 976833
 Run Batch ID: LEEMAN_040611A SeqNo: 976833 Analysis Date: 6/11/2004 12:03:46 PM Prep Batch ID: 200402429
 Analyte Type / Name: A Mercury Result: 0.9920 MDL: 0.05440 RL: 0.2000 Spike Value: 1.000 %REC: 0 LowLimit: 80 HighLimit: 120
 Units: µg/L DF: 1 DL_No: 1 RPD: RPD Limit 1 Qual

Test Code: 1_7470A_HG_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
- I - Represents RSD Limit for Quad Analysis
- RL - Reporting Limit

GENERAL ANALYTICAL CHEMISTRY



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_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

Abbreviations:

* - 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

ions:

* - 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

Hardness, Total by Method EPA 130.2

Sample ID **MB-040621161** Client Sample ID: _____ Units: mg/L
 Run Batch ID: **WC_HARDNESS_040621A** SeqNo: **981537** Analysis Date **6/21/2004** Prep Batch ID: **040621161R** Prep Date **6/21/2004**
 Analyte Type / Name _____ Result **ND** MDL **1.000** RL **1.000** Spike Value _____ Orig Result _____ %REC _____ LowLimit _____ HighLimit _____ RPD **1** RPD Limit **1** Qual **1**
 A Hardness (As CaCO3) _____

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

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

A Hardness (As CaCO3)

Result: 1542 MDL: 1.000

RL: 1.000

Spike Value: 1546

LowLimit: 0.3

HighLimit: 20

Test Code: 1_130.2_HARD_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date: 6/21/2004

RPD: 0.3 RPD Limit: 1 Qual: 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
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 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:

Run Batch ID: **WC_HARDNESS_040621A** SeqNo: **981538** Analysis Date **6/21/2004**
 Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A Hardness (As CaCO3) 101.0 1.000 1.000 100.0 0 101 90 110

Test Code: **1_130.2_HARD_W** Units: mg/L
 DF: 1 DL_No: 1
 Prep Date **6/21/2004**

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

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_160.1_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



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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:

overly 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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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: **040603141R** Units: mg/L
Run Batch ID: **SARTORIUS_TDS_040603A** SeqNo: **972901** Analysis Date **6/3/2004** DF: **1** DL_No: **1**
Analyte Type / Name **A Total Dissolved Solids (Residue, Filterable)** Result **ND** MDL **10.00** RL **10.00** Spike Value **0.00** Orig Result **%REC** LowLimit **0.00** HighLimit **10.00** RPD **10.00** RPD Limit **1** Qual **1**
Test Code: **1_160.1_TDS_W** 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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QC SUMMARY REPORT

Sample Duplicate

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

Total Dissolved Solids (TDS) by method 160.1

Sample ID: 0406007-01D Client Sample ID: AS INFLUENT Units: mg/L
Run Batch ID: SARTORIUS_TDS_040603A SeqNo: 972904 Analysis Date: 6/3/2004 DF: 1 DL_No: 1
Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual
A Total Dissolved Solids (Residue, Filterable) 1212 10.00 10.00 1110 8.8 20

Test Code: 1_160.1_TDS_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

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



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Laboratory Results
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 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:

Run Batch ID: **SARTORIUS_TDS_040603A** SeqNo: **972902** 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 Dissolved Solids (Residue, Filterable) 225.0 10.00 10.00 240.0 0 94 80 120

Test Code: **1_160.1_TDS_W**

Units: mg/L

DF: 1 DL_No: 1

Prep Date **6/3/2004**

Prep Batch ID: **040603141R**

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

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



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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_160.2_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



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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 Suspended Solids (TSS) by method 160.2
 Sample ID **MB-040603142** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040603A** SeqNo: **972906** 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) ND 4.000 4.000

Test Code: **1_160.2_TSS_W** Units: mg/L
 DF: 1 DL_No: 1
 Prep Date **6/3/2004**
 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 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: **A Total Suspended Solids (Residue, Non-Filterable)** Result: **6.000** MDL: **4.000** RL: **4.000** Spike Value: **0** %REC: **0** LowLimit: **0** HighLimit: **200** RPD: **200** RPD Limit 1: **20** Qual: **20**

Test Code: **1_160.2_TSS_W**

Units: **mg/L**

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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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** Prep Batch ID: **040603142R**

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 4.000 281.0 0 98 80 120

Test Code: 1_160.2_TSS_W

Units: mg/L

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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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	LCHAT_CN_040614A	LMW

Abbreviations:

* - 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 0406007-02C

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

Abbreviations:

* - 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

Cyanide, Total by Method 9012A

Sample ID **MB-200402450** Client Sample ID: **1** 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: **A Cyanide** Result: **ND** MDL: **0.003130** RL: **0.01000** Spike Value: **0.01000** Orig Result: **ND** %REC: **0.01000** LowLimit: **0.01000** HighLimit: **0.01000** RPD: **0.01000** RPD Limit: **1** Qual: **1**

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

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

Run Batch ID: LACHAT_CN_040614A

Analyte Type / Name

Test Code: 1_9012A_CN_W

Client Sample ID: AS INFLUENT

SeqNo: 977312 Analysis Date 6/14/2004 1:41:57 PM

Prep Batch ID: 200402450

DF: 1 DL_No: 1

Prep Date 6/11/2004

RPD RPD Limit 1 Qual

HighLimit 82 122

LowLimit 84

%REC 0.03883

0.1000

0.01000

0.1226

0.003130

A Cyanide

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
Sample Matrix Spike Duplicate

Cyanide, Total by Method 9012A
Sample ID 0406007-01CS1

Test Code: 1_9012A_CN_W

Units: mg/L

Client Sample ID: AS INFLUENT

DF: 1 DL_No: 1

SeqNo: 977313 Analysis Date 6/14/2004 1:42:54 PM Prep Batch ID: 200402450

Prep Date 6/11/2004

Analyte Type / Name

Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit

RPD RPD Limit 1 Qual

A Cyanide

0.1327 0.003130 0.01000 0.1000 0.03883 94 82 122 11.3 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: I - Represents RSD Limit for Quad Analysis RL - Reporting Limit

Ecology & Environment Inc. LIMS Version #: 3.1.1.17 - 6/18/2004 10:00:00 AM



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QC SUMMARY REPORT

Laboratory Control Spike

Cyanide, Total by Method 9012A
Sample ID LCS-200402450

Test Code: 1_9012A_CN_W

Units: mg/L

Client Sample ID:

DF: 1 DL_No: 1

SeqNo: 977308

Prep Date 6/11/2004

Prep Batch ID: 200402450

Analysis Date 6/14/2004 1:38:06 PM

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Cyanide	0.3459	0.003130	0.01000	0.4000	0	86	82	122			

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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a division of
Ecology and Environment, Inc.

Laboratory Results

NYS ELAP ID#: 10486
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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: L^{CSL}-200402450-1_97730 Client Sample ID:

Run Batch ID: L^{CHAT}_CN_040614A

SeqNo: 977309

Analysis Date: 6/14/2004 1:39:04 PM

Prep Batch ID: 200402450

Prep Date: 6/11/2004

Test Code: 1_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Cyanide	0.07927	0.003130	0.01000	0.1000	0	79	90	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
- 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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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

A Cyanide

Test Code: **1_9012A_CN_W**

Units: mg/L

DF: 1 DL_No: 1

Prep Date: **6/11/2004**

Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
0.3908	0.003130	0.01000	0.5000	0	78	90	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

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 #27.3

12 Months of System Operation and Maintenance

Budget Remaining:	Electric: -\$3,673.52
	Telephone: \$6.05
	Total: -\$3,667.47

O&M Months Remaining: **4**

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	times	
Electric	\$ 2,213.30		
Gas	\$ 122.38		
Telephone	\$ 61.95		
	\$ 2,397.63	12 months	\$28,771.50