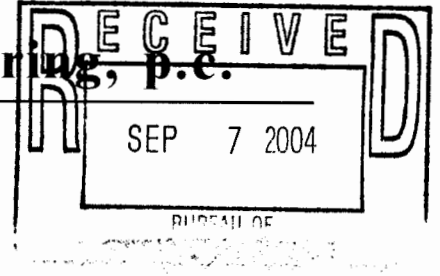




ecology and environment engineering, p.c.

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



September 3, 2004

Mr. David Chiusano, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services
625 Broadway, 12th Floor
Albany, New York 12233 - 7010

Re: Mr. C's Dry Cleaners Site, Contract # D004180, Site # 9-15-157
August 2004 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEEPC) is pleased to provide this August 2004 Operation and Maintenance (O&M) Report for the Mr. C's Dry Cleaners Site, Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from EEEPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. The analytical data packages from EEEPC's Analytical Services Center (ASC) from August 3, 2004 are provided as Attachment B. All analytical results for the report were analyzed at the lowest detection limits in accordance with the method standard. Remedial treatment system utility costs are provided as Attachment C.

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

Operational Summary

- No treatment system shutdowns occurred between 7/27/04 to 8/23/04.
- The system was operational for 100% of the period between 7/27/04 and 8/23/04. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- During the month of August a new totalizing flow meter was installed on the effluent discharge due to erratic readings and repair problems with the existing meter. The effluent totalizer readings from the old and new meters for the month of August 2004 indicates that approximately 1,289,960 gallons of groundwater were processed through the treatment system from 7/27/04 to 8/23/04. Table 2 provides a summary of groundwater volume treated during the August '04 monitoring period. Historical volumes are based on effluent totalizer readings provided by the 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) ²	100%
October 2002 (744) ²	99.33%
November 2002 (720) ²	93.41%
December 2002 (744) ²	80.65%
January 2003 (744) ²	59.15%
February 2003 (672) ²	63.39%
March 2003 (744) ²	82.39%
April 2003 (720) ²	100%
May 2003 (744) ²	100%
June 2003 (720) ²	90.0%
July 2003 (744) ²	100%
August 2003 (744) ²	100%
September 1-4, 2003 (96) ²	100%
October 22 -29, 2003 (168) ³	100%
October 29 - November 25, 2003 (648) ³	99%
November 25 - December 29, 2003 (816) ³	100%
December 29, 2003 – January 26, 2004 (672) ³	100%
January 26, 2004 – February 24, 2004 (696) ³	100%
February 24, 2004 – March 29, 2004 (816) ³	99.97%
March 29, 2004 – April 26, 2004 (672) ³	99.70%
April 26, 2004 – May 24, 2004 (696) ³	73.7%
May 24, 2004 – June 21, 2004 (696) ³	99.43%
June 22, 2004 – July 26, 2004 (840) ³	100%
July 27, 2004 – August 23, 2004 (672) ³	100%

¹ Based on total hours for the month in the reporting period.

² Treatment system operated by the Tyree Organization Ltd. from 9/02 - 9/03.

³ Treatment system operated by O&M Enterprises from 10/03 - present.

- Piezometer measurements were collected on 8/3/04 at the time of compliance sampling. These readings are provided in the weekly inspection reports provided in Attachment A.
- Filters in the bag filter unit were replaced on 8/3/04, 8/9/04, 8/16/04, and 8/23/04 with 100-micron and 50-micron filters in series. Flow rate dramatically increased as a result of the weekly filter changeout.
- New effluent flow meter installed on the treated water discharge on 8/16/04. Equipment and information to be updated in the O&M manuals.
- Alarm received by OMEI and EEEPC for high level alarm in the air stripper and influent equalization tank on 8/16/04. OMEI responded to the call in 3 hours and inspected the unit and reviewed the system cycle while on site. An electrical issue was discovered with having a loose contact switch from the

vibrations from other equipment in the building. Secured contact switch and system operated without alarms.

- Checklists for weekly system inspections from OMEI are provided as Attachment A for 8/3/04, 8/9/04, 8/16/04, and 8/23/04. Weekly system checks indicate that all operating equipment appear to be operating within normal ranges.
- A copy of the site utility costs from EEEPC operations starting October 2003 to date has been provided as Attachment C.

Analytical Summary - Groundwater

- EEEPC and OMEI personnel sampled influent and effluent groundwater on Tuesday, August 3, 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 method detection limits were used for the analysis.
- The results are discussed below. The VOCs detected in the influent groundwater during the August 3, 2004 sampling event were: 1,1,1-Trichloroethene (estimated value - 0.454 ug/L), 1,1-Dichloroethane (estimated value - 0.351 ug/L), 1,1-Dichloroethene (estimated value - 0.363 ug/L), Chloroform (estimated value - 0.201 ug/L), cis-1,2-Dichloroethene - 7.21 ug/L, Methyl tert-butyl ether (MTBE) - 23.2 ug/L, Tetrachloroethene (PCE) - 2210 ug/L, trans-1,2,-Dichloroethene - 1.07 ug/L, Trichloroethene - (estimated value - 61.9 ug/L), Vinyl chloride - (estimated value - 0.241 ug/L).
- The results of the VOCs contaminants detected in the effluent groundwater samples at the August 3, 2004 sampling event, also extracted at the lowest detection level of 1.0 ug/L indicated the contaminants found were Methyl tert-butyl ether (MTBE) - 3.36 ug/L and Tetrachloroethene at 4.02 ug/L. The concentration of PCE in the effluent groundwater did not exceed the Daily Maximum Effluent Discharge Compliance Concentration of 10.0 ug/L listed on Table 3.
- A comparison between the August 3, 2004 analytical values and the Effluent Limitation Requirements are set forth in Table 3.
- Approximately 24.73 pounds of VOCs were removed from the influent groundwater based on comparison with the effluent discharge of August 3, 2004. The calculated removal volumes are located in Table 4. These values are calculated based on effluent totalizer readings and assumes that non-detect values given in the analytical data package = 0 ug/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire month of August 2004.
- The treated groundwater effluent results for metals were in compliance with the Effluent Limitation Requirements for the August 3, 2004 analyses except for iron. Total iron compliance is 600 ug/L with the results of 3730 ug/L for the month of August '04. Total Suspended Solids (TSS) was in compliance while Total Dissolved Solids (TDS) remained above the compliance concentration of 850 mg/L with an actual concentration of 1200 mg/L during the month of August 2004. EEEPC continues to believe that the elevated levels of TDS stem from the high metals concentrations in the groundwater,

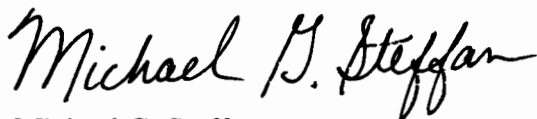
which were not anticipated to be removed by the constructed treatment system. NYSDEC Region 9 is expecting to perform additional upgradient and down gradient stream sampling to evaluate TDS impacts on receiving waters at Tannery Brook stream.

Analytical Summary - Air

- EEEPC and OMEI personnel sampled the air stripper exhaust before and after the granular activated carbon (GAC) vessels on August 3, 2004. Air samples were collected using pre-evacuated and cleaned SUMMA canisters calibrated to continuously collect a one-hour sample.
- The only VOCs detected in the influent air samples were: cis-1,2-Dichloroethene (estimated value – 7.13 ppbv), Tetrachloroethene – 1080 ppbv Trichloroethene – 46.7 ppbv), and Trichlorofluoromethane – (estimated value 1.14 ppbv).
- VOCs detected in the effluent air samples after GAC treatment were: 1,1-Dichloroethene – (estimated value – 0.560 ppbv), 1,2,4-Trimethylbenzene – (estimated value – 1.18 ppbv), Bromomethane – (estimated value – 0.461 ppbv), Chloromethane – (estimated value – 0.851 ppbv), cis-1,2-Dichloroethene – 13.8 ppbv, Methylene chloride – (estimated value – 1.80 ppbv), Tetrachloroethene – (estimated value – 2.83 ppbv), trans-1,2-Dichloroethene – (estimated value – 0.707 ppbv), and Trichlorofluoromethane – (estimated value – 0.685 ppbv). The results stated above and in Table 5 indicate approximately 98% 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 3.08 lbs of VOCs removed during the August 2004 reporting period. All other VOCs below the detection limit assumes that non-detect values in the analytical data package equal 0 ppbv.

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

Very Truly Yours,



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

cc: 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
July 2004 ^{2,3}	6/22/2004 - 7/26/2004	1,858,790
August 2004 ^{2,3}	7/27/04 - 8/23/04	1,289,960
TOTAL GALLONS		46,558,748

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 August 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	August 3, 2004 Effluent Analytical Values ²
Flow	216,000	gpd	46,070
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	4.02
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	3750
Aluminum	4,000	ug/L	ND
Copper	48	ug/L	ND
Lead	11	ug/L	ND
Manganese	2,000	ug/L	323
Silver	100	ug/L	ND
Vanadium	28	ug/L	ND
Zinc	230	ug/L	ND
Total Dissolved Solids	850	mg/L	200
Total Suspended Solids	20	mg/L	13
Cyanide, Free	10	ug/L	ND

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
 2. Values based on effluent compliance sample collected 07/22/04 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.
 6. ND- Not detected at the reporting limit.
- * Average Daily Flow based on the days of operation for August 2004 divided into the starting and ending totalizer reading.
- ** Total Xylenes were non-detect for August 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	22.5
July 2004 ^{7,8}	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 ^{7,8}	7/27/04 - 8/23/04	2305	7.4	24.7
Total pounds of VOCs removed from inception =				756.8

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 August 3, 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:

Influent: $2305 \text{ ug/L} * (1\text{g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,289,960 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 24.81\text{lbs}$
Effluent: $7.4 \text{ ug/L} * (1\text{g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,289,960 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 0.08\text{lbs}$
Net Cleanup: August '04 24.73 lbs

where, 2305 ug/L is the summation of VOC's detected on the influent groundwater and 1,289,960 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) ¹ (ppbv)	Detection Limits - ppbv	Exhaust Concentration (Post-GAC) ² (ppbv)	Detection Limits - 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	ND	25	0.544	5	0%	0.0	0	0.00	0	0.00	0.00
1,2-Dichloroethane	98.96	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloropropane	112.99	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,3-Dichlorobenzene	147.00	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,4-Dichlorobenzene	147.01	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Benzene	78.11	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Benzyl chloride	126.59	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Bromomethane	94.95	ND	25	0.404	5	0%	0.0	0	0.00	0	0.00	0.00
Carbon tetrachloride	153.82	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Chlorobenzene	112.56	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
cis-1,2-Dichloroethene	96.94	7.13	25	13.6	5	0%	0.0	0	0.00	0	0.00	0.00
cis-1,3-Dichloropropene	110.97	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Dichlorodifluoromethane	120.91	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Hexachlorobutadiene	260.7	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Toluene	92.13	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Vinyl Chloride	62.5	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Methylene Chloride	84.93	ND	25	1.74	5	0%	0.0	0	0.00	0	0.00	0.00
Chloromethane	50.49	ND	25	0.787	5	0%	0.0	0	0.00	0	0.00	0.00
Chloroethane	65.51	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dibromoethane	187.88	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichlorobenzene	147.01	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Styrene	104.15	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,1,2,2-Tetrachloroethane	167.85	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,1-Dichloroethylene	96.94	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Chloroform	119.38	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,1,1-Trichloroethane	133.41	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloroethane	133.41	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
m,p-Xylene	106.16	ND	25	ND	10	NA	0.0	0	0.00	0	0.00	0.00
o-Xylene	106.16	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Xylene (total)	318.50	ND	75	ND	15	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trimethylbenzene	120.19	ND	25	1.18	5	0%	0.0	0	0.00	0	0.00	0.00
1,2,4-Trichlorobenzene	181.46	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
Ethylbenzene	106.17	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
1,3,5-Trimethylbenzene	120.19	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
trans-1,2-Dichloroethene	96.94	ND	25	0.684	5	0%	0.0	0	0.00	0	0.00	0.00
trans-1,3-Dichloropropene	110.97	ND	25	ND	5	NA	0.0	0	0.00	0	0.00	0.00
TOTAL =												3.08

Flowrate = 318.959364 scfm = 9.032929184 m³/min = 541.975751 m³/hour
 Monthly hours of operation = 336 hours (arbitrary value used for comparison purposes)⁽⁸⁾
 Pressure = 1 atm = 101300 Pa = 1013 millibars
 Assumed stack temp = 68 F = 20 C = 293 K
 Gas Constant, R = 0.08314 mb³/m³/K³/mol

Notes

1. "*" values are included in above calculations.
2. "*" 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. The detection limit on the influent was typically 25 ppbv and the effluent was 5 ppbv.
3. Less than values (<) list the practical quantitation limit and indicate that the compound was not detected.
4. Above calculations assume that non-detect values (<) = 0 ug/m³
5. All other compounds were non-detect.
6. 500 SCFM is the assumed average influent flowrate, based on weekly manometer readings
7. NA = Not Applicable
8. Revised calculation based on the following equation:
9. Assuming that blowers are only operating 50% of the total monthly reporting period time.
10. System efficiency calculations conservatively assumes higher pre-GAC detection limits did not detect lower contaminant concentrations on post-GAC results. Assume post contaminant results the same for all contaminant below post-GAC detection limits. Efficiency is then calculated on the summation of the assumed pre-GAC results subtracting the post-GAC results then dividing by the pre-GAC total.

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

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

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

Attachment A
OMEI Weekly Inspection Reports
August 2004

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

Date/Time 8/23/04 9:35

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions sunny 72 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>6</u>	ft
PW-4	(ON)	OFF	<u>3</u>	ft
PW-5	(ON)	OFF	<u>5</u>	ft
PW-6	(ON)	OFF	<u>6</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	(ON)	OFF	<u>4</u>	ft
Equalization tank			<u>4</u>	ft

*New meter installed
8/16/04
New meter start at
0.00
JB
D014*

Influent Flow Rate 26.55 gpm

Influent Totalizer Reading 257914.8 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 26 \ 13 psi

Bag filter bottom pressure 6 \ 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 _____ 0.8 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 8 psi

Effluent flow rate _____ gpm

Effluent Totalizer reading _____ 253935 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 #9-16-157
System Inspection Form**

Other observations: _____

Describe any other system maintenance performed
Changed filters, after which influent flow increased to 112 gpm.
Wired the digital remote readout for the new effluent flow meter.

Signature Paul C. Beck

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

Date/Time 8/16/04 10:15

Inspection personnel RC Becken Chad Becken

Other personnel on site _____

Weather Conditions Sunny 77 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>17</u>	ft
PW-2	(ON)	OFF	<u>4</u>	ft
PW-3	(ON)	OFF	<u>7</u>	ft
PW-4	(ON)	OFF	<u>6</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>3</u>	ft
PW-7	(ON)	OFF	<u>8</u>	ft
PW-8	(ON)	OFF	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 19.04 gpm

Influent Totalizer Reading 9818069 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 40 / 13 psi

Bag filter bottom pressure Jun-00 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 9 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 0.8 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 10 psi

Effluent flow rate _____ ~ 90 gpm

Effluent Totalizer reading _____ 0 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 75 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)

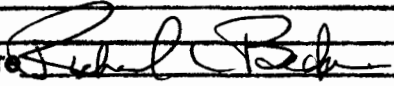
Is water present in any manholes or electrical boxes? (YES) NO

(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 influent flow increased to 109
Soaked up condensated under filter units.
Installed new effluent flow meter, will install remote digital pad next week assuming
manufacturer sends me wiring instructions.
At appr 1430 I received an alarm (channel 3) high level in the stripper units,
drove to site and found that the water level had been high in the stripper unit and the
influent tank but it was then operating as designed. Watched the system go through
three cycles and the left the site. It seems like every time the system is turned off
for maintenance several hours after restarting I receive an alarm for something or
other.

Signature  _____

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

Date/Time 8/9/04 9:00

Inspection personnel RC Becken RC Becken Jr.

Other personnel on site _____

Weather Conditions sunny 70 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>17</u>	ft
PW-2	(ON)	OFF	<u>6</u>	ft
PW-3	(ON)	OFF	<u>6</u>	ft
PW-4	(ON)	OFF	<u>5</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>3</u>	ft
PW-7	(ON)	OFF	<u>8</u>	ft
PW-8	(ON)	OFF	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 19.37 gpm

Influent Totalizer Reading 9484558 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 40 // 10 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 _____ 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 0.1 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 7 psi

Effluent flow rate _____ broke down _____ gpm

Effluent Totalizer reading _____ gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 77 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 8/3/04 8:30

Inspection personnel Richard Becken Jr.

Other personnel on site Jim Mayes

Weather Conditions Thunder storms

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>7</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>8</u>	ft
PW-8	(ON)	OFF	<u>5</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 55.75 gpm

Influent Totalizer Reading 9191559 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 40 // 15 psi

Bag filter bottom pressure 3 // 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 _____ 9 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 0.1 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 8 psi

Effluent flow rate _____ 0 gpm flow meter down

Effluent Totalizer reading _____ 101594 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 75 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			NA	NA	NA
Air stripper effluent			NA	NA	NA
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
 Piezometer Water Level Log**

Date 8/3/04 Measurements taken by RC Becken Jr.

PW-5	<u>22.73</u> ft	Comments _____
PZ-5A	<u>10.78</u> ft	Comments _____
PZ-5B	<u>10.41</u> ft	Comments _____
PZ-5C	<u>10.52</u> ft	Comments _____
PZ-5D	<u>10.61</u> ft	Comments _____
<hr/>		
PW-6	<u>18.35</u> ft	Comments _____
PZ-6A	<u>11.34</u> ft	Comments _____
PZ-6B	<u>11.15</u> ft	Comments _____
PZ-6C	<u>11.43</u> ft	Comments _____
PZ-6D	<u>11.1</u> ft	Comments _____
<hr/>		
PW-7	<u>17.84</u> ft	Comments _____
PZ-7A	_____ ft	Comments <u>MPI 6 S 11.21</u>
PZ-7B	<u>11.72</u> ft	Comments _____
PZ-7C	<u>11.43</u> ft	Comments _____
PZ-7D	<u>11.31</u> ft	Comments _____
<hr/>		
PW-8	<u>20.9</u> ft	Comments _____
PZ-8A	<u>7.41</u> ft	Comments _____
PZ-8B	<u>7.93</u> ft	Comments _____
PZ-8C	<u>7.51</u> ft	Comments _____
PZ-8D	<u>7.85</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

Attachment B
EEEEPC ASC Analytical Data Package #0408024
August 2004

- **August 3, 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



August 24, 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.: **0408024**

Dear Mr. Mike Steffan,

Analytical Services Center received 4 samples on Tuesday, August 03, 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 89



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: 0408024

CASE NARRATIVE

GCMS VOLATILES

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

Sample analysis

Volatile samples were determined to be at a pH of 7.

Samples were analyzed within hold time.

Sample AS influent was reanalyzed at a dilution due to the levels of target compounds present. Results reported are from the analysis within the instrument's calibrated range.

The tetrachloroethene peak in the initial analysis of sample AS Influent was manually integrated due to detector saturation.

Calibration and Tunes

Initial and continuing calibrations are acceptable.

QC

Surrogate recoveries are within acceptable limits.

Method blank analyses are acceptable.

Laboratory control sample/duplicate (LCS/LCSD) recoveries and RPD values are acceptable.

Internal standard area responses are acceptable.

VOLATILES - AIR

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

Sample analysis

Samples were analyzed within hold time.

Sample GAC Influent was analyzed at multiple dilutions due to the levels amounts of target compounds present.

Results reported are from the analysis within the instrument's calibrated range.

Calibration and Tunes

Initial and continuing calibrations were acceptable.

No manual peak integration was required.

QC

Surrogate recoveries are within acceptable limits except for high recovery for 1,2-dichloroethane-d4 in sample GAC Effluent. The sample was reanalyzed with similar results. Results of both analyses are included in this report.

Method blank analyses are acceptable.

Client: E AND E BUFFALO
Project: Mr. C's Dry Cleaners
Lab Order: 0408024

CASE NARRATIVE

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.

The matrix spike/spike duplicate (MS/MSD) recoveries are within the control limits except for Calcium, Magnesium and Sodium. Calcium and Sodium are present in the sample at a level greater than ten times the spike amount added.

The RPD values are within the control limits except for Calcium and Sodium.

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

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 hold time.

Calibrations

Initial and continuing calibration standards were acceptable.

QC

Calibration and method blank analyses are acceptable.

Matrix duplicates, matrix spikes, and matrix spike duplicates (MD, MS, MSD) are acceptable.

Laboratory control sample (LCS) recoveries are acceptable except the low level LCS for cyanide is low at 88%.

The acceptable range is 90-110%.



Cooler Receipt Form

No. of Packages:	3	Date Received:	8-3-04
Package Receipt No.:	14141	Project or Site Name:	
Client:	E+E Butte		

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

B. Unpacking Phase					
6. Date cooler(s) opened: <u>8-3-04</u>		Cooler(s) opened by: <u>[Signature]</u> <small>(Signature)</small>			
7. Was a temperature blank vial included inside cooler(s)?					<input checked="" type="radio"/> 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
	3.5				
Thermometer No.: <u>231</u>		Correction Factor: <u>0.0</u>		*If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.	
8. Were the C-O-C forms received? C-O-C forms numbers if present:					<input checked="" type="radio"/> Yes No NA
9. Was enough packing material used in cooler(s)? Type of material: Vermiculite Bubble Wrap <input checked="" type="radio"/> Other <u>ICE</u>					<input checked="" type="radio"/> Yes No NA
10. If cooling was required, what was the means (type ice) of cooling used: <input checked="" type="radio"/> Wet Dry Blue Other					NA
11. Were all containers sealed in separate plastic bags?					Yes <input checked="" type="radio"/> 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>[Signature]</u>		Date: <u>8-3-04</u>	
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: 0408024
Date Received: 8/3/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0408024-01A	AS Influent		8/3/2004 9:33:00 AM
0408024-01B	AS Influent		8/3/2004 9:33:00 AM
0408024-01C	AS Influent		8/3/2004 9:33:00 AM
0408024-01D	AS Influent		8/3/2004 9:33:00 AM
0408024-02A	AS Effluent		8/3/2004 9:44:00 AM
0408024-02B	AS Effluent		8/3/2004 9:44:00 AM
0408024-02C	AS Effluent		8/3/2004 9:44:00 AM
0408024-02D	AS Effluent		8/3/2004 9:44:00 AM
0408024-03A	GAC Influent		8/3/2004 9:20:00 AM
0408024-04A	GAC Effluent		8/3/2004 9:21:00 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

Lab Order: 0408024

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
0408024-02A	AS Effluent	Water Low Level VOCs by Method 8260B	8/3/2004 9:44:00 AM	8/3/2004 2:10:00 PM	7:R 8/10/2004 2:10:00 PM	8/5/2004 4:50:00 AM	1005942	SAMP	1	48
0408024-02B		Total Dissolved Solids (TDS) by method EPA 160.1			5:R 8/8/2004 2:10:00 PM	8/6/2004	1007038	SAMP	1	1
		Total Suspended Solids, Non-filterable Residue			5:R 8/8/2004 2:10:00 PM	8/6/2004	1007015	SAMP	1	1
0408024-02C		Cyanide Prep, Total for Water by Method 9012A			12:R 8/15/2004 2:10:00 PM	8/12/2004 12:26:26 PM	200403248	NA	NA	NA
		Cyanide, Total by Method 9012A			12:R 8/15/2004 2:10:00 PM	8/13/2004 3:59:29 PM	1009147	SAMP	1	1
		Hardness, Total by Method EPA 130.2			180:R 1/30/2005 2:10:00 PM	8/4/2004	1003425	SAMP	1	1
0408024-02D		ICP Digestion of Waters by Method 3010A			180:R 1/30/2005 2:10:00 PM	8/4/2004 9:23:00 AM	200403113	NA	NA	NA
		ICP Metals Analysis by Method 6010B			180:R 1/30/2005 2:10:00 PM	8/6/2004 1:43:02 AM	1004349	SAMP	1	14
		Mercury Analysis in Water by Method 7470A			26:R 8/29/2004 2:10:00 PM	8/5/2004 9:34:20 AM	1003615	SAMP	1	1
		Mercury Prep for Waters by Method 7470A			26:R 8/29/2004 2:10:00 PM	8/4/2004 9:28:46 AM	200403116	NA	NA	NA
(LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0408024-01A	AS Influent	Water Low Level VOCs by Method 8260B	8/3/2004 9:33:00 AM	8/3/2004 2:10:00 PM	7:R 8/10/2004 2:10:00 PM	8/5/2004 11:52:00 PM	1005943	SAMP	100	2
		Low Level VOCs by Method 8260B			7:R 8/10/2004 2:10:00 PM	8/5/2004 5:53:00 AM	1005943	SAMP	1	46
0408024-01B		Total Dissolved Solids (TDS) by method EPA 160.1			5:R 8/8/2004 2:10:00 PM	8/6/2004	1007037	SAMP	1	1
		Total Suspended Solids, Non-filterable Residue			5:R 8/8/2004 2:10:00 PM	8/6/2004	1007014	SAMP	1	1
0408024-01C		Cyanide Prep, Total for Water by Method 9012A			12:R 8/15/2004 2:10:00 PM	8/12/2004 12:26:26 PM	200403248	NA	NA	NA
		Cyanide, Total by Method 9012A			12:R 8/15/2004 2:10:00 PM	8/13/2004 3:56:32 PM	1009146	SAMP	1	1
		Hardness, Total by Method EPA 130.2			180:R 1/30/2005 2:10:00 PM	8/4/2004	1003424	SAMP	1	1
0408024-01D		ICP Digestion of Waters by Method 3010A			180:R 1/30/2005 2:10:00 PM	8/4/2004 9:23:00 AM	200403113	NA	NA	NA
		ICP Metals Analysis by Method 6010B			180:R 1/30/2005 2:10:00 PM	8/6/2004 1:19:31 AM	1004345	SAMP	1	14

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.



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

a division of
 ecology and environment, inc.

Lab Order: 0408024

Client: E and E Buffalo Office

Project: Mr. C's Dry Cleaners

DATES SUMMARY REPORT

(LAB) Sample ID (CLIENT)	AS Influent	Matrix	Water	Test Name	Mercury Analysis in Water by Method 7470A	Collection Date	8/3/2004 9:33:00 AM	Received Date	8/3/2004 2:10:00 PM	HT (Days) / HT Expire	26:R 8/29/2004 2:10:00 PM	Analyzed* - Analysis/BatchID	8/5/2004 9:29:36 AM 1003614	Type DF	SAMP 1 1	#Analytes	1	Flag	<input type="checkbox"/>
				Mercury Prep for Waters by Method 7470A						26:R 8/29/2004 2:10:00 PM			8/4/2004 9:28:46 AM 200403116	NA	NA	NA	NA		<input type="checkbox"/>

(LAB) Sample ID (CLIENT)	GAC Effluent	Matrix	Air	Test Name	Volatile Organics in Air by Method TO-14A	Collection Date	8/3/2004 9:21:00 AM	Received Date	8/3/2004 2:10:00 PM	HT (Days) / HT Expire	7:R 8/10/2004 2:10:00 PM	Analyzed* - Analysis/BatchID	8/10/2004 9:00:00 AM 1007807	Type DF	SAMP 1 41	#Analytes	41	Flag	<input type="checkbox"/>
										7:R 8/10/2004 2:10:00 PM				SAMP 1	41				<input type="checkbox"/>

(LAB) Sample ID (CLIENT)	GAC Influent	Matrix	Air	Test Name	Volatile Organics in Air by Method TO-14A	Collection Date	8/3/2004 9:20:00 AM	Received Date	8/3/2004 2:10:00 PM	HT (Days) / HT Expire	7:R 8/10/2004 2:10:00 PM	Analyzed* - Analysis/BatchID	8/10/2004 12:37:00 PM 1007813	Type DF	SAMP 25 1	#Analytes	1	Flag	<input type="checkbox"/>
										7:R 8/10/2004 2:10:00 PM				SAMP 5	40				<input type="checkbox"/>

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

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

Client:
Project:
Work Order:

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:

Project:

Work Order:

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



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID: 0408024-01A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8260B_5030B_TCL_LL_W

LOW LEVEL VOCS BY METHOD 8260B

Method: SW8260B

Prep Method: SW5030B_LL

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	0.454	J	1.00	µg/L	1	8/5/2004 5:53:00 AM	PERRY_040804F	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	0.351	J	1.00	µg/L	1			
1,1-Dichloroethene	0.363	J	1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND		1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		5.00	µg/L	1			
1,2-Dibromoethane	ND		1.00	µg/L	1			
1,2-Dichlorobenzene	ND		1.00	µg/L	1			
1,2-Dichloroethane	ND		1.00	µg/L	1			
1,2-Dichloropropane	ND		1.00	µg/L	1			
1,3-Dichlorobenzene	ND		1.00	µg/L	1			
1,4-Dichlorobenzene	ND		1.00	µg/L	1			
2-Butanone	ND		5.00	µg/L	1			
2-Hexanone	ND		5.00	µg/L	1			
4-Methyl-2-pentanone	ND		5.00	µg/L	1			
Acetone	ND		5.00	µg/L	1			
Benzene	ND		1.00	µg/L	1			
Bromodichloromethane	ND		1.00	µg/L	1			
Bromoform	ND		1.00	µg/L	1			
Bromomethane	ND		2.00	µg/L	1			
Carbon disulfide	ND		5.00	µg/L	1			
Carbon tetrachloride	ND		1.00	µg/L	1			
Chlorobenzene	ND		1.00	µg/L	1			
Chloroethane	ND		2.00	µg/L	1			
Chloroform	0.201	J	1.00	µg/L	1			
Chloromethane	ND		2.00	µg/L	1			
cis-1,2-Dichloroethene	7.21		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	23.2		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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID: 0408024-01A

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	2210		100	µg/L	100	8/5/2004 11:52:00 PM	PERRY_040805A	
Toluene	ND		1.00	µg/L	1	8/5/2004 5:53:00 AM	PERRY_040804F	
trans-1,2-Dichloroethene	1.07		1.00	µg/L	1			
trans-1,3-Dichloropropene	ND		1.00	µg/L	1			
Trichloroethene	61.9	J	100	µg/L	100	8/5/2004 11:52:00 PM	PERRY_040805A	
Trichlorofluoromethane	ND		1.00	µg/L	1	8/5/2004 5:53:00 AM	PERRY_040804F	
Vinyl chloride	0.241	J	1.00	µg/L	1			
Xylenes, Total	ND		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	91		70 - 128	%REC	1	8/5/2004 5:53:00 AM	PERRY_040804F	MRD
Surr:4-Bromofluorobenzene	98		80 - 119	%REC	1			
Surr:Dibromofluoromethane	91		85 - 110	%REC	1			
Surr:Toluene-d8	101		83 - 110	%REC	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM

Lab ID: 0408024-01A

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

994-05-8	Butane, 2-methoxy-2-methyl-	8.46	1	NJ	µg/L	1	78	8/5/2004 5:53:00 AM	PERRY_040804F	
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Number TICs Found: 1

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID: 0408024-02A

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	8/5/2004 4:50:00 AM	PERRY_040804F	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	3.36		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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID: 0408024-02A

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	4.02		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	94		70 - 128	%REC	1	8/5/2004 4:50:00 AM	PERRY_040804F	MRD
Surr:4-Bromofluorobenzene	106		80 - 119	%REC	1			
Surr:Dibromofluoromethane	94		85 - 110	%REC	1			
Surr:Toluene-d8	95		83 - 110	%REC	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM

Lab ID: 0408024-02A

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

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center
International Specialists in Environmental Analysis

4493 Walden Avenue
Lancaster, New York 14086

a division of
ecology and environment, inc.

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B

Sample ID: **MB-1821-48-1** Client Sample ID: **1005840** Analysis Date: **8/4/2004 8:51:00 PM** Prep Batch ID: **0408044p2r** Test Code: **1_8260B_5030B_TCL_LL_W** Units: **µg/L**
Run Batch ID: **PERRY_040804F** SeqNo: **1005840** Result: **ND** MDL: **0.1230** RL: **1.000** Spike Value: **0.000** %REC: **0.000** LowLimit: **0.000** HighLimit: **1.000** RPD: **0.000** RPD Limit: **1.000**
Prep Date: **8/4/2004** DF: **1** DL_No: **1**

Analyte Type / Name	Result	MDL	RL	Spike Value	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.1230	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,1,2,2-Tetrachloroethane	ND	0.1710	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,1,2-Trichloroethane	ND	0.1390	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,1-Dichloroethane	ND	0.1170	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,1-Dichloroethene	ND	0.1370	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,2,4-Trichlorobenzene	ND	0.1450	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,2-Dibromo-3-chloropropane	ND	0.3730	5.000	0.000	0.000	0.000	5.000	0.000	5.000	
1,2-Dibromoethane	ND	0.1260	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,2-Dichlorobenzene	ND	0.08000	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,2-Dichloroethane	ND	0.1090	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,2-Dichloropropane	ND	0.09610	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,3-Dichlorobenzene	ND	0.09330	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
1,4-Dichlorobenzene	ND	0.1010	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
2-Butanone	ND	0.8150	5.000	0.000	0.000	0.000	5.000	0.000	5.000	
2-Hexanone	ND	0.1870	5.000	0.000	0.000	0.000	5.000	0.000	5.000	
4-Methyl-2-pentanone	ND	0.3930	5.000	0.000	0.000	0.000	5.000	0.000	5.000	
Acetone	ND	1.730	5.000	0.000	0.000	0.000	5.000	0.000	5.000	
Benzene	ND	0.1040	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
Bromodichloromethane	ND	0.1410	1.000	0.000	0.000	0.000	1.000	0.000	1.000	
Bromoform	ND	0.09900	1.000	0.000	0.000	0.000	1.000	0.000	1.000	

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
RL - Reporting Limit
D - Diluted due to matrix or extended target compounds
J - Estimated value
ND - Not Detected at the Reporting Limit
NC - Not Calculated
R - RPD outside recovery limits
S - Surrogate
I - Internal Standard
Analyte Types: S - Surrogate I - Internal Standard



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: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs, Low Level by GCMS Method 8260B

Sample ID: **MB-1821-48-1** Client Sample ID: **1005840** Analysis Date: **8/4/2004 8:51:00 PM** Prep Batch ID: **0408044p2r** Test Code: **1_8260B_5030B_TCL_LL_W** Units: **µg/L**
Run Batch ID: **PERRY_040804F** SeqNo: **1005840** Result: **ND** MDL: **0.1010** RL: **2.000** Spike Value: **0.000** %REC: **0.000** LowLimit: **0.000** HighLimit: **0.000** RPD: **0.000** RPD Limit: **1** Qual: **1**
Analyte Type / Name

Bromomethane	ND	0.1010	2.000
Carbon disulfide	ND	0.1180	5.000
Carbon tetrachloride	ND	0.1110	1.000
Chlorobenzene	ND	0.1150	1.000
Chloroethane	ND	0.1210	2.000
Chloroform	ND	0.1200	1.000
Chloromethane	ND	0.1420	2.000
cis-1,2-Dichloroethene	ND	0.09900	1.000
cis-1,3-Dichloropropene	ND	0.1040	1.000
Cyclohexane	ND	0.09990	1.000
Dibromochloromethane	ND	0.08740	1.000
Dichlorodifluoromethane	ND	0.3040	5.000
Ethylbenzene	ND	0.1640	1.000
Isopropylbenzene	ND	0.1010	1.000
Methyl acetate	ND	0.3870	1.000
Methyl tert-butyl ether	ND	0.1090	1.000
Methylcyclohexane	ND	0.1070	1.000
Methylene chloride	ND	0.1280	1.000
Styrene	ND	0.1180	1.000
Tetrachloroethene	ND	0.1410	1.000
Toluene	ND	0.1190	1.000

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
RL - Reporting Limit
D - Diluted due to matrix or extended target compounds
J - Estimated value
ND - Not Detected at the Reporting Limit
NC - Not Calculated
R - RPD outside recovery limits
Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

QC SUMMARY REPORT
Method Blank

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

VOCs, Low Level by GCMS Method 8260B
Sample ID: MB-1821-48-1 Client Sample ID:

Run Batch ID: PERRY_040804F SeqNo: 1005840 Analysis Date: 8/4/2004 8:51:00 PM

Prep Batch ID: 0408044p2r

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

trans-1,2-Dichloroethene	ND	0.1280	1.000									
trans-1,3-Dichloropropene	ND	0.1120	1.000									
Trichloroethene	ND	0.1630	1.000									
Trichlorofluoromethane	ND	0.1850	1.000									
Vinyl chloride	ND	0.1190	1.000									
Xylenes, Total	ND	0.3070	1.000									
S 1,2-Dichloroethane-d4	9.794	0	0	98	70	128						
S 4-Bromofluorobenzene	10.52	0	0	105	80	119						
S Dibromofluoromethane	9.486	0	0	95	85	110						
S Toluene-d8	9.580	0	0	96	83	110						

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis
RL - Reporting Limit
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
R - RPD outside recovery limits
S - Surrogate
I - Internal Standard
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
J - Estimated value
ND - Not Detected at the Reporting Limit
Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Client Sample ID:

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date:

Lab ID: MB-1821-48-1

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: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs, Low Level by GCMS Method 8260B
 Sample ID: MB-1821-50-1 Client Sample ID:

Run Batch ID: PERRY_040805A SeqNo: 1005945

Analysis Date: 8/5/2004 11:12:00 PM

Prep Batch ID: 0408054p2r

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 %REC LowLimit HighLimit RPD RPD Limit 1 Qual

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

Qualifier Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

J - Estimated value

NC - Not Calculated

R - RPD outside recovery limits

ND - Not Detected at the Reporting Limit

RPD - Reporting Limit

S - Surrogate

I - Internal Standard

Footnotes: 1 - Represents RSD Limit for Quad Analysis



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs, Low Level by GC/MS Method 8260B
 Sample ID: MB-1821-50-1 Client Sample ID:

Run Batch ID: PERRY_040805A SeqNo: 1005945

Analysis Date: 8/5/2004 11:12:00 PM

Prep Batch ID: 0408054p2r

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

Bromomethane	ND	0.1010	2.000								
Carbon disulfide	ND	0.1180	5.000								
Carbon tetrachloride	ND	0.1110	1.000								
Chlorobenzene	ND	0.1150	1.000								
Chloroethane	ND	0.1210	2.000								
Chloroform	ND	0.1200	1.000								
Chloromethane	ND	0.1420	2.000								
cis-1,2-Dichloroethene	ND	0.09900	1.000								
cis-1,3-Dichloropropene	ND	0.1040	1.000								
Cyclohexane	ND	0.09990	1.000								
Dibromochloromethane	ND	0.08740	1.000								
Dichlorodifluoromethane	ND	0.3040	5.000								
Ethylbenzene	ND	0.1640	1.000								
Isopropylbenzene	ND	0.1010	1.000								
Methyl acetate	ND	0.3870	1.000								
Methyl tert-butyl ether	ND	0.1090	1.000								
Methylcyclohexane	ND	0.1070	1.000								
Methylene chloride	ND	0.1280	1.000								
Styrene	ND	0.1180	1.000								
Tetrachloroethene	ND	0.1410	1.000								
Toluene	ND	0.1190	1.000								

Qualifier Definitions:

* - Recovery outside QC limits
 DNI - Did not Ignite
 M - Matrix Spike Recovery outside limits
 NP - Petroleum Pattern is not present
 Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit
 B - Analyte found in Method blank
 E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 D - Diluted due to matrix or extended target compounds
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 NC - Not Calculated
 R - RPD outside recovery limits
 Analyte Types: S - Surrogate I - Internal Standard



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs, Low Level by GC/MS Method 8260B

Sample ID: MB-1821-50-1 Client Sample ID:

Run Batch ID: PERRY_040805A SeqNo: 1005945

Analysis Date: 8/5/2004 11:12:00 PM

Prep Batch ID: 0408054p2r

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

trans-1,2-Dichloroethene	ND	0.1280	1.000									
trans-1,3-Dichloropropene	ND	0.1120	1.000									
Trichloroethene	ND	0.1630	1.000									
Trichlorofluoromethane	ND	0.1850	1.000									
Vinyl chloride	ND	0.1190	1.000									
Xylenes, Total	ND	0.3070	1.000									
S 1,2-Dichloroethane-d4	9.212	0	0		92		70	128				
S 4-Bromofluorobenzene	11.04	0	0		110		80	119				
S Dibromofluoromethane	9.339	0	0		93		85	110				
S Toluene-d8	9.563	0	0		96		83	110				

Qualifier Definitions:

* - Recovery outside QC limits
 DNI - Did not Ignite
 M - Matrix Spike Recovery outside limits
 NP - Petroleum Pattern is not present
 Footnotes: 1 - Represents RSD Limit for Quad Analysis
 B - Analyte found in Method blank
 E - Result above quantitation limit (high standard or ICP linear)
 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
 S - Surrogate
 I - Internal Standard
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Client Sample ID:

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date:

Lab ID: MB-1821-50-1

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

QC SUMMARY REPORT
Laboratory Control Spike

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

VOCs, Low Level by GCMS Method 8260B

Sample ID: **LCS-1821-48-1** Client Sample ID:
Run Batch ID: **PERRY_040804F** SeqNo: **1005841**
Analysis Date: **8/4/2004 8:17:00 PM**

Test Code: **1_8260B_5030B_TCL_LL_W** Units: **µg/L**
DF: **1** DL_No: **1**
Prep Date:

Prep Batch ID: **0408044p2r**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
1,1-Dichloroethene	9.368	0.1370	1.000	10.00	0	94	80	120			
Benzene	10.21	0.1040	1.000	10.00	0	102	80	120			
Chlorobenzene	10.04	0.1150	1.000	10.00	0	100	80	120			
Toluene	10.05	0.1190	1.000	10.00	0	101	80	120			
Trichloroethene	10.09	0.1630	1.000	10.00	0	101	80	120			
S 1,2-Dichloroethane-d4	9.407	0	0	10.00	0	94	70	128			
S 4-Bromofluorobenzene	9.129	0	0	10.00	0	91	80	119			
S Dibromofluoromethane	9.642	0	0	10.00	0	96	85	110			
S Toluene-d8	9.670	0	0	10.00	0	97	83	110			

Qualifier Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- NC - Not Calculated
- R - RPD outside recovery limits
- Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

VOCs, Low Level by GCMS Method 8260B

Sample ID: **LCS-1821-50-1** Client Sample ID:

Run Batch ID: **PERRY_040805A** SeqNo: **1005946**

Analysis Date: **8/5/2004 10:10:00 PM**

Prep Batch ID: **0408054p2r**

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
1,1-Dichloroethene	9.911	0.1370	1.000	10.00	0	99	80	120			
Benzene	10.47	0.1040	1.000	10.00	0	105	80	120			
Chlorobenzene	10.26	0.1150	1.000	10.00	0	103	80	120			
Toluene	10.55	0.1190	1.000	10.00	0	105	80	120			
Trichloroethene	10.74	0.1630	1.000	10.00	0	107	80	120			
S 1,2-Dichloroethane-d4	9.700	0	0	10.00	0	97	70	128			
S 4-Bromofluorobenzene	9.467	0	0	10.00	0	95	80	119			
S Dibromofluoromethane	9.432	0	0	10.00	0	94	85	110			
S Toluene-d8	9.589	0	0	10.00	0	96	83	110			

Qualifier 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 above quantitation limit (high standard or ICP linear)
 H - Value Exceeds Maximum Contaminant Level
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 RL - Reporting Limit
 D - Diluted due to matrix or extended target compounds
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

VOCs, Low Level by GCMS Method 8260B

Sample ID: LCSD-1821-50-1 **Client Sample ID:**

Run Batch ID: PERRY_040805A **SeqNo:** 1005944

Analysis Date: 8/5/2004 10:41:00 PM

Prep Batch ID: 0408054p2r

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
1,1-Dichloroethene	9.594	0.1370	1.000	10.00	0	96	80	120	3.3	0	
Benzene	10.33	0.1040	1.000	10.00	0	103	80	120	1.4	20	
Chlorobenzene	9.965	0.1150	1.000	10.00	0	100	80	120	2.9	20	
Toluene	10.05	0.1190	1.000	10.00	0	101	80	120	4.8	20	
Trichloroethene	10.45	0.1630	1.000	10.00	0	105	80	120	2.8	20	
S 1,2-Dichloroethane-d4	9.080	0	0	10.00	0	91	70	128	0.0	0	
S 4-Bromofluorobenzene	9.276	0	0	10.00	0	93	80	119	0.0	0	
S Dibromofluoromethane	9.580	0	0	10.00	0	96	85	110	0.0	0	
S Toluene-d8	9.553	0	0	10.00	0	96	83	110	0.0	0	

Qualifier Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- NC - Not Calculated
- R - RPD outside recovery limits
- Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: PERRY_040804F

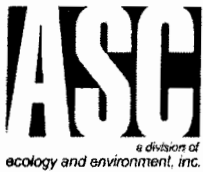
QC SUMMARY REPORT SURROGATE RECOVERIES Low Level VOCs by Method 8260B

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0408024-01A	SAMP	98	101	91	91				
0408024-02A	SAMP	106	95	94	94				
LCS-1821-48-1	LCS	91	97	96	94				
MB-1821-48-1	MBLK	105	96	95	98				

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

* Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: PERRY_040805A

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

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
LCS-1821-50-1	LCS	95	96	94	97				
LCSD-1821-50-1	LCSD	93	96	96	91				
MB-1821-50-1	MBLK	110	96	93	92				

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

Client Sample ID: GAC Influent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:20:00 AM % Moist:

Lab ID: 0408024-03A

Sample Type: SAMP

Matrix: Air

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		25.0	ppbv	5	8/10/2004 5:17:00 AM	JAKE_040809B	GP
1,1,2,2-Tetrachloroethane	ND		25.0	ppbv	5			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	ppbv	5			
1,1,2-Trichloroethane	ND		25.0	ppbv	5			
1,1-Dichloroethane	ND		25.0	ppbv	5			
1,1-Dichloroethene	ND		25.0	ppbv	5			
1,2,4-Trichlorobenzene	ND		25.0	ppbv	5			
1,2,4-Trimethylbenzene	ND		25.0	ppbv	5			
1,2-Dibromoethane	ND		25.0	ppbv	5			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		25.0	ppbv	5			
1,2-Dichlorobenzene	ND		25.0	ppbv	5			
1,2-Dichloroethane	ND		25.0	ppbv	5			
1,2-Dichloropropane	ND		25.0	ppbv	5			
1,3,5-Trimethylbenzene	ND		25.0	ppbv	5			
1,3-Dichlorobenzene	ND		25.0	ppbv	5			
1,4-Dichlorobenzene	ND		25.0	ppbv	5			
Benzene	ND		25.0	ppbv	5			
Benzyl chloride	ND		25.0	ppbv	5			
Bromomethane	ND		25.0	ppbv	5			
Carbon tetrachloride	ND		25.0	ppbv	5			
Chlorobenzene	ND		25.0	ppbv	5			
Chloroethane	ND		25.0	ppbv	5			
Chloroform	ND		25.0	ppbv	5			
Chloromethane	ND		25.0	ppbv	5			
cis-1,2-Dichloroethene	7.13	J	25.0	ppbv	5			
cis-1,3-Dichloropropene	ND		25.0	ppbv	5			
Dichlorodifluoromethane	ND		25.0	ppbv	5			
Ethylbenzene	ND		25.0	ppbv	5			
Hexachlorobutadiene	ND		25.0	ppbv	5			
m,p-Xylene	ND		50.0	ppbv	5			
Methylene chloride	ND		25.0	ppbv	5			
o-Xylene	ND		25.0	ppbv	5			
Styrene	ND		25.0	ppbv	5			
Tetrachloroethene	1080		125	ppbv	25	8/10/2004 12:37:00 PM	JAKE_040810A	DWW
Toluene	ND		25.0	ppbv	5	8/10/2004 5:17:00 AM	JAKE_040809B	GP
trans-1,2-Dichloroethene	ND		25.0	ppbv	5			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Influent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:20:00 AM % Moist:

Lab ID: 0408024-03A

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		25.0	ppbv	5			
Trichloroethene	46.7		25.0	ppbv	5			
Trichlorofluoromethane	1.14	J	25.0	ppbv	5			
Vinyl chloride	ND		25.0	ppbv	5			
Xylenes, Total	ND		75.0	ppbv	5			
Surr:1,2-Dichloroethane-d4	100		80 - 120	%REC	5	8/10/2004 5:17:00 AM	JAKE_040809B	GP
Surr:4-Bromofluorobenzene	100		80 - 120	%REC	5			
Surr:Toluene-d8	99		80 - 120	%REC	5			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: GAC Influent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:20:00 AM

Lab ID: 0408024-03A

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

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM % Moist:

Lab ID: 0408024-04A

Sample Type: SAMP

Matrix: Air

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.00	ppbv	1	8/10/2004 9:00:00 AM	JAKE_040810A	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	0.560	J	5.00	ppbv	1			
1,2,4-Trichlorobenzene	ND		5.00	ppbv	1			
1,2,4-Trimethylbenzene	1.18	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	0.461	J	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	0.851	J	5.00	ppbv	1			
cis-1,2-Dichloroethene	13.8		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	1.80	J	5.00	ppbv	1			
o-Xylene	ND		5.00	ppbv	1			
Styrene	ND		5.00	ppbv	1			
Tetrachloroethene	2.83	J	5.00	ppbv	1			
Toluene	ND		5.00	ppbv	1			
trans-1,2-Dichloroethene	0.707	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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM % Moist:

Lab ID: 0408024-04A

Sample Type: SAMP

Matrix: Air

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,3-Dichloropropene	ND		5.00	ppbv	1			
Trichloroethene	ND		5.00	ppbv	1			
Trichlorofluoromethane	0.685	J	5.00	ppbv	1			
Vinyl chloride	ND		5.00	ppbv	1			
Xylenes, Total	ND		15.0	ppbv	1			
Surr:1,2-Dichloroethane-d4	126	*	80 - 120	%REC	1	8/10/2004 9:00:00 AM	JAKE_040810A	DWW
Surr:4-Bromofluorobenzene	110		80 - 120	%REC	1			
Surr:Toluene-d8	100		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

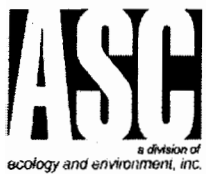
D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM

Lab ID: 0408024-04A

Sample Type: SAMP

Matrix: AIR

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

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

1_TO14_A

123-73-9	2-Butenal, (E)-	1.43	2	NJ	ppbv	1	59	8/10/2004 9:00:00 AM	JAKE_040810A	
106-97-8	Butane	1.73	2	NJ	ppbv	1	64			
104-76-7	1-Hexanol, 2-ethyl-	17.3	3	NJ	ppbv	1	83			
100-45-8	4-Cyanocyclohexene	17.77	3	NJ	ppbv	1	90			
108-95-2	Phenol (17.857)	17.86	10	NJ	ppbv	1	95			
91-20-3	Naphthalene (21.032)	21.03	9	NJ	ppbv	1	97			

Number TICs Found: 6

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM % Moist:

Lab ID: 0408024-04A

Sample Type: RA

Matrix: Air

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.00	ppbv	1	8/10/2004 10:51:00 AM	JAKE_040810A	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	0.544	J	5.00	ppbv	1			
1,2,4-Trichlorobenzene	ND		5.00	ppbv	1			
1,2,4-Trimethylbenzene	1.18	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	0.404	J	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	0.787	J	5.00	ppbv	1			
cis-1,2-Dichloroethene	13.6		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	1.74	J	5.00	ppbv	1			
o-Xylene	ND		5.00	ppbv	1			
Styrene	ND		5.00	ppbv	1			
Tetrachloroethene	2.86	J	5.00	ppbv	1			
Toluene	ND		5.00	ppbv	1			
trans-1,2-Dichloroethene	0.684	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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM % Moist:

Lab ID: 0408024-04A

Sample Type: RA

Matrix: Air

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,3-Dichloropropene	ND		5.00	ppbv	1			
Trichloroethene	ND		5.00	ppbv	1			
Trichlorofluoromethane	0.677	J	5.00	ppbv	1			
Vinyl chloride	ND		5.00	ppbv	1			
Xylenes, Total	ND		15.0	ppbv	1			
Surr:1,2-Dichloroethane-d4	124	*	80 - 120	%REC	1	8/10/2004 10:51:00 AM	JAKE_040810A	DWW
Surr:4-Bromofluorobenzene	106		80 - 120	%REC	1			
Surr:Toluene-d8	97		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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:21:00 AM

Lab ID: 0408024-04A

Sample Type: RA

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

123-73-9	2-Butenal, (E)-	1.43	2	NJ	ppbv	1	64	8/10/2004 10:51:00 AM	JAKE_040810A	
75-45-6	Methane, chlorodifluoro-	1.48	2	NJ	ppbv	1	72			
106-97-8	Butane	1.73	2	NJ	ppbv	1	59			
104-76-7	1-Hexanol, 2-ethyl-	17.3	3	NJ	ppbv	1	90			
100-45-8	4-Cyanocyclohexene	17.76	2	NJ	ppbv	1	94			
108-95-2	Phenol (17.851)	17.85	9	NJ	ppbv	1	95			
91-20-3	Naphthalene (21.026)	21.03	9	NJ	ppbv	1	97			

Number TICs Found: 7

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: **MB-1829-29-2** Client Sample ID:

Run Batch ID: **JAKE_040809B** SeqNo: **1010555** Analysis Date: **8/9/2004 9:18:00 PM**

Prep Batch ID: **040809402r**

Test Code: **1_TO14_A**

Units: **ppbv**

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

Prep Date:

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

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

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 D - Diluted due to matrix or extended target compounds
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 R - RPD outside recovery limits
 S - Surrogate
 I - Internal Standard
 Analyte Types: S - Surrogate I - Internal Standard

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: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: **MB-1829-29-2** Client Sample ID:

Run Batch ID: **JAKE_040809B** SeqNo: **1010555**

Analysis Date: **8/9/2004 9:18:00 PM** Prep Batch ID: **040809402r**

Test Code: **1_T014_A**

Units: **ppbv**

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

Prep Date:

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

Chloroethane	ND	0.6370	5.000									
Chloroform	ND	0.8050	5.000									
Chloromethane	ND	0.5470	5.000									
cis-1,2-Dichloroethene	ND	0.4160	5.000									
cis-1,3-Dichloropropene	ND	0.2970	5.000									
Dichlorodifluoromethane	ND	0.5570	5.000									
Ethylbenzene	ND	0.2250	5.000									
Hexachlorobutadiene	ND	0.2220	5.000									
m,p-Xylene	ND	1.180	10.00									
Methylene chloride	0.6630	0.5450	5.000									
o-Xylene	ND	0.5890	5.000									
Styrene	ND	0.5440	5.000									
Tetrachloroethene	ND	0.5710	5.000									
Toluene	ND	0.5360	5.000									
trans-1,2-Dichloroethene	ND	0.2030	5.000									
trans-1,3-Dichloropropene	ND	0.3800	5.000									
Trichloroethene	ND	0.5340	5.000									
Trichlorofluoromethane	ND	0.2140	5.000									
Vinyl chloride	ND	0.3960	5.000									
Xylenes, Total	ND	1.670	15.00									
S 1,2-Dichloroethane-d4	11.03	0	0					110	80	120		

J

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis
RL - Reporting Limit
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
RL - Reporting Limit
S - Surrogate
I - Internal Standard
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
J - Estimated value
ND - Not Detected at the Reporting Limit
NC - Not Calculated
R - RPD outside recovery limits
Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

QC SUMMARY REPORT
Method Blank

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

VOCs in Air by GCMS Method TO-14A

Sample ID: **MB-1829-29-2** Client Sample ID:

Run Batch ID: **JAKE_040809B** SeqNo: **1010555**

Analysis Date: **8/9/2004 9:18:00 PM**

Prep Batch ID: **040809402r**

Test Code: **1_TO14_A**

Units: **ppbv**

DF: 1 DL_No: 1

Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
S 4-Bromofluorobenzene	9.839	0	0	0	98	98	80	120			
S Toluene-d8	9.948	0	0	0	99	99	80	120			

Qualifier Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- J - Estimated value
- NC - Not Calculated
- R - RPD outside recovery limits
- S - Surrogate
- I - Internal Standard
- DF - Dilution Factor
- ND - Not Detected at the Reporting Limit



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: **MB-1829-30-1** Client Sample ID: **1007806** Test Code: **1_TO14_A**
Run Batch ID: **JAKE_040810A** SeqNo: **1007806** Analysis Date: **8/10/2004 8:21:00 AM** Prep Batch ID: **040810401r**
Analyte Type / Name Result MDL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	0.4990				5.000				
1,1,2,2-Tetrachloroethane	ND	0.5160				5.000				
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.6330				5.000				
1,1,2-Trichloroethane	ND	0.5830				5.000				
1,1-Dichloroethane	ND	0.6130				5.000				
1,1-Dichloroethene	ND	0.4040				5.000				
1,2,4-Trichlorobenzene	ND	0.2630				5.000				
1,2,4-Trimethylbenzene	ND	0.2290				5.000				
1,2-Dibromoethane	ND	0.2560				5.000				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.6230				5.000				
1,2-Dichlorobenzene	ND	0.2170				5.000				
1,2-Dichloroethane	ND	0.3020				5.000				
1,2-Dichloropropane	ND	0.6750				5.000				
1,3,5-Trimethylbenzene	ND	0.4830				5.000				
1,3-Dichlorobenzene	ND	0.6020				5.000				
1,4-Dichlorobenzene	ND	0.5650				5.000				
Benzene	ND	0.2330				5.000				
Benzyl chloride	ND	0.5000				5.000				
Bromomethane	ND	0.3890				5.000				
Carbon tetrachloride	ND	1.520				5.000				
Chlorobenzene	ND	0.5600				5.000				

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- DL - 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 Analyte Types: S - Surrogate I - Internal Standard



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

CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1829-30-1 Client Sample ID:

Run Batch ID: JAKE_040810A SeqNo: 1007806

Analysis Date: 8/10/2004 8:21:00 AM

Prep Batch ID: 040810401r

Test Code: 1_T014_A

Units: ppbv

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

Chloroethane	ND	0.6370	5.000									
Chloroform	ND	0.8050	5.000									
Chloromethane	ND	0.5470	5.000									
cis-1,2-Dichloroethene	ND	0.4160	5.000									
cis-1,3-Dichloropropene	ND	0.2970	5.000									
Dichlorodifluoromethane	ND	0.5570	5.000									
Ethylbenzene	ND	0.2250	5.000									
Hexachlorobutadiene	ND	0.2220	5.000									
m,p-Xylene	ND	1.180	10.00									
Methylene chloride	ND	0.5450	5.000									
o-Xylene	ND	0.5890	5.000									
Styrene	ND	0.5440	5.000									
Tetrachloroethene	ND	0.5710	5.000									
Toluene	ND	0.5360	5.000									
trans-1,2-Dichloroethene	ND	0.2030	5.000									
trans-1,3-Dichloropropene	ND	0.3800	5.000									
Trichloroethene	ND	0.5340	5.000									
Trichlorofluoromethane	ND	0.2140	5.000									
Vinyl chloride	ND	0.3960	5.000									
Xylenes, Total	ND	1.670	15.00									
S 1,2-Dichloroethane-d4	10.12	0	0					101	80	120		

Qualifier Definitions:

* - Recovery outside QC limits
 DNI - Did not Ignite
 M - Matrix Spike Recovery outside limits
 NP - Petroleum Pattern is not present
 Footnotes: 1 - Represents RSD Limit for Quad Analysis
 RL - Reporting Limit
 B - Analyte found in Method blank
 E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 R - RPD outside recovery limits
 S - Surrogate
 I - Internal Standard
 D - Diluted due to matrix or extended target compounds
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: S - Surrogate I - Internal Standard



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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1829-30-1 Client Sample ID:

Run Batch ID: JAKE_040810A

SeqNo: 1007806

Analysis Date: 8/10/2004 8:21:00 AM

Prep Batch ID: 040810401r

Test Code: 1_TO14_A

Units: ppbv

DF: 1 DL_No: 1

Prep Date:

Analyte Type / Name	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
S 4-Bromofluorobenzene	0	0	10.01	0	100	80	120			
S Toluene-d8	0	0	9.972	0	100	80	120			

Qualifier Definitions:

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Client Sample ID:

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date:

Lab ID: MB-1829-30-1

Sample Type: MBLK

Matrix: AIR

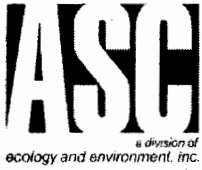
% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners
Test Code: 1_TO14_A
Batch ID: JAKE_040809B

QC SUMMARY REPORT SURROGATE RECOVERIES

Volatile Organics in Air by Method TO-14A

Sample ID	Type	BR4FBZ	BZMED8	DCA12D4					
0408024-03A	SAMP	100	99	100					
MB-1829-29-2	MBLK	98	99	110					

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners
Test Code: 1_TO14_A
Batch ID: JAKE_040810A

QC SUMMARY REPORT SURROGATE RECOVERIES

Volatile Organics in Air by Method TO-14A

Sample ID	Type	BR4FBZ	BZMED8	DCA12D4					
0408024-04A	SAMP	110	100	126*					
0408024-04A	RA	106	97	124*					
MB-1829-30-1	MBLK	100	100	101					

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

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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID: 0408024-01D

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	8/6/2004 1:19:31 AM	OPTIMA3300_040805C	SDP
Calcium	141000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	ND		20.0	µg/L	1			
Iron	5720		200	µg/L	1			
Lead	ND		5.00	µg/L	1			
Magnesium	22600		1500	µg/L	1			
Manganese	390		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	6360		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	234000		1500	µg/L	1			
Vanadium	ND		20.0	µg/L	1			
Zinc	ND		20.0	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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID: 0408024-02D

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	8/6/2004 1:43:02 AM	OPTIMA3300_040805C	SDP
Calcium	134000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	ND		20.0	µg/L	1			
Iron	3750		200	µg/L	1			
Lead	ND		5.00	µg/L	1			
Magnesium	21800		1500	µg/L	1			
Manganese	323		10.0	µg/L	1			
Nickel	ND		20.0	µg/L	1			
Potassium	6130		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	228000		1500	µg/L	1			
Vanadium	ND		20.0	µg/L	1			
Zinc	ND		20.0	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 above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

Metals, TAL by ICP Method 6010B
Sample ID: MB-200403113

Run Batch ID: OPTIMA3300_040805C

Client Sample ID:

SeqNo: 1004343

Analysis Date: 8/6/2004 1:07:43 AM

Prep Batch ID: 200403113

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 8/4/2004

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

Aluminum	ND	25.20	200.0								
Calcium	ND	175.0	1500								
Cobalt	ND	0.5850	20.00								
Copper	ND	3.340	20.00								
Iron	ND	46.40	200.0								
Lead	ND	4.650	5.000								
Magnesium	ND	30.00	1500								
Manganese	ND	1.340	10.00								
Nickel	ND	1.610	20.00								
Potassium	ND	149.0	1500								
Silver	ND	1.180	10.00								
Sodium	ND	47.30	1500								
Vanadium	ND	2.960	20.00								
Zinc	ND	1.850	20.00								

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
RL - Reporting Limit
D - Diluted due to matrix or extended target compounds
J - Estimated value
ND - Not Detected at the Reporting Limit
NC - Not Calculated
R - RPD outside recovery limits
S - Surrogate I - Internal Standard
Analyte Types: S - Surrogate I - Internal Standard



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Matrix Spike

Metals, TAL by ICP Method 6010B
Sample ID: 0408024-01DS

Client Sample ID: AS Influent
SeqNo: 1004346
Analysis Date: 8/6/2004 1:25:27 AM
Prep Batch ID: 200403113

Units: µg/L
DF: 1 DL_No: 1
Prep Date: 8/4/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	894.4	25.20	200.0	1000	0	89	75	125			
Calcium	136200	175.0	1500	10000	140800	-46	75	125			M
Cobalt	957.6	0.5850	20.00	1000	0	96	75	125			
Copper	987.2	3.340	20.00	1000	18.89	97	75	125			
Iron	14740	46.40	200.0	10000	5721	90	75	125			
Lead	950.1	4.650	5.000	1000	0	95	75	125			M
Magnesium	29610	30.00	1500	10000	22600	70	75	125			
Manganese	1316	1.340	10.00	1000	389.8	93	75	125			
Nickel	962.6	1.610	20.00	1000	1.699	96	75	125			
Potassium	15310	149.0	1500	10000	6364	89	75	125			
Silver	45.56	1.180	10.00	50.00	0	91	75	125			
Sodium	223200	47.30	1500	10000	234000	-108	75	125			M
Vanadium	950.0	2.960	20.00	1000	3.238	95	75	125			
Zinc	948.2	1.850	20.00	1000	6.724	94	75	125			

Qualifier Definitions:

* - Recovery outside QC limits
DNI - Did not Ignite
M - Matrix Spike Recovery outside limits
NP - Petroleum Pattern is not present
Footnotes: 1 - Represents RSD Limit for Quad Analysis
B - Analyte found in Method blank
E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
P - Post Spike Recovery outside limits
RL - Reporting Limit
D - Diluted due to matrix or extended target compounds
J - Estimated value
ND - Not Detected at the Reporting Limit
NC - Not Calculated
R - RPD outside recovery limits
Analyte Types: S - Surrogate I - Internal Standard



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Metals, TAL by ICP Method 6010B

Sample ID: 0408024-01DS1 Client Sample ID: AS Influent

Run Batch ID: OPTIMA3300_040805C SeqNo: 1004347 Analysis Date: 8/6/2004 1:31:19 AM

Prep Batch ID: 200403113

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 8/4/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	898.2	25.20	200.0	1000	0	90	75	125	0.4	20	
Calcium	140700	175.0	1500	10000	140800	-1	75	125	195.3	20	MR
Cobalt	973.1	0.5850	20.00	1000	0	97	75	125	1.6	20	
Copper	994.1	3.340	20.00	1000	18.89	98	75	125	0.7	20	
Iron	14970	46.40	200.0	10000	5721	93	75	125	2.6	20	
Lead	959.8	4.650	5.000	1000	0	96	75	125	1.0	20	
Magnesium	30300	30.00	1500	10000	22600	77	75	125	9.4	20	
Manganese	1351	1.340	10.00	1000	389.8	96	75	125	3.7	20	
Nickel	975.6	1.610	20.00	1000	1.699	97	75	125	1.3	20	
Potassium	15700	149.0	1500	10000	6364	93	75	125	4.4	20	
Silver	45.57	1.180	10.00	50.00	0	91	75	125	0.0	20	
Sodium	227200	47.30	1500	10000	234000	-68	75	125	45.4	20	MR
Vanadium	957.9	2.960	20.00	1000	3.238	95	75	125	0.8	20	
Zinc	953.2	1.850	20.00	1000	6.724	95	75	125	0.5	20	

Qualifier Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- NC - Not Calculated
- R - RPD outside recovery limits
- Analyte Types: S - Surrogate I - Internal Standard
- DF - Dilution Factor



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike

Metals, TAL by ICP Method 6010B

Client Sample ID:

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Sample ID: LCS-200403113

Run Batch ID: OPTIMA3300_040805C

Prep Batch ID: 200403113

Prep Date: 8/4/2004

Analysis Date: 8/6/2004 1:13:36 AM

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	975.4	25.20	200.0	1000	0	98	80	120			
Calcium	10290	175.0	1500	10000	0	103	80	120			
Cobalt	1083	0.5850	20.00	1000	0	108	80	120			
Copper	1015	3.340	20.00	1000	0	102	80	120			
Iron	10430	46.40	200.0	10000	0	104	80	120			
Lead	1056	4.650	5.000	1000	0	106	80	120			
Magnesium	10140	30.00	1500	10000	0	101	80	120			
Manganese	1064	1.340	10.00	1000	0	106	80	120			
Nickel	1084	1.610	20.00	1000	0	108	80	120			
Potassium	10110	149.0	1500	10000	0	101	80	120			
Silver	47.47	1.180	10.00	50.00	0	95	80	120			
Sodium	10130	47.30	1500	10000	0	101	80	120			
Vanadium	1031	2.960	20.00	1000	0	103	80	120			
Zinc	1021	1.850	20.00	1000	0	102	80	120			

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 D - Diluted due to matrix or extended target compounds
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 R - RPD outside recovery limits
 Analyte Types: S - Surrogate I - Internal Standard
 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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID: 0408024-01D

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	8/5/2004 9:29:36 AM	LEEMAN_040805A	JLS

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID: 0408024-02D

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	8/5/2004 9:34:20 AM	LEEMAN_040805A	JLS

Definitions:

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

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

- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

Mercury Analysis in Water by Method 7470A

Sample ID: **MB-200403116** Client Sample ID:

Run Batch ID: **LEEMAN_040805A** SeqNo: **1003611**

Analysis Date: **8/5/2004 9:26:28 AM**

Prep Batch ID: **200403116**

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

Prep Date: **8/4/2004**

Analyte Type / Name

Result **ND** MDL **0.05440** RL **0.2000**

Spike Value **0.2000**

Orig Result **%REC** LowLimit

HighLimit

RPD RPD Limit 1 Qual

Test Code: **1_7470A_HG_W**

Units: **µg/L**

Mercury

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit

- D - Diluted due to matrix or extended target compounds
- DF - Dilution Factor
- J - Estimated value
- NC - Not Calculated
- R - RPD outside recovery limits
- S - Surrogate
- I - Internal Standard

- ND - Not Detected at the Reporting Limit

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



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Mercury Analysis in Water by Method 7470A

Sample ID: 0408024-01DS Client Sample ID: AS Influent

Run Batch ID: LEEMAN_040805A SeqNo: 1003612 Analysis Date: 8/5/2004 9:30:56 AM

Analyte Type / Name

Mercury

Test Code: 1_7470A_HG_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 8/4/2004

Prep Batch ID: 200403116

Result	MDL	Analysis Date	HighLimit	LowLimit	RPD	RPD Limit	Qual
1.010	0.05440	8/5/2004 9:30:56 AM	1.000	0.2000	0	101	80
							120

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)
- 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 Analyte Types: S - Surrogate I - Internal Standard



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Mercury Analysis in Water by Method 7470A

Sample ID: 0408024-01DS1 Client Sample ID: AS Influent

Run Batch ID: LEEMAN_040805A SeqNo: 1003613

Analysis Date: 8/5/2004 9:32:12 AM

Prep Batch ID: 200403116

DF: 1 DL_No: 1

Prep Date: 8/4/2004

Analyte Type / Name

Result MDL

RL Spike Value

Orig Result

%REC

LowLimit

HighLimit

RPD

RPD Limit 1

Mercury

1.001 0.05440

0.2000

1.000

0

100

80

120

0.8

20

Test Code: 1_7470A_HG_W

Units: µg/L

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level

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

Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results
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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike

Mercury Analysis in Water by Method 7470A

Sample ID: **LCS-200403116** Client Sample ID:

Run Batch ID: **LEEMAN_040805A**

SeqNo: **1003610**

Analysis Date: **8/5/2004 9:28:16 AM**

Prep Batch ID: **200403116**

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

Prep Date: **8/4/2004**

Analyte Type / Name

Result

MDL

RL

Spike Value

Orig Result

%REC

HighLimit

RPD

RPD Limit 1

Mercury

1.032

0.05440

0.2000

1.000

0

103

80

120

Test Code: **1_7470A_HG_W**

Units: **µg/L**

Qualifier 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 above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level)

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

S - Surrogate **I** - Internal Standard

GENERAL ANALYTICAL CHEMISTRY



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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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID 0408024-01D

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)	458		1.00	mg/L	1	8/4/2004	WC_HARDNESS_040804A	MGR

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

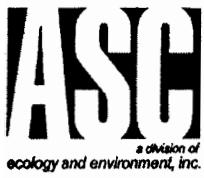
D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID 0408024-02D

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)	432		1.00	mg/L	1	8/4/2004	WC_HARDNESS_040804A	MGR

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

Hardness, Total by Method EPA 130.2

Sample ID **MB-040804181** Client Sample ID:

Run Batch ID: **WC_HARDNESS_040804A** SeqNo: **1003420** Analysis Date **8/4/2004**

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

Hardness (As CaCO3) ND 1.000 1.000

Test Code: **1_130.2_HARD_W**

Units: mg/L

DF: 1 DL_No: 1

Prep Date **8/4/2004**

Prep Batch ID: **040804181R**

Qualifier 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 above quantitation limit (high standard or ICP linea
- 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
Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

OC SUMMARY REPORT

Sample Duplicate

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

Hardness, Total by Method EPA 130.2

Sample ID **0407208-05A** Client Sample ID: **7505**

Run Batch ID: **WC_HARDNESS_040804A** SeqNo: **1003423** Analysis Date **8/4/2004**

Analyte Type / Name: **Hardness (As CaCO3)** Result: **230.9** MDL: **1.000** RL: **1.000** Spike Value: **232.7** %REC: **1.000** LowLimit: **1.000** HighLimit: **20** RPD Limit: **1** Qual: **1**

Test Code: **1_130.2_HARD_W**

Units: mg/L

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

Prep Date: **8/4/2004**

RPD: **0.8**

RPD Limit: **20**

Qualifier 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 above quantitation limit (high standard or ICP linea
- 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 **ANALYTE TYPES:** **S** - Surrogate **I** - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Duplicate

Hardness, Total by Method EPA 130.2

Sample ID: 0408024-02D Client Sample ID: AS Effluent

Run Batch ID: WC_HARDNESS_040804A SeqNo: 1003426 Analysis Date: 8/4/2004

Analyte Type / Name

Hardness (As CaCO3)

Result: 420.4 MDL: 1.000

RL: 1.000 Spike Value: 431.7

DF: 1 DL_No: 1
 Prep Date: 8/4/2004
 HighLimit: RPD
 LowLimit: RPD
 %REC: RPD
 Orig Result: RPD
 Units: mg/L

Test Code: 1_130.2_HARD_W

Qualifier 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 above quantitation limit (high standard or ICP line)
- 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
- S - Surrogate
- I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis



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Laboratory Results

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Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

Hardness, Total by Method EPA 130.2

Sample ID **LCS-040804181**

Client Sample ID:

Run Batch ID: **WC_HARDNESS_040804A**

SeqNo: **1003421**

Analysis Date **8/4/2004**

Prep Batch ID: **040804181R**

Analyte Type / Name

Result

RL

Spike Value

Orig Result

%REC

LowLimit

HighLimit

RPD

RPD Limit

1

Qual

Hardness (As CaCO3)

1.000

1.000

100.0

0

96

90

110

Test Code: **1_130.2_HARD_W**

Units: mg/L

DF: 1 DL_No: 1

Prep Date **8/4/2004**

Qualifier 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 above quantitation limit (high standard or ICP linea

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

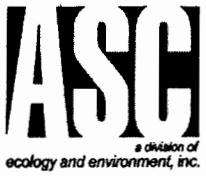
DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

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

Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID 0408024-01B

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)	1300		10	mg/L	1	8/6/2004	SARTORIUS_TDS_040806	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

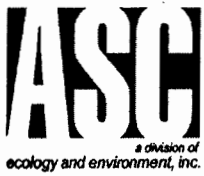
D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID 0408024-02B

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	8/6/2004	SARTORIUS_TDS_040806	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

Total Dissolved Solids (TDS) by method 160.1

Sample ID **MB-040806144** Client Sample ID:
Run Batch ID: **SARTORIUS_TDS_040806A** SeqNo: **1007034** Analysis Date **8/6/2004**
Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit

Test Code: **1_160.1_TDS_W** Units: mg/L
DF: 1 DL_No: 1
Prep Date **8/6/2004**
Prep Batch ID: **040806144R** RPD RPD Limit 1 Qual

Total Dissolved Solids (Residue, Filterable) ND 10.00 10.00

Qualifier 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 above quantitation limit (high standard or ICP linea
- 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 S - Surrogate I - Internal Standard Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Duplicate

Total Dissolved Solids (TDS) by method 160.1

Sample ID **0408033-01E** Client Sample ID: **TW06274**

Run Batch ID: **SARTORIUS_TDS_040806A** SeqNo: **1007040** Analysis Date **8/6/2004**

Analyte Type / Name Result MDL

Total Dissolved Solids (Residue, Filterable) 450.0 10.00 10.00

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

Units: mg/L

DF: 1 DL_No: 1

Prep Date **8/6/2004**

HighLimit RPD RPD Limit 1 Qual

444.0 1.3 20

Qualifier Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

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

B - Analyte found in Method blank

E - Result above quantitation limit (high standard or ICP linea

N - Single Column Analysis

P - Post Spike Recovery outside limits

Analyte Types: S - Surrogate I - Internal Standard

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike

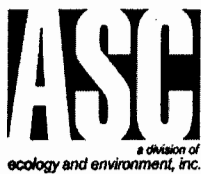
Total Dissolved Solids (TDS) by method 160.1

Sample ID **LCS-040806144** Client Sample ID: **160.1_TDS_W** Units: mg/L
Run Batch ID: **SARTORIUS_TDS_040806A** SeqNo: **1007035** Analysis Date **8/6/2004** Prep Batch ID: **040806144R** Prep Date **8/6/2004**
Analyte Type / Name **Total Dissolved Solids (Residue, Filterable)** Result **264.0** MDL **10.00** RL **10.00** Spike Value **222.0** Orig Result **0** %REC **119** LowLimit **80** HighLimit **120** RPD **RPD Limit 1** Qual

DF: 1 DL_No: 1

Qualifier 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 above quantitation limit (high standard or ICP line)
- 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
- S - Surrogate
- I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the 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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID 0408024-01B

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)	13		4.0	mg/L	1	8/6/2004	SARTORIUS_TSS_040806	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

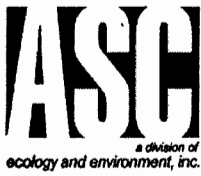
D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID 0408024-02B

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)	6.0		4.0	mg/L	1	8/6/2004	SARTORIUS_TSS_040806	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

Total Suspended Solids (TSS) by method 160.2
 Sample ID **MB-040806145** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040806A** SeqNo: **1007011** Analysis Date **8/6/2004** RL **4.000**
 Analyte Type / Name Result MDL

Total Suspended Solids (Residue, Non-Filterabl) ND 4.000 4.000

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

Units: mg/L
 DF: 1 DL_No: 1
 Prep Date **8/6/2004**
 RPD RPD Limit 1 Qual

Prep Batch ID: **040806145R**
 %REC LowLimit HighLimit

Spike Value Orig Result

Qualifier Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP linea
- 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
- Analyte Types: S - Surrogate I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit



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Laboratory Results

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CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Duplicate

Total Suspended Solids (TSS) by method 160.2

Sample ID: 0407208-02A Client Sample ID: 7502

Run Batch ID: SARTORIUS_TSS_040806A SeqNo: 1007025 Analysis Date: 8/6/2004

Analyte Type / Name

Result: 87.00 MDL: 4.000 RL: 4.000

Spike Value: 78.00 %REC: 78.00 LowLimit: 4.000 HighLimit: 4.000

DF: 1 DL_No: 1
Prep Date: 8/6/2004
RPD: 10.9 RPD Limit: 20

Test Code: 1_160.2_TSS_W

Units: mg/L

Total Suspended Solids (Residue, Non-Filterabl

Qualifier 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 above quantization limit (high standard or ICP linea
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

Analyte Types: S - Surrogate I - Internal Standard



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CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Duplicate

Total Suspended Solids (TSS) by method 160.2

Sample ID: 0408033-01E Client Sample ID: TW06274

Run Batch ID: SARTORIUS_TSS_040806A SeqNo: 1007017 Analysis Date: 8/6/2004

Analyte Type / Name: Total Suspended Solids (Residue, Non-Filterabl) Result: ND MDL: 4.000 RL: 4.000

Prep Batch ID: 040806145R Spike Value: 0

DF: 1 DL_No: 1
Prep Date: 8/6/2004
HighLimit: RPD LowLimit: RPD RPD Limit: 1 Qual: NC 20

Test Code: 1_160.2_TSS_W

Units: mg/L

Qualifier Definitions:

- * - Recovery outside QC limits
- DNT - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result above quantitation limit (high standard or ICP line)
- 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
Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

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Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Total Suspended Solids (TSS) by method 160.2

Sample ID **LCS-040806145** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040806A** SeqNo: **1007012** Analysis Date **8/6/2004**

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

Total Suspended Solids (Residue, Non-Filterabl 307.0 4.000 4.000 261.0 0 118 80 120

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

Units: mg/L

DF: 1 DL_No: 1

Prep Date **8/6/2004**

Prep Batch ID: **040806145R**

RPD RPD Limit 1 Qual

Qualifier Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

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

B - Analyte found in Method blank

E - Result above quantitation limit (high standard or ICP linea

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

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the 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: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:33:00 AM % Moist:

Lab ID 0408024-01C

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	ND		0.01	mg/L	1	8/13/2004 3:56:32 PM	LACHAT_CN_040812B	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0408024

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 8/3/2004 9:44:00 AM % Moist:

Lab ID 0408024-02C

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	ND		0.01	mg/L	1	8/13/2004 3:59:23 PM	LACHAT_CN_040812B	LMW

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

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CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

Cyanide, Total by Method 9012A

Sample ID **MB-200403248** Client Sample ID: **1_9012A_CN_W** Units: mg/L
 Run Batch ID: **LACHAT_CN_040812B** SeqNo: **1009143** Analysis Date: **8/13/2004 3:52:41 PM** Prep Batch ID: **200403248** DF: **1** DL_No: **1**
 Analyte Type / Name: **Cyanide** Result: **ND** MDL: **0.003130** RL: **0.01000** Spike Value: **0.01000** Orig Result: **0.01000** HighLimit: **RPD** LowLimit: **RPD** Prep Date: **8/12/2004** RPD Limit: **1** Qual: **Qual**

Qualifier Definitions:

* - Recovery outside QC limits
 DNT - Did not Ignite
 M - Matrix Spike Recovery outside limits
 NP - Petroleum Pattern is not present
 B - Analyte found in Method blank
 E - Result above quantitation limit (high standard or ICP line)
 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
 S - Surrogate
 I - Internal Standard
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0408024

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Cyanide, Total by Method 9012A

Sample ID: 0408024-01CS

Client Sample ID: AS Influent

Test Code: 1_9012A_CN_W

Units: mg/L

Run Batch ID: LACHAT_CN_040812B

SeqNo: 1009144

Analysis Date: 8/13/2004 3:57:29 PM

Prep Batch ID: 200403248

DF: 1

DL_No: 1

Prep Date: 8/12/2004

Analyte Type / Name

Result

RL

Spike Value

%REC

LowLimit

HighLimit

RPD

RPD Limit

Qual

Cyanide

0.09199

0.01000

0.1000

0

92

82

122

Qualifier 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 above quantitation limit (high standard or ICP linea

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

Analyte Types: S - Surrogate I - Internal Standard

CO



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Cyanide, Total by Method 9012A

Sample ID: 0408024-01CS1 Client Sample ID: AS Influent

Run Batch ID: LACHAT_CN_040812B SeqNo: 1009145 Analysis Date: 8/13/2004 3:58:26 PM

Prep Batch ID: 200403248

Analyte Type / Name

Result: 0.1073 MDL: 0.003130

RL: 0.01000 Spike Value: 0.1000

%REC: 0 Orig Result: 0

HighLimit: 122 LowLimit: 82

RPD Limit: 1 Qual: 20

Test Code: 1_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date: 8/12/2004

Qualifier 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 above quantitation limit (high standard or ICP line)
- 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
Analyte Types: S - Surrogate I - Internal Standard

CO



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike

Cyanide, Total by Method 9012A

Sample ID: **LCS-200403248** Client Sample ID: **1_9012A_CN_W** Units: mg/L
Run Batch ID: **LACHAT_CN_040812B** SeqNo: **1009140** Analysis Date: **8/13/2004 3:54:37 PM** Prep Batch ID: **200403248** DF: **1** DL_No: **1**
Analyte Type / Name: **Cyanide** Result: **0.4519** MDL: **0.003130** RL: **0.01000** Spike Value: **0.4000** Orig Result: **0** %REC: **113** LowLimit: **82** HighLimit: **122** RPD: **122** RPD Limit: **1** Qual

Qualifier 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 above quantitation limit (high standard or ICP line)
- 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
- S - Surrogate
- I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis

QC



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

CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike - High (Water)

Cyanide, Total by Method 9012A

Sample ID: **LCSH-200403248** Client Sample ID:

Run Batch ID: **LACHAT_CN_040812B** SeqNo: **1009142** Analysis Date: **8/13/2004 3:55:34 PM** Prep Batch ID: **200403248**

Analyte Type / Name: **Cyanide** Result: **0.4769** MDL: **0.003130** RL: **0.01000** Spike Value: **0.5000** %REC: **0** HighLimit: **90** LowLimit: **95** RPD: **110**

Test Code: **1_9012A_CN_W**

Units: **mg/L**

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

Prep Date: **8/12/2004**

RPD: **RPD Limit 1 Qual**

Qualifier 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 above quantitation limit (high standard or ICP linea
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit

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

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 Phone: (716) 685-8080

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CLIENT: E and E Buffalo Office
Work Order: 0408024
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Laboratory Control Spike - Low (Water)

Cyanide, Total by Method 9012A

Sample ID: LCSL-200403248 Client Sample ID: Test Code: 1_9012A_CN_W Units: mg/L
 Run Batch ID: LACHAT_CN_040812B SeqNo: 1009141 Analysis Date: 8/13/2004 3:53:39 PM Prep Batch ID: 200403248 DF: 1 DL_No: 1
 Analyte Type / Name: Cyanide Result: 0.09814 MDL: 0.003130 RL: 0.01000 Spike Value: 0.1000 %REC: 0 Orig Result: 0 LowLimit: 88 HighLimit: 90 RPD Limit 1: 110 Qual: *

Qualifier 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 above quantitation limit (high standard or ICP linea
 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
 S - Surrogate
 I - Internal Standard
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis

Attachment C

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

October 2003 to August 2004

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

NYSDEC Work Assignment #27.3

ATTACHMENT C

12 Months of System Operation and Maintenance

Budget Remaining:	Electric:	-\$6,869.54
	Telephone:	-\$31.96
	Total:	-\$6,901.50

O&M Months Remaining: 2

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	840	840	100.00%	47%	
August-04	672	672	100.00%	42%	
September-04					Equipment shutdown- low flow of water to air stripper - 5/17-24/04
October-04					Individual pumps shutdown for inspection and cleaning
Totals to Date	7488	7298	97.46%		100% operational

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

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

	Ave./Month	12 months
Electric	\$ 1,889.99	
Gas	\$ 79.94	
Telephone	\$ 45.05	
Total	\$ 2,014.98	\$24,179.82