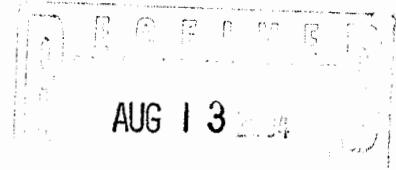




ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER

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



August 11, 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
July 2004 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this July 2004 Operation and Maintenance (O&M) Report for the Mr. C's Dry Cleaners Site, Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from E&E's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. The analytical data packages from EEEPC's Analytical Services Center (ASC) from July 12, 2004 and July 22, 2004 are provided as Attachments B and C. All analytical results for the report were analyzed at the lowest detection limits.

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

Operational Summary

- No treatment system shutdown occurred between 06/22/04 to 07/26/04.
- The system was operational for 100% of the period between 06/22/04 and 07/26/04. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The influent totalizer for the month of July 2004 indicates that approximately 1,858,790 gallons of groundwater were processed through the treatment system from 06/22/04 to 07/26/04. Table 2 provides a summary of groundwater volume treated to date. Historical volumes are based on influent totalizer readings provided by the previous contractor's weekly inspection forms.

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

Month (reporting hours)	Operational Up-time (%) ¹
September 2002 (576) 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%

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 07/12/04 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 06/28/04, 07/06/04, 07/12/04, 07/19/04, and 07/26/04 with 100-micron and 50-micron filters in series. Flow rate dramatically increased as a result.

- On 07/06/04, the demister pad and three water jets in the stripper unit were checked by R. Becken and were clean. It was noted that if any extensive work needs to be performed on the stripper unit the carbon units would need to be removed.
- R. Becken on 07/12/04 removed the effluent flow meter from the discharge pipe and cleaned the meter, but the meter impeller would not spin. R. Becken noted that a new meter is necessary. M. Steffan directed OMEI to purchase and install a new effluent meter. OMEI to provide shop drawings of the meter for approval.
- R. Becken on 07/19/04 cut top of PZ-6D so a well cap could be placed on it. PW-8 pump was not operating, so R. Becken changed the pump and installed a new power lead on it.
- R. Becken on 07/26/04 repaired damage done to PZ-6D on 07/19/04. The top of the inner casing of the well is now 3" lower than it was previously.
- Checklists for weekly system inspections from OMEI are provided as Attachment A for 07/6/04, 07/12/04, 07/19/04, and 07/26/04. 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 D.

Analytical Summary - Groundwater

- EEEPC and OMEI personnel sampled influent and effluent groundwater on Tuesday, July 12, 2004. A second sample for effluent compliance was taken on Thursday, July 22, 2004. The groundwater samples were analyzed for volatile organic compounds (VOCs), metals, total suspended solids (TSS), total dissolved solids (TDS), and hardness. At the request of the Department the lowest possible detection limits were used for the analysis.
- The results are discussed below. The only VOCs detected in the influent groundwater during the July 12, 2004 sampling event analyzed at the lower detection limit of 1.0 ug/L were: 1,1,1-Trichloroethene (estimated value - 0.621 ug/L), 1,1-Dichloroethane (estimated value - 0.385 ug/L), 1,1-Dichloroethene (estimated value - 0.278 ug/L), Chloroform (estimated value - 0.595 ug/L), cis-1,2-Dichloroethene - 5.25 ug/L, Methyl tert-butyl ether (MTBE) - 15.6 ug/L, Tetrachloroethene (PCE) - (estimated 1410 ug/L - initial results exceeded the highest calibration standard), Trichloroethene - 40.9 ug/L, Vinyl chloride - (estimated value - 0.123 ug/L). As a result of the high estimated result obtained with Tetrachloroethene, a duplicate analysis was run at a higher detection limit to quantify the results. The duplicate analysis with the detection limits at 50 ug/L and within the surrogate recovery range indicated the results to be 1270 ug/L.
- The results of the VOCs contaminants detected in the effluent groundwater samples at the July 12, 2004 sampling event, also extracted at the lowest detection level of 1.0 ug/L indicated the only contaminant found was Tetrachloroethene at 2.05 ug/L. The concentration of PCE in the effluent

groundwater did not exceed the Daily Maximum Effluent Discharge Compliance Concentration of 10.0 µg/L listed on Table 3.

- The results of the VOCs contaminants detected in the effluent groundwater samples at the July 22, 2004 sampling event, also extracted at the lowest detection level of 1.0 ug/L indicated the contaminants found were: MTBE at 3.20 ug/L, Tetrachloroethene at 4.34 µg/L, and Trichloroethene – (estimated value – 0.227 ug/L). The concentration of PCE in the effluent groundwater did not exceed the Daily Maximum Effluent Discharge Compliance Concentration of 10.0 µg/L listed on Table 4.
- A comparison between the July 12, 2004 and July 22, 2004 analytical values and the Effluent Limitation Requirements are set forth in Tables 3 and 4.
- Approximately 20.3 pounds of VOCs were removed from the influent groundwater based on comparison with the effluent discharge of July 12, 2004. The calculated removal volumes are located in Table 5. These values are calculated based on influent totalizer readings and assumes that non-detect values given in the analytical data package = 0 µg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire month of July 2004.
- The treated groundwater effluent results for metals were all in compliance with the Effluent Limitation Requirements for the July 12, 2004 analyses. 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 1100 mg/L during the month of July 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.
- For the July 22, 2004 analytical results indicated all VOC contaminants to be compliance from the previous sampling results. Total Dissolved Solids (TDS) still remained above the compliance daily maximum at 1100 mg/L. Also noted was that iron was above the daily maximum criteria for the first time at 1710 ug/L. The only explanation for this divergence from the established criteria levels would be that some of the iron film build-up on the stripper could have dislodged during the sampling event. The result will be reported to OMEI for evaluation.

Analytical Summary - Air

- EEEPC and OMEI personnel sampled the air stripper exhaust before and after the granular activated carbon (GAC) vessels on July 12, 2004. Air samples were collected using pre-evacuated SUMMA canisters calibrated to continuously collect a one-hour sample.
- The only VOCs detected in the influent air samples were: Benzene (estimated value – 4.80 ppbv), cis-1,2-Dichloroethene (estimated value – 13.2 ppbv), Tetrachloroethene – estimated 1720 ppbv (initial results exceeded the highest calibration standard), Trichloroethene – (estimated value - 67.5 ppbv), Trichlorofluoromethane – (estimated value 5.42 ppbv). The duplicate analysis

Mr. David Chiusano, Project Manager

August 11, 2004

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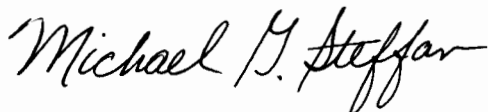
within the surrogate recovery range indicated the results of Tetrachloroethene to be 1810 ppbv, and Trichloroethene at 49.4 ppbv.

- VOCs detected in the effluent air samples after treatment were: 1,1 – Dichloroethane – (estimated value – 0.754 ppbv), 1,1-Dichloroethene – (estimated value – 0.707 ppbv), 1,2,4-Trimethylbenzene – (estimated value – 1.06 ppbv), Benzene – (estimated value – 0.287 ppbv), Chloromethane – (estimated value – 1.08 ppbv), Dichlorodifluoromethane – (estimated value – 1.47 ppbv), Methylene chloride – (estimated value – 1.38 ppbv), Tetrachloroethene – 10.5 ppbv, trans-1,2-Dichloroethene – (estimated value – 1.27 ppbv), and Trichlorofluoromethane – (estimated value - 1.38 ppbv). The results stated above and in Table 6 indicate approximately 99% 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 5.09 lbs of VOCs removed during the July 2004 reporting period. All other VOCs were below the detection limit.

In July, EEEPC provided a preliminary evaluation of the effectiveness of the granular activated carbon units on the influent / effluent air cleanup as a part of the treatment system.. The evaluation indicated that Tetrachloroethene on the effluent discharge was still a problem, but additional dispersion modeling will be performed to justify removal of the units.

If you have any questions regarding the July 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
TOTAL GALLONS		45,268,788

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 July 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	July 12, 2004 Effluent Analytical Values ²
Flow	216,000	gpd	53,108
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	2.05
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	291
Aluminum	4,000	ug/L	ND
Copper	48	ug/L	ND
Lead	11	ug/L	ND
Manganese	2,000	ug/L	201
Silver	100	ug/L	ND
Vanadium	28	ug/L	ND
Zinc	230	ug/L	ND
Total Dissolved Solids	850	mg/L	1100
Total Suspended Solids	20	mg/L	6
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 monthly samples collected 07/12/04 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 July 2004 divided into the starting and ending totalizer reading.
- ** Total Xylenes were non-detect for July 2004.

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

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

Parameter	Daily Maximum ¹	Units	July 22, 2004
			Effluent Analytical Values ²
Flow	216,000	gpd	53,108
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	0.227 J
Tetrachloroethene	10	ug/L	4.34
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	1710
Aluminum	4,000	ug/L	ND
Copper	48	ug/L	ND
Lead	11	ug/L	ND
Manganese	2,000	ug/L	432
Silver	100	ug/L	ND
Vanadium	28	ug/L	ND
Zinc	230	ug/L	ND
Total Dissolved Solids	850	mg/L	1100
Total Suspended Solids	20	mg/L	22
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 July 2004 divided into the starting and ending totalizer reading.
- ** Total Xylenes were non-detect for July 2004.



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

Table 5
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
Total pounds of VOCs removed from inception =				732.0

NOTES:

- Calculations are based on monthly water samples and assumes samples are representative of the entire period.
- Calculations assume that non-detect values = 0 ug/L.
- Calculations are based on influent totalizer readings.
- "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- No samples were collected in September 2003. August 2003 values are used.
- Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- Treatment system operated by O&M Enterprises from 10/03 to present.
- Based on the July 12, 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: $1313 \text{ ug/L} * (1\text{g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,858,790 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 20.37\text{lbs}$

Effluent: $3.6 \text{ ug/L} * (1\text{g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,858,790 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 0.06\text{lbs}$

Net Cleanup: July '04 20.31 lbs

where, 1313 ug/L is the summation of VOC's detected on the influent groundwater and 1,858,790 gallons is the monthly process water volume.

Table 6
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)	Exhaust Concentration (Post-GAC) ² (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	0.754 J	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloroethane	98.96	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloropropane	112.99	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,3-Dichlorobenzene	147.00	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,4-Dichlorobenzene	147.01	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Benzene	78.11	ND	0.287 J	NA	0.0	0	0.00	0	0.00	0.00
Benzyl chloride	126.59	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Bromomethane	94.95	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Carbon tetrachloride	153.82	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Chlorobenzene	112.56	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
cis-1,2-Dichloroethylene	96.94	ND	21.5	0%	0.0	0	0.00	0	0.00	0.00
cis-1,3-Dichloropropene	110.97	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Dichlorodifluoromethane	120.91	ND	1.47J	NA	0.0	0	0.00	0	0.00	0.00
Hexachlorobutadiene	260.7	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Tetrachloroethene	165.83	1810	10.5	99%	1799.5	1.7995	12402.51	2.259E+09	2258545.26	4.98
Toluene	92.13	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Trichloroethylene	131.4	49.4	ND	100%	49.4	0.0494	269.78	49128800	49128.80	0.11
Vinyl Chloride	62.5	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Methylene Chloride	84.93	ND	1.38 J	NA	0.0	0	0.00	0	0.00	0.00
Chloromethane	50.49	ND	1.08 J	NA	0.0	0	0.00	0	0.00	0.00
Chloroethane	65.51	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dibromoethane	187.88	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichlorobenzene	147.01	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Styrene	104.15	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,1,2,2-Tetrachloroethane	167.85	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Trichlorofluoromethane	137.38	ND	1.38 J	NA	0.0	0	0.00	0	0.00	0.00
1,1-Dichloroethylene	96.94	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Chloroform	119.38	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,1,1-Trichloroethane	133.41	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloroethane	133.41	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
m,p-Xylene	106.16	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
o-Xylene	106.16	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Xylene (total)	318.50	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trimethylbenzene	120.19	ND	1.08 J	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trichlorobenzene	181.46	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
Ethylbenzene	106.17	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
1,3,5-Trimethylbenzene	120.19	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
trans-1,2-Dichloroethene	96.94	ND	1.27 J	NA	0.0	0	0.00	0	0.00	0.00
trans-1,3-Dichloropropene	110.97	ND	ND	NA	0.0	0	0.00	0	0.00	0.00
TOTAL =										5.09

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

Notes

- "J" values are included in above calculations. The detection limit on the duplicate analysis of the effluent was 400.
- "J" values are an estimated value indicating that the compound was detected by the laboratory below the practical quantitation limit, but above the method detection limit. The detection limit on the effluent was 5.
- Less than values (<) list the practical quantitation limit and indicate that the compound was not detected.
- Above calculations assume that non-detect values (<) = 0 ug/m³
- All other compounds were non-detect.
- 500 SCFM is the assumed average influent flowrate, based on weekly manometer readings
- NA = Not Applicable
- Revised calculation based on the following equation:
- Assuming that blowers are only operating 50% of the total monthly reporting period time.

Conversions

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

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

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

Attachment A
Weekly Inspection Reports
July 2004

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

Date/Time 7/6/04 9:25

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions cloudy 63 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>16</u>	ft
PW-2	(ON)	OFF	<u>5</u>	ft
PW-3	(ON)	OFF	<u>6</u>	ft
PW-4	(ON)	OFF	<u>7</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>4</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 38.57 gpm

Influent Totalizer Reading 7449985 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22 \ 15 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 _____ 0.13 inches H₂O

Air stripper vacuum _____ 23 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 3 psi

Effluent flow rate _____ 113.3 gpm

Effluent Totalizer reading _____ 882431 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 72 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 0

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

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

Were manholes inspected? YES (NO)

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Describe any other system maintenance performed
Changed filters, after which influent flow increased to 111 gpm.
Soaked up condensation from drip tray under the filter units.
Opened top tray of stripper unit to check demister pad and water nozzles or jets
found the following:
1. This is not a one man job (2 to 3 would be more appropriate).
2. The demister pad is clean.
3. The water nozzles or jets are clean (there are three of them).
4. Tyree did not glue the large PVC pipe fitting which in this case helped.
5. If anything needs to be done on the stripper unit the carbon units will have to
be removed.

Signature Richard C. Becker

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

Date/Time 7/12/04 9:00

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions cloudy 75 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>16</u>	ft
PW-2	(ON)	OFF	<u>7</u>	ft
PW-3	(ON)	OFF	<u>3</u>	ft
PW-4	(ON)	OFF	<u>6</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>4</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	(ON)	OFF	<u>4</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 36.71 gpm

Influent Totalizer Reading 7880914 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22 \ 12 psi

Bag filter bottom pressure 4 \ 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 _____ 0.11 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 4 psi

Effluent flow rate _____ 0 gpm

Effluent Totalizer reading _____ 1001593 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 78 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			7.41	1.32	59.1
Air stripper effluent			8.41	0.42	61.5
GAC influent	_____	10:10	NA	NA	
GAC effluent	_____	10:11	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: _____

Effluent flow meter not operating

Describe any other system maintenance performed
~~Changed~~ filters, after which influent flow increased to 113 gpm
~~Soaked up~~ condensation from drip tray under the filter units.
Removed the effluent flow meter from the discharge pipe and cleaned, but the meter impeller is still not spinning. A new meter is necessary.

Signature _____

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

Date 7/12/04

Measurements taken by RC Becken J Mayes

RW-1	<u>17.34</u>	ft	Comments _____
PZ-1A	<u>11.48</u>	ft	Comments _____
PZ-1B	<u>11.12</u>	ft	Comments _____
PZ-1C	<u>12.3</u>	ft	Comments _____
PZ-1D	<u>12.42</u>	ft	Comments _____
PW-2	<u>25.32</u>	ft	Comments _____
PZ-2A	<u>11.08</u>	ft	Comments <u>cut lock to place J plug on well</u>
PZ-2B	<u>11.42</u>	ft	Comments _____
PZ-2C	<u>10.78</u>	ft	Comments _____
PZ-2D	<u>10.9</u>	ft	Comments _____
PW-3	<u>23.3</u>	ft	Comments _____
PZ-3A	<u>11.48</u>	ft	Comments _____
PZ-3B	<u>11.82</u>	ft	Comments _____
PZ-3C	<u>12.04</u>	ft	Comments _____
PZ-3D	<u>11.8</u>	ft	Comments _____
PW-4	<u>20.8</u>	ft	Comments _____
PZ-4A	<u>11.92</u>	ft	Comments _____
PZ-4B	<u>11.4</u>	ft	Comments _____
PZ-4C	<u>11.58</u>	ft	Comments _____
PZ-4D	<u>10.9</u>	ft	Comments _____

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

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

Date 7/12/04 Measurements taken by R Becken J Mayes

PW-5	<u>21.5</u>	ft	Comments _____
PZ-5A	<u>11.05</u>	ft	Comments _____
PZ-5B	<u>11.08</u>	ft	Comments _____
PZ-5C	<u>10.65</u>	ft	Comments _____
PZ-5D	<u>11.46</u>	ft	Comments _____
PW-6	<u>17.7</u>	ft	Comments _____
PZ-6A	<u>11.89</u>	ft	Comments _____
PZ-6B	<u>11.72</u>	ft	Comments _____
PZ-6C	<u>12.98</u>	ft	Comments _____
PZ-6D	<u>11.32</u>	ft	Comments <u>no J plug due to cross bar</u>
PW-7	<u>18.81</u>	ft	Comments _____
PZ-7A	_____	ft	Comments <u>MPI-6S 11.26 new J plug no lock</u>
PZ-7B	<u>12.32</u>	ft	Comments _____
PZ-7C	_____	ft	Comments <u>OW-C 11.78</u>
PZ-7D	<u>11.8</u>	ft	Comments _____
PW-8	_____	ft	Comments _____
PZ-8A	_____	ft	Comments _____
PZ-8B	_____	ft	Comments _____
PZ-8C	_____	ft	Comments _____
PZ-8D	_____	ft	Comments _____

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

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

Date/Time 7/ 19/20 9:00

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions cloudy 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>16</u>	ft
PW-2	(ON)	OFF	<u>7</u>	ft
PW-3	(ON)	OFF	<u>4</u>	ft
PW-4	(ON)	OFF	<u>4</u>	ft
PW-5	(ON)	OFF	<u>6</u>	ft
PW-6	(ON)	OFF	<u>3</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	(ON)	OFF	<u>19</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 27.74 gpm

Influent Totalizer Reading 8315636 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining ~85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22 \ 5 psi

Bag filter bottom pressure 0 \ 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 8 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 0.14 inches H₂O

Air stripper vacuum _____ 22 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 4 psi

Effluent flow rate _____ 0 gpm

Effluent Totalizer reading _____ 1001594 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 70 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 0

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

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

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Describe any other system maintenance performed
Changed filters, afterwhich influent flow increased to 108 gpm.
Soaked up condensation from drip tray under the filter units.
Cut top of PZ-6D (?) so a well cap could be placed on it.
PW-8 pump was not operating so I changed the pump, also installed a new power
lead on it.

Signature Michael Becker

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

Date/Time 7/26/04 8:45

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions light rain 67 degrees

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

If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	<u>15</u>	ft
PW-2	(ON)	OFF	<u>4</u>	ft
PW-3	(ON)	OFF	<u>4</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>7</u>	ft
PW-8	(ON)	OFF	<u>4</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 33.25 gpm

Influent Totalizer Reading 8786024 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 23 / 14 psi

Bag filter bottom pressure Apr-00 psi

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

Influent feed pump in use #1 (#2)

Influent Pump Pressure _____ 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 0.1 inches H₂O

Air stripper vacuum _____ 25 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 7 psi

Effluent flow rate _____ 0 gpm

Effluent Totalizer reading _____ 101594 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 72 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 0

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

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

Were manholes inspected? YES NO

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Describe any other system maintenance performed
Changed filters, afterwhich influent flow increased to 111 gpm.
Soaked up condensation from drip tray under the filter units.
Repaired damage I did to PZ-6D last week, the top of the well is now 3" lower
then it was.

Signature Richard Becker

Attachment B
E&E ASC Analytical Data Package #0407105
July 2004

- **July 12, 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



July 29, 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.: 0407105

Dear Mr. Mike Steffan,

Analytical Services Center received 4 samples on Monday, July 12, 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



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: 0407105

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

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

Samples were analyzed within hold time.

Samples AS Influent and GAC Influent were analyzed at dilutions due to the levels of target compounds present.

Results of initial analysis and reanalysis of these samples are included in this report.

Calibration and Tunes

Initial and continuing calibrations were acceptable.

No manual integrations were required.

QC

Surrogate recoveries are within acceptable limits.

Method blank analyses are acceptable. Trichlorofluoromethane was detected in blank MB-1829-6-2 at a concentration between the MDL and reporting limit.

Air sample duplicate (DUP) RPD values are acceptable.

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

Internal standard area responses are acceptable.

METALS

Sample Analysis

The samples were digested and analyzed within hold time.

Calibrations

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

The initial and continuing calibrations were acceptable.

QC

The calibration and preparation blank analyses are acceptable.

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

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

MERCURY

Sample Analysis

Client: E AND E BUFFALO
Project: Mr. C's Dry Cleaners
Lab Order: 0407105

CASE NARRATIVE

The samples were digested and analyzed within hold time.

Calibrations

The initial and continuing calibrations were acceptable.

QC

The calibration and preparation blank analyses were acceptable.

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

The laboratory control sample (LCS) recoveries are 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 duplicate, matrix spike, and matrix spike duplicate results are acceptable.

Laboratory control sample (LCS) recoveries are acceptable.

CHAIN OF CUSTODY RECORD



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

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

PROJECT NO: 600699NY0605

CLIENT: NYSD&C

SITE NAME: MR. C'S DRY CLEANERS

LOCATION: (Include State)
EAST AURORA, NY

CONTAINER TYPE AND PRESERVATIVE
 16oz Poly Hubs
 1L Poly Hubs
 1L Poly Hubs
 40ML Vials

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

PROJECT MANAGER: MIKE STEFFAN OFFICE No.: HQ

FIELD TEAM LEADER: JAMES MAYS PHONE No.: HQ

SAMPLERS: (PRINT)
RICK BECKEN & JAMES MAYS

REQUESTED ANALYSIS
 METALS
 CYANIDE
 TSS, TDS, HARDNESS
 VOCs
 VOCs (GOLM)

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR M/MISD	NO. OF CONTAINERS	SAMPLE CODES	VOCs (GOLM)	METALS	CYANIDE	TSS, TDS, HARDNESS	VOCs	NO. OF CONTAINERS	SAMPLE CODES	ENDING DEPTH (FEET BGS)	BEGINNING DEPTH (FEET BGS)	OV/ANNU READINGS (PPM)	ENDING DEPTH (FEET BGS)	REMARKS	
7/12/04	1200	AS INFLUENT	GW	6	6		X	X	X	X	X	6							
7/12/04	1205	AS EFFLUENT	GW	6	6		X	X	X	X	X	6							
7/12/04	1010	GAC INFLUENT	A	1	1		X					1							START: 1010 STOP: 1011
7/12/04	1011	GAC EFFLUENT	A	1	1		X					1							START: 1011 STOP: 1111

TEMPERATURE BLANK INFO:
 Enclosed: Yes No

Ship Via: _____ Date: _____

Received By: (Signature) [Signature] Date/Time: 7/12/04 1237

Relinquished By: (Signature) [Signature] Date/Time: 7/12/04 1237

Received By: (Signature) _____ Date/Time: _____

Relinquished By: (Signature) _____ Date/Time: _____

LAB PROJECT NO.: _____ LAB PROJECT MANAGER: _____

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



Cooler Receipt Form

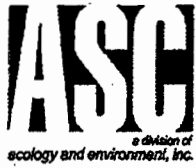
No. of Packages:	1	Date Received:	7/12/04
Package Receipt No.:	13953	Project or Site Name:	
Client:	E+E Buffalo		

A. Preliminary Examination and Receipt Phase		<i>Circle One</i>		
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>	Yes	No	NA
	Shipped as high hazard or dangerous goods?	Yes	No	NA
2. Did cooler(s) have custody seals?		Yes	No	NA
3. Were custody seals unbroken and intact on receipt?		Yes	No	NA
4. Were custody seals dated and signed?		Yes	No	NA
5. How was package secured?	<input type="checkbox"/> Not secured <input type="checkbox"/> Fiberglass Tape <input checked="" type="checkbox"/> <u>Custody seal</u>			

B. Unpacking Phase					
6. Date cooler(s) opened:	7/12/04	Cooler(s) opened by:			
7. Was a temperature blank vial included inside cooler(s)?		Yes	No	NA	
Please Record Temperature Vial or Cooler Temperature for Each Cooler, Range (2° - 6°C)*					
Airbill No.	Temp. °C	Airbill No.	Temp. °C	Airbill No.	Temp. °C
	3.0				
Thermometer No.:	230	Correction Factor:	0.0	*If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.	
8. Were the C-O-C forms received?	C-O-C forms numbers if present:	Yes	No	NA	
9. Was enough packing material used in cooler(s)?	Type of material: <input type="checkbox"/> Vermiculite <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Other	Yes	No	NA	
10. If cooling was required, what was the means (type ice) of cooling used:	<input checked="" type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/> Blue <input type="checkbox"/> Other				NA
11. Were all containers sealed in separate plastic bags?		Yes	No	NA	
12. Did all containers arrive unbroken and in good condition?		Yes	No	NA	
13. Interim storage area if not logged:					
In: Date	Time	Signature			
Out: Date	Time	Signature			

C. Login Phase	
Samples Logged in By Signature:	Date: 7-13-04
14. Were all container labels complete (e.g. date, time preserved)?	Yes No NA
15. Were all C-O-C forms filled out properly in black ink and signed?	Yes No NA
16. Did the C-O-C form agree with containers received?	Yes No NA
17. Were the correct containers used for the tests requested?	Yes No NA
18. Were the correct preservatives listed on the sample labels?	Yes No NA
19. Was a sufficient sample volume sent for the tests requested?	Yes No NA
20. Were all volatile samples received without headspace?	Yes No NA

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



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: 0407105
Date Received: 7/12/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0407105-01A	AS Influent		7/12/2004 12:00:00 PM
0407105-01B	AS Influent		7/12/2004 12:00:00 PM
0407105-01C	AS Influent		7/12/2004 12:00:00 PM
0407105-01D	AS Influent		7/12/2004 12:00:00 PM
0407105-02A	AS Effluent		7/12/2004 12:05:00 PM
0407105-02B	AS Effluent		7/12/2004 12:05:00 PM
0407105-02C	AS Effluent		7/12/2004 12:05:00 PM
0407105-02D	AS Effluent		7/12/2004 12:05:00 PM
0407105-03A	GAC Influent		7/12/2004 10:10:00 AM
0407105-04A	GAC Effluent		7/12/2004 10:11:00 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: 0407105

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
0407105-02A	AS Effluent	Water	7/12/2004 12:05:00 PM	7/12/2004 12:37:00 PM	7:R 7/19/2004 12:37:00 PM	7/15/2004 11:32:00 AM	893773	SAMP	1	48
0407105-02B		Low Level VOCs by Method 8260B Total Dissolved Solids (TDS) by method EPA 160.1 Total Suspended Solids, Non-filterable Residue			5:R 7/17/2004 12:37:00 PM	7/15/2004	984809	SAMP	1	1
0407105-02C		Cyanide Prep, Total for Water by Method 9012A Cyanide, Total by Method 9012A			5:R 7/17/2004 12:37:00 PM	7/15/2004	984954	SAMP	1	1
0407105-02D		Hardness, Total by Method EPA 130.2 ICP Digestion of Waters by Method 3010A ICP Metals Analysis by Method 6010B ICP Metals Analysis by Method 6010B Mercury Analysis in Water by Method 7470A Mercury Prep for Waters by Method 7470A			12:R 7/24/2004 12:37:00 PM 12:R 7/24/2004 12:37:00 PM 180:R 1/8/2005 12:37:00 PM 180:R 1/8/2005 12:37:00 PM 180:R 1/8/2005 12:37:00 PM 180:R 1/8/2005 12:37:00 PM 26:R 8/7/2004 12:37:00 PM 26:R 8/7/2004 12:37:00 PM	7/20/2004 9:04:06 AM 7/20/2004 3:25:10 PM 7/26/2004 7/15/2004 9:17:21 AM 7/15/2004 11:24:48 PM 7/17/2004 11:33:52 AM 7/16/2004 10:05:48 AM 7/15/2004 9:26:27 AM	200402900 985984 987981 200402854 983526 984230 983645 200402857	NA SAMP SAMP SAMP SAMP SAMP SAMP NA NA	NA 1 1 1 1 1 1 1 13 1 1 1 1	NA NA NA NA NA NA NA NA NA NA NA NA

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

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



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

Lab Order: 0407105

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
0407105-01A	Water	Low Level VOCs by Method 8260B	7/12/2004 12:00:00 PM	7/12/2004 12:37:00 PM	7:R 7/18/2004 12:37:00 PM	7/15/2004 12:04:00 PM	SAMP	1	48	<input type="checkbox"/>
0407105-01B		Total Dissolved Solids (TDS) by method EPA 160.1			5:R 7/17/2004 12:37:00 PM	7/15/2004	SAMP	1	1	<input type="checkbox"/>
		Total Suspended Solids, Non-filterable Residue			5:R 7/17/2004 12:37:00 PM	7/15/2004	SAMP	1	1	<input type="checkbox"/>
0407105-01C		Cyanide Prep, Total for Water by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 9:04:06 AM	NA	NA	NA	<input type="checkbox"/>
		Cyanide, Total by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 3:26:07 PM	SAMP	1	1	<input type="checkbox"/>
		Hardness, Total by Method EPA 130.2			180:R 1/8/2005 12:37:00 PM	7/26/2004	SAMP	1	1	<input type="checkbox"/>
0407105-01D		ICP Digestion of Waters by Method 3010A			180:R 1/8/2005 12:37:00 PM	7/15/2004 9:17:21 AM	NA	NA	NA	<input type="checkbox"/>
		ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/15/2004 11:19:00 PM	SAMP	1	13	<input type="checkbox"/>
		ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/17/2004 11:27:58 AM	SAMP	1	1	<input type="checkbox"/>
		Mercury Analysis in Water by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/16/2004 10:04:19 AM	SAMP	1	1	<input type="checkbox"/>
		Mercury Prep for Waters by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/15/2004 9:26:27 AM	NA	NA	NA	<input type="checkbox"/>
(LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0407106-04A	Air	Volatile Organics in Air by Method TO-14A	7/12/2004 10:11:00 AM	7/12/2004 12:37:00 PM	7:R 7/19/2004 12:37:00 PM	7/16/2004 8:08:00 PM	SAMP	1	41	<input type="checkbox"/>
(LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0407105-03A	Air	Volatile Organics in Air by Method TO-14A	7/12/2004 10:10:00 AM	7/12/2004 12:37:00 PM	7:R 7/19/2004 12:37:00 PM	7/16/2004 8:44:00 PM	SAMP	20	41	<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.



Analytical Services Center
International Specialists in Environmental Analysis

4493 Walden Avenue
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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

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

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Lab ID: 0407105-01A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8260B_5030B_TCL_LL_W

Client Sample ID: AS Influent

Alt. Client ID:

Collection Date: 7/12/2004 12:00:00 P % Moist:

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	0.621	J	1.00	µg/L	1	7/15/2004 12:04:00 PM	PERRY_040715B	DWW
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	µg/L	1			
1,1,2-Trichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethane	0.385	J	1.00	µg/L	1			
1,1-Dichloroethene	0.278	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	0.595	J	1.00	µg/L	1			
Chloromethane	ND		2.00	µg/L	1			
cis-1,2-Dichloroethene	5.25		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	15.6		1.00	µg/L	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID: 0407105-01A

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	1410	E	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	40.9		1.00	µg/L	1			
Trichlorofluoromethane	ND		1.00	µg/L	1			
Vinyl chloride	0.123	J	1.00	µg/L	1			
Xylenes, Total	ND		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	94		70 - 128	%REC	1	7/15/2004 12:04:00 PM	PERRY_040715B	DWW
Surr:4-Bromofluorobenzene	98		80 - 119	%REC	1			
Surr:Dibromofluoromethane	91		85 - 110	%REC	1			
Surr:Toluene-d8	102		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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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

Laboratory Results

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

CLIENT: E and E Buffalo Office **Client Sample ID:** AS Influent
Lab Order: 0407105 **Alt. Client ID:**
Project: Mr. C's Dry Cleaners **Collection Date:** 7/12/2004 12:00:00 PM
Lab ID: 0407105-01A **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

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

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



Analytical Services Center

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

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID: 0407105-01A

Sample Type: DL

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		50.0	µg/L	50	7/15/2004 1:41:00 PM	PERRY_040715B	DWW
1,1,2,2-Tetrachloroethane	ND		50.0	µg/L	50			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	µg/L	50			
1,1,2-Trichloroethane	ND		50.0	µg/L	50			
1,1-Dichloroethane	ND		50.0	µg/L	50			
1,1-Dichloroethene	ND		50.0	µg/L	50			
1,2,4-Trichlorobenzene	ND		50.0	µg/L	50			
1,2-Dibromo-3-chloropropane	ND		250	µg/L	50			
1,2-Dibromoethane	ND		50.0	µg/L	50			
1,2-Dichlorobenzene	ND		50.0	µg/L	50			
1,2-Dichloroethane	ND		50.0	µg/L	50			
1,2-Dichloropropane	ND		50.0	µg/L	50			
1,3-Dichlorobenzene	ND		50.0	µg/L	50			
1,4-Dichlorobenzene	ND		50.0	µg/L	50			
2-Butanone	ND		250	µg/L	50			
2-Hexanone	ND		250	µg/L	50			
4-Methyl-2-pentanone	ND		250	µg/L	50			
Acetone	ND		250	µg/L	50			
Benzene	ND		50.0	µg/L	50			
Bromodichloromethane	ND		50.0	µg/L	50			
Bromoform	ND		50.0	µg/L	50			
Bromomethane	ND		100	µg/L	50			
Carbon disulfide	ND		250	µg/L	50			
Carbon tetrachloride	ND		50.0	µg/L	50			
Chlorobenzene	ND		50.0	µg/L	50			
Chloroethane	ND		100	µg/L	50			
Chloroform	ND		50.0	µg/L	50			
Chloromethane	ND		100	µg/L	50			
cis-1,2-Dichloroethene	ND		50.0	µg/L	50			
cis-1,3-Dichloropropene	ND		50.0	µg/L	50			
Cyclohexane	ND		50.0	µg/L	50			
Dibromochloromethane	ND		50.0	µg/L	50			
Dichlorodifluoromethane	ND		250	µg/L	50			
Ethylbenzene	ND		50.0	µg/L	50			
Isopropylbenzene	ND		50.0	µg/L	50			
Methyl acetate	ND		50.0	µg/L	50			
Methyl tert-butyl ether	13.1	J	50.0	µg/L	50			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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

Laboratory Results

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

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID: 0407105-01A

Sample Type: DL

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		50.0	µg/L	50			
Methylene chloride	ND		50.0	µg/L	50			
Styrene	ND		50.0	µg/L	50			
Tetrachloroethene	1270		50.0	µg/L	50			
Toluene	ND		50.0	µg/L	50			
trans-1,2-Dichloroethene	ND		50.0	µg/L	50			
trans-1,3-Dichloropropene	ND		50.0	µg/L	50			
Trichloroethene	30.7	J	50.0	µg/L	50			
Trichlorofluoromethane	ND		50.0	µg/L	50			
Vinyl chloride	ND		50.0	µg/L	50			
Xylenes, Total	ND		50.0	µg/L	50			
Surr:1,2-Dichloroethane-d4	96		70 - 128	%REC	50	7/15/2004 1:41:00 PM	PERRY_040715B	DWW
Surr:4-Bromofluorobenzene	107		80 - 119	%REC	50			
Surr:Dibromofluoromethane	95		85 - 110	%REC	50			
Surr:Toluene-d8	97		83 - 110	%REC	50			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 PM

Lab ID: 0407105-01A

Sample Type: DL

Matrix: WATER

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

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

LOW LEVEL VOCS BY METHOD 8260B

1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID: 0407105-02A

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	7/15/2004 11:32:00 AM	PERRY_040715B	DWW
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	µg/L	1			
1,1,2-Trichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethene	ND		1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND		1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		5.00	µg/L	1			
1,2-Dibromoethane	ND		1.00	µg/L	1			
1,2-Dichlorobenzene	ND		1.00	µg/L	1			
1,2-Dichloroethane	ND		1.00	µg/L	1			
1,2-Dichloropropane	ND		1.00	µg/L	1			
1,3-Dichlorobenzene	ND		1.00	µg/L	1			
1,4-Dichlorobenzene	ND		1.00	µg/L	1			
2-Butanone	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	1.59		1.00	µg/L	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID: 0407105-02A

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	2.05		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	95		70 - 128	%REC	1	7/15/2004 11:32:00 AM	PERRY_040715B	DWW
Surr:4-Bromofluorobenzene	105		80 - 119	%REC	1			
Surr:Dibromofluoromethane	94		85 - 110	%REC	1			
Surr:Toluene-d8	96		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 Inject

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 PM

Lab ID: 0407105-02A

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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Method Blank

VOCs, Low Level by GCMS Method 8260B

Test Code: 1_8260B_5030B_TCL_LL_W Units: µg/L

Sample ID: MB-1821-29-1 Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: PERRY_040715B SeqNo: 993772

Prep Date:

Analysis Date: 7/15/2004 8:28:00 AM

Prep Batch ID: 0407154p1r

Analyte Type / Name Result MDL Analysis Date: 7/15/2004 8:28:00 AM Spike Value Orig Result %REC LowLimit HighLimit RPD RPD.Limit 1 Qual

Analyte Type / Name	Result	MDL	Analysis Date: 7/15/2004 8:28:00 AM	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD.Limit 1	Qual
1,1,1-Trichloroethane	ND	0.1230					1.000				
1,1,2,2-Tetrachloroethane	ND	0.1710					1.000				
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.2720					1.000				
1,1,2-Trichloroethane	ND	0.1390					1.000				
1,1-Dichloroethane	ND	0.1170					1.000				
1,1-Dichloroethene	ND	0.1370					1.000				
1,2,4-Trichlorobenzene	ND	0.1450					1.000				
1,2-Dibromo-3-chloropropane	ND	0.3730					5.000				
1,2-Dibromoethane	ND	0.1260					1.000				
1,2-Dichlorobenzene	ND	0.08000					1.000				
1,2-Dichloroethane	ND	0.1090					1.000				
1,2-Dichloropropane	ND	0.09610					1.000				
1,3-Dichlorobenzene	ND	0.09330					1.000				
1,4-Dichlorobenzene	ND	0.1010					1.000				
2-Butanone	ND	0.8150					5.000				
2-Hexanone	ND	0.1870					5.000				
4-Methyl-2-pentanone	ND	0.3930					5.000				
Acetone	ND	1.730					5.000				
Benzene	ND	0.1040					1.000				
Bromodichloromethane	ND	0.1410					1.000				
Bromoform	ND	0.09900					1.000				

Qualifier Definitions:

- * - Recovery outside QC limits
- 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 exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- 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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs, Low Level by GCMS Method 8260B
 Sample ID: MB-1821-29-1
 Client Sample ID:

Test Code: 1_8260B_5030B_TCL_LL_W
 Units: µg/L
 DF: 1 DL_No: 1

Run Batch ID: PERRY_040715B
 SeqNo: 993772

Analysis Date: 7/15/2004 8:28:00 AM
 Prep Batch ID: 0407154p1r

Prep Date:
 RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	FL	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	0.0900	1.000								
cis-1,3-Dichloropropene	ND	0.1040	1.000								
Cyclohexane	ND	0.0990	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
 B - Analyte found in Method blank
 E - Result exceeds Highest Calibration Standard
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 RL - Reporting Limit
 D - Diluted due to matrix or extended target compounds
 H - Value Exceeds Maximum Contaminant Level
 NC - Not Calculated
 R - RPD outside recovery limits
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: 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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

VOCs, Low Level by GCMS Method 8260B

Sample ID: MB-1821-29-1 Client Sample ID:

Run Batch ID: FERRY_040715B

SeqNo: 993772

Analysis Date: 7/15/2004 8:28:00 AM

Prep Batch ID: 0407154p1r

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
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	9.108	0	0		91		70	128			
S 4-Bromofluorobenzene	10.78	0	0		108		80	119			
S Dibromofluoromethane	9.214	0	0		92		85	110			
S Toluene-d8	9.657	0	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 exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- 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: 0407105 Alt. Client ID:
 Project: Mr. C's Dry Cleaners Collection Date:
 Lab ID: MB-1821-29-1 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
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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 Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

VOCs, Low Level by GCMS Method 8260B

Sample ID: LCS-1821-29-1 Client Sample ID:
 Run Batch ID: PERRY_040715B SeqNo: 993776
 Analysis Date: 7/15/2004 7:10:00 AM

Test Code: 1_8260B_5090B_TCL_LL_W

Units: µg/L
 DF: 1 DL_No: 1

Prep Date: Prep Batch ID: 0407154p1r
 %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1-Dichloroethene	9.470	0.1370	1.000	10.00	0	95	80	120			
Benzene	10.25	0.1040	1.000	10.00	0	103	80	120			
Chlorobenzene	10.29	0.1160	1.000	10.00	0	103	80	120			
Toluene	10.51	0.1190	1.000	10.00	0	105	80	120			
Trichloroethene	10.49	0.1630	1.000	10.00	0	105	80	120			
S 1,2-Dichloroethane-d4	9.092	0	0	10.00	0	91	70	128			
S 4-Bromofluorobenzene	9.382	0	0	10.00	0	94	80	119			
S Dibromofluoromethane	9.223	0	0	10.00	0	92	85	110			
S Toluene-d8	9.519	0	0	10.00	0	95	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 exceeds Highest Calibration Standard
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 RL - Reporting Limit
 D - Diluted due to matrix or extended target compounds
 H - Value Exceeds Maximum Contaminant Level
 NC - Not Calculated
 R - RPD outside recovery limits
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: 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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

VOCs, Low Level by GCMS Method 8260B

Sample ID: LCSD-1821-29-1 Client Sample ID: 993771

Run Batch ID: PERRY_040715B SeqNo: 993771

Analysis Date: 7/15/2004 7:42:00 AM

Prep Batch ID: 0407154p1r

Test Code: 1_6260B_5030B_TCL_LL_W Units: µg/L

DF: 1 DL_No: 1

Prep Date:

Analyte Type / Name	Result	MDL	FL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
1,1-Dichloroethene	9.689	0.1370	1.000	10.00	0	97	80	120	2.3	0	
Benzene	10.36	0.1040	1.000	10.00	0	104	80	120	1.0	20	
Chlorobenzene	10.24	0.1150	1.000	10.00	0	102	80	120	0.4	20	
Toluene	10.60	0.1180	1.000	10.00	0	106	80	120	0.8	20	
Trichloroethene	10.58	0.1630	1.000	10.00	0	106	80	120	0.9	20	
S 1,2-Dichloroethane-d4	9.140	0	0	10.00	0	91	70	128	0.0	0	
S 4-Bromofluorobenzene	9.453	0	0	10.00	0	95	80	119	0.0	0	
S Dibromofluoromethane	9.370	0	0	10.00	0	94	85	110	0.0	0	
S Toluene-d8	9.647	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 exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- Analyte Types: S - Surrogate I - Internal Standard



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

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: PERRY_040715B

QC SUMMARY REPORT SURROGATE RECOVERIES

Low Level VOCs by Method 8260B

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0407105-01A	SAMP	98	102	91	94				
0407105-01A	DL	107	97	95	96				
0407105-02A	SAMP	105	96	94	95				
LCS-1821-29-1	LCS	94	95	92	91				
LCSD-1821-29-1	LCSD	95	96	94	91				
MB-1821-29-1	MBLK	108	97	92	91				

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



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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 10:10:00 A % Moist:

Lab ID: 0407105-03A

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		100	ppbv	20	7/16/2004 8:44:00 PM	JAKE_040716A	RMJ
1,1,2,2-Tetrachloroethane	ND		100	ppbv	20			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	ppbv	20			
1,1,2-Trichloroethane	ND		100	ppbv	20			
1,1-Dichloroethane	ND		100	ppbv	20			
1,1-Dichloroethene	ND		100	ppbv	20			
1,2,4-Trichlorobenzene	ND		100	ppbv	20			
1,2,4-Trimethylbenzene	ND		100	ppbv	20			
1,2-Dibromoethane	ND		100	ppbv	20			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		100	ppbv	20			
1,2-Dichlorobenzene	ND		100	ppbv	20			
1,2-Dichloroethane	ND		100	ppbv	20			
1,2-Dichloropropane	ND		100	ppbv	20			
1,3,5-Trimethylbenzene	ND		100	ppbv	20			
1,3-Dichlorobenzene	ND		100	ppbv	20			
1,4-Dichlorobenzene	ND		100	ppbv	20			
Benzene	4.80	J	100	ppbv	20			
Benzyl chloride	ND		100	ppbv	20			
Bromomethane	ND		100	ppbv	20			
Carbon tetrachloride	ND		100	ppbv	20			
Chlorobenzene	ND		100	ppbv	20			
Chloroethane	ND		100	ppbv	20			
Chloroform	ND		100	ppbv	20			
Chloromethane	ND		100	ppbv	20			
cis-1,2-Dichloroethene	13.2	J	100	ppbv	20			
cis-1,3-Dichloropropene	ND		100	ppbv	20			
Dichlorodifluoromethane	ND		100	ppbv	20			
Ethylbenzene	ND		100	ppbv	20			
Hexachlorobutadiene	ND		100	ppbv	20			
m,p-Xylene	ND		200	ppbv	20			
Methylene chloride	ND		100	ppbv	20			
o-Xylene	ND		100	ppbv	20			
Styrene	ND		100	ppbv	20			
Tetrachloroethene	1720	E	100	ppbv	20			
Toluene	ND		100	ppbv	20			
trans-1,2-Dichloroethene	ND		100	ppbv	20			

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

E - Result exceeds Highest Calibration Standard

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



Analytical Services Center

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4493 Walden Avenue

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Lab ID: 0407105-03A

Sample Type: SAMP

Matrix: Air

Client Sample ID: GAC Influent

Alt. Client ID:

Collection Date: 7/12/2004 10:10:00 A % Moist:

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
trans-1,3-Dichloropropene	ND		100	ppbv	20			
Trichloroethene	67.5	J	100	ppbv	20			
Trichlorofluoromethane	5.42	JB	100	ppbv	20			
Vinyl chloride	ND		100	ppbv	20			
Xylenes, Total	ND		300	ppbv	20			
Surr:1,2-Dichloroethane-d4	104		80 - 120	%REC	20	7/16/2004 8:44:00 PM	JAKE_040716A	RMJ
Surr:4-Bromofluorobenzene	97		80 - 120	%REC	20			
Surr:Toluene-d8	101		80 - 120	%REC	20			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - EPD 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

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Lab ID: 0407105-03A

Sample Type: SAMP

Client Sample ID: GAC Influent

Alt. Client ID:

Collection Date: 7/12/2004 10:10:00 AM

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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office

Client Sample ID: GAC Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 10:10:00 AM

Lab ID: 0407105-03A

Sample Type: DL

Matrix: AIR

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

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

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

1_TO14_A

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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Lab ID: 0407105-03A

Sample Type: DL

Matrix: Air

Test Code: 1_TO14_A

Client Sample ID: GAC Influent

Alt. Client ID:

Collection Date: 7/12/2004 10:10:00 A % Moist:

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		400	ppbv	80	7/17/2004 12:54:00 PM	JAKE_040717B	MRD
1,1,2,2-Tetrachloroethane	ND		400	ppbv	80			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	ppbv	80			
1,1,2-Trichloroethane	ND		400	ppbv	80			
1,1-Dichloroethane	ND		400	ppbv	80			
1,1-Dichloroethene	ND		400	ppbv	80			
1,2,4-Trichlorobenzene	ND		400	ppbv	80			
1,2,4-Trimethylbenzene	ND		400	ppbv	80			
1,2-Dibromoethane	ND		400	ppbv	80			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		400	ppbv	80			
1,2-Dichlorobenzene	ND		400	ppbv	80			
1,2-Dichloroethane	ND		400	ppbv	80			
1,2-Dichloropropane	ND		400	ppbv	80			
1,3,5-Trimethylbenzene	ND		400	ppbv	80			
1,3-Dichlorobenzene	ND		400	ppbv	80			
1,4-Dichlorobenzene	ND		400	ppbv	80			
Benzene	ND		400	ppbv	80			
Benzyl chloride	ND		400	ppbv	80			
Bromomethane	ND		400	ppbv	80			
Carbon tetrachloride	ND		400	ppbv	80			
Chlorobenzene	ND		400	ppbv	80			
Chloroethane	ND		400	ppbv	80			
Chloroform	ND		400	ppbv	80			
Chloromethane	ND		400	ppbv	80			
cis-1,2-Dichloroethene	ND		400	ppbv	80			
cis-1,3-Dichloropropene	ND		400	ppbv	80			
Dichlorodifluoromethane	ND		400	ppbv	80			
Ethylbenzene	ND		400	ppbv	80			
Hexachlorobutadiene	ND		400	ppbv	80			
m,p-Xylene	ND		800	ppbv	80			
Methylene chloride	ND		400	ppbv	80			
o-Xylene	ND		400	ppbv	80			
Styrene	ND		400	ppbv	80			
Tetrachloroethene	1810		400	ppbv	80			
Toluene	ND		400	ppbv	80			
trans-1,2-Dichloroethene	ND		400	ppbv	80			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 10:10:00 A % Moist:

Lab ID: 0407105-03A

Sample Type: DL

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		400	ppbv	80			
Trichloroethene	49.4	J	400	ppbv	80			
Trichlorofluoromethane	ND		400	ppbv	80			
Vinyl chloride	ND		400	ppbv	80			
Xylenes, Total	ND		1200	ppbv	80			
Surr:1,2-Dichloroethane-d4	99		80 - 120	%REC	80	7/17/2004 12:54:00 PM	JAKE_040717B	MRD
Surr:4-Bromofluorobenzene	99		80 - 120	%REC	80			
Surr:Toluene-d8	103		80 - 120	%REC	80			

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not ignite

E - Result exceeds Highest Calibration Standard

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



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Lancaster, New York 14086

Laboratory Results

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

Client: E and E Buffalo Office

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Lab ID: 0407105-04A

Sample Type: SAMP

Matrix: Air

Client Sample ID: GAC Effluent

Alt. Client ID:

Collection Date: 7/12/2004 10:11:00 A % Moist:

Test Code: 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A

Method: EPATO14

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.00	ppbv	1	7/16/2004 8:09:00 PM	JAKE_040716A	RMJ
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	0.754	J	5.00	ppbv	1			
1,1-Dichloroethene	0.707	J	5.00	ppbv	1			
1,2,4-Trichlorobenzene	ND		5.00	ppbv	1			
1,2,4-Trimethylbenzene	1.06	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	0.287	J	5.00	ppbv	1			
Benzyl chloride	ND		5.00	ppbv	1			
Bromomethane	ND		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	1.08	J	5.00	ppbv	1			
cis-1,2-Dichloroethene	21.5		5.00	ppbv	1			
cis-1,3-Dichloropropene	ND		5.00	ppbv	1			
Dichlorodifluoromethane	1.47	J	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	1.38	J	5.00	ppbv	1			
o-Xylene	ND		5.00	ppbv	1			
Styrene	ND		5.00	ppbv	1			
Tetrachloroethene	10.5		5.00	ppbv	1			
Toluene	ND		5.00	ppbv	1			
trans-1,2-Dichloroethene	1.27	J	5.00	ppbv	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 10:11:00 A % Moist:

Lab ID: 0407105-04A

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	1.38	JB	5.00	ppbv	1			
Vinyl chloride	ND		5.00	ppbv	1			
Xylenes, Total	ND		15.0	ppbv	1			
Surr:1,2-Dichloroethane-d4	83		80 - 120	%REC	1	7/16/2004 8:09:00 PM	JAKE_040716A	RMJ
Surr:4-Bromofluorobenzene	98		80 - 120	%REC	1			
Surr:Toluene-d8	102		80 - 120	%REC	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID: GAC Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 10:11:00 AM

Lab ID: 0407105-04A

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

496-11-7	Indane	17.23	1	NJ	ppbv	1	87	7/16/2004 8:09:00 PM	JAKE_040716A	
100-45-8	4-Cyanocyclohexene	17.77	2	NJ	ppbv	1	91			
108-95-2	Phenol (17.869)	17.87	15	NJ	ppbv	1	95			
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	18.37	1	NJ	ppbv	1	41			
91-20-3	Naphthalene (21.043)	21.04	34	NJ	ppbv	1	97			

Number TICs Found: 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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs In Air by GCMS Method TO-14A

Sample ID: MB-1829-6-2 Client Sample ID: 996214

Run Batch ID: JAKE_040716A SeqNo: 996214

Analysis Date: 7/16/2004 3:18:00 PM Prep Batch ID: 040716401r

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 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	0.3880	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
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- 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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs In Air by GCMS Method TO-14A

Sample ID: MB-1829-6-2 Client Sample ID:

Run Batch ID: JAKE_040716A SeqNo: 986214

Prep Batch ID: 040716401r

Analysis Date: 7/16/2004 3:18:00 PM

Test Code: 1_TO14_A

Units: ppbv

DF: 1 DL_No: 1

Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	%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-Dichloroethane	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							
Tetrachloroethane	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	0.2900	0.2140	5.000							
Vinyl chloride	ND	0.3960	5.000							
Xylenes, Total	ND	1.670	15.00							
S 1,2-Dichloroethane-d4	10.06	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
 B - Analyte found in Method blank
 E - Result exceeds Highest Calibration Standard
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 RL - Reporting Limit
 D - Diluted due to matrix or extended target compounds
 H - Value Exceeds Maximum Contaminant Level
 NC - Not Calculated
 R - RPD outside recovery limits
 Analyte Types: S - Surrogate I - Internal Standard
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit



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 Lancaster, New York 14086

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

QC SUMMARY REPORT
 Method Blank

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

VOCs in Air by GCMS Method TO-14A
 Sample ID: MB-1829-6-2 Client Sample ID: 998214
 Run Batch ID: JAKE_040716A Analysis Date: 7/16/2004 3:18:00 PM Prep Batch ID: 040716401r
 Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
S 4-Bromofluorobenzene	9.714	0	0	0	97	80	80	120			
S Toluene-d8	10.19	0	0	0	102	80	80	120			

Test Code: 1_TO14_A Units: ppbv
 DF: 1 DL_No: 1
 Prep Date:

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



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4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office **Client Sample ID:**
Lab Order: 0407105 **Alt. Client ID:**
Project: Mr. C's Dry Cleaners **Collection Date:**
Lab ID: MB-1829-6-2 **Sample Type:** MBLK **Matrix:** AIR **% Moist:**

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Date Analyzed	Run Batch ID	Analyst
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VOLATILE ORGANICS IN AIR BY METHOD TO-14A
1_TO14_A

NO TENTATIVELY IDENTIFIED COMPOUNDS

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



Analytical Services Center

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4493 Walden Avenue

Lancaster, New York 14086

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

Laboratory Results

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

VOCs in Air by GCMS Method TO-14A

Test Code: 1_TO14_A

Units: ppbv

Sample ID: MB-1829-7-1 Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: JAKE_040717B

Analysis Date: 7/17/2004 10:10:00 AM

Prep Date:

Prep Batch ID: 040717401r

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	0.2370	0.2330	5.000								J
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

Footnotes: 1 - Represents RSD Limit for Quad Analysis

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

RL - Reporting Limit

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Laboratory Results

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1829-7-1

Client Sample ID:

Run Batch ID: JAKE_040717B

SeqNo: 999221

Analysis Date: 7/17/2004 10:10:00 AM

Prep Batch ID: 040717401r

DF: 1 DL_No: 1

Prep Date:

Test Code: 1_TO14_A

Units: ppbv

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	0.3910	0.2140	5.000																
Vinyl chloride	ND	0.3960	5.000																
Xylenes, Total	ND	1.670	15.00																
S 1,2-Dichloroethane-d4	9.715	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 exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

RL - Reporting Limit

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



Analytical Services Center

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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: 0407105

Project: Mr. C's Dry Cleaners

VOCs in Air by GCMS Method TO-14A

Sample ID: MB-1829-7-1 Client Sample ID:

Run Batch ID: JAKE_040717B SeqNo: 998221

Analysis Date: 7/17/2004 10:10:00 AM Prep Batch ID: 040717401r

Analyte Type / Name

Result

MDL

RL

Spike Value

Orig Result

%REC

LowLimit

HighLimit

RPD

RPD Limit 1

S 4-Bromofluorobenzene

S Toluene-d8

9.709

0

0

0

0

97

80

120

RPD

RPD Limit 1

S 10.17

10.17

0

0

0

102

80

120

Test Code: 1_TO14_A

Units: ppbv

DF: 1 DL_No: 1

Prep Date:

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 exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

RL - Reporting Limit

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

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:		
Lab Order: 0407105	Alt. Client ID:		
Project: Mr. C's Dry Cleaners	Collection Date:		
Lab ID: MB-1829-7-1	Sample Type: MBLK	Matrix: AIR	% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	Units	DF	Date Analyzed	Run Batch ID	Analyst
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VOLATILE ORGANICS IN AIR BY METHOD TO-14A
1_TO14_A

NO TENTATIVELY IDENTIFIED COMPOUNDS

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



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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Duplicate

VOCs in Air by GCMS Method TO-14A

Sample ID: 0407105-03A Client Sample ID: GAC Influent Test Code: 1_TO14_A
 Run Batch ID: JAKE_040717B SeqNo: 996219 Analysis Date: 7/17/2004 1:30:00 PM Prep Batch ID: 040717401r
 Analyte Type / Name Result MDL RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
1,1,1-Trichloroethane	ND	39.80	400.0			0			0.0	20	
1,1,2,2-Tetrachloroethane	ND	41.30	400.0			0			0.0	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50.60	400.0			0			0.0	20	
1,1,2-Trichloroethane	ND	46.60	400.0			0			0.0	20	
1,1-Dichloroethane	ND	49.00	400.0			0			0.0	20	
1,1-Dichloroethene	ND	32.30	400.0			0			0.0	20	
1,2,4-Trichlorobenzene	ND	21.00	400.0			0			0.0	20	
1,2,4-Trimethylbenzene	ND	18.30	400.0			0			0.0	20	
1,2-Dibromoethane	ND	20.50	400.0			0			0.0	20	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	49.80	400.0			0			0.0	20	
1,2-Dichlorobenzene	ND	17.40	400.0			0			0.0	20	
1,2-Dichloroethane	ND	24.20	400.0			0			0.0	20	
1,2-Dichloropropane	ND	54.00	400.0			0			0.0	20	
1,3,5-Trimethylbenzene	ND	38.60	400.0			0			0.0	20	
1,3-Dichlorobenzene	ND	48.20	400.0			0			0.0	20	
1,4-Dichlorobenzene	ND	45.20	400.0			0			0.0	20	
Benzene	18.64	18.60	400.0			0			200.0	20	JB
Benzyl chloride	ND	40.00	400.0			0			0.0	20	
Bromomethane	ND	31.10	400.0			0			0.0	20	
Carbon tetrachloride	ND	122.0	400.0			0			0.0	20	
Chlorobenzene	ND	44.80	400.0			0			0.0	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 exceeds Highest Calibration Standard
 N - Single Column Analysis
 P - Post Spike Recovery outside limits
 RL - Reporting Limit
 D - Diluted due to matrix or extended target compounds
 H - Value Exceeds Maximum Contaminant Level
 NC - Not Calculated
 R - RPD outside recovery limits
 DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 Analyte Types: S - Surrogate I - Internal Standard



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

QC SUMMARY REPORT Sample Duplicate

CLIENT: E and B Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

VOCS in Air by GCMS Method TO-14A

Sample ID: 0407105-03A

Client Sample ID: GAC Influent

Run Batch ID: JAKE_040717B

SeqNo: 998219

Analysis Date: 7/17/2004 1:30:00 PM

Prep Batch ID: 040717401r

Test Code: 1_TO14_A

Units: ppbv

DF: 80 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	51.00	400.0		0				0.0	20	
Chloroform	ND	64.40	400.0		0				0.0	20	
Chloromethane	ND	43.80	400.0		0				0.0	20	
cis-1,2-Dichloroethene	ND	33.30	400.0		0				0.0	20	
cis-1,3-Dichloropropene	ND	23.80	400.0		0				0.0	20	
Dichlorodifluoromethane	ND	44.60	400.0		0				0.0	20	
Ethylbenzene	ND	18.00	400.0		0				0.0	20	
Hexachlorobutadiene	ND	17.80	400.0		0				0.0	20	
m,p-Xylene	ND	94.40	800.0		0				0.0	20	
Methylene chloride	ND	43.60	400.0		0				0.0	20	
o-Xylene	ND	47.10	400.0		0				0.0	20	
Styrene	ND	43.50	400.0		0				0.0	20	
Tetrachloroethene	1869	45.70	400.0		1808				3.3	20	
Toluene	ND	42.90	400.0		0				0.0	20	
trans-1,2-Dichloroethene	ND	16.20	400.0		0				0.0	20	
trans-1,3-Dichloropropene	ND	30.40	400.0		0				0.0	20	
Trichloroethene	52.08	42.70	400.0		49.44				0.0	20	J
Trichlorofluoromethane	ND	17.10	400.0		0				5.2	20	
Vinyl chloride	ND	31.70	400.0		0				0.0	20	
Xylenes, Total	ND	134.0	1200		0				0.0	20	
S 1,2-Dichloroethane-d4	797.7	0	0	800.0	0	100	80	120	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: I - Represents RSD Limit for Quad Analysis
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- F - 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
- DP - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit
- Analyte Types: S - Surrogate I - Internal Standard



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Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Sample Duplicate

VOCs In Air by GC/MS Method TO-14A

Sample ID: 0407105-03A **Client Sample ID:** GAC Influent **Test Code:** 1_TO14_A
Run Batch ID: JAKE_040717B **SeqNo:** 996219 **Analysis Date:** 7/17/2004 1:30:00 PM **Prep Batch ID:** 040717401r
Analyte Type / Name

Units: ppbv
DF: 80 **DL_No:** 1
Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
S 4-Bromofluorobenzene	787.3	0	0	800.0	0	98	80	120	0.0	0	0
S Toluene-d8	823.0	0	0	800.0	0	103	80	120	0.0	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
- B - Result exceeds Highest Calibration Standard
- N - Single Column Analysis
- P - Post Spike Recovery outside limits
- RL - Reporting Limit
- D - Diluted due to matrix or extended target compounds
- H - Value Exceeds Maximum Contaminant Level
- NC - Not Calculated
- R - RPD outside recovery limits
- Analyte Types: S - Surrogate 1 - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit



Analytical Services Center
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 4493 Walden Avenue
 Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners
Test Code: 1_TO14_A
Batch ID: JAKE_040716A

QC SUMMARY REPORT SURROGATE RECOVERIES

Volatile Organics in Air by Method TO-14A

Sample ID	Type	BR4FBZ	BZMED8	DCA12D4					
0407105-03A	SAMP	97	101	104					
0407105-04A	SAMP	98	102	83					
MB-1829-6-2	MBLK	97	102	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



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners
Test Code: 1_TO14_A
Batch ID: JAKE_040717B

QC SUMMARY REPORT SURROGATE RECOVERIES

Volatile Organics in Air by Method TO-14A

Sample ID	Type	BR4FBZ	BZMED8	DCA12D4					
0407105-03A	DUP	98	103	100					
0407105-03A	DL	99	103	99					
MB-1829-7-1	MBLK	97	102	97					

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

* Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds

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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID: 0407105-01D

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	7/15/2004 11:19:00 PM	OPTIMA3300_040715F	SDP
Calcium	137000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	62.3		20.0	µg/L	1			
Iron	415		200	µg/L	1			
Lead	ND		5.00	µg/L	1			
Magnesium	21200		1500	µg/L	1			
Manganese	209		10.0	µg/L	1	7/17/2004 11:27:58 AM	OPTIMA3300_040717C	
Nickel	ND		20.0	µg/L	1	7/15/2004 11:19:00 PM	OPTIMA3300_040715F	
Potassium	5590		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	221000		1500	µg/L	1			
Vanadium	ND		20.0	µg/L	1			
Zinc	ND		20.0	µg/L	1			

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

E - Result exceeds Highest Calibration Standard

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



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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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID: 0407105-02D

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	7/15/2004 11:24:48 PM	OPTIMA3300_040715F	SDP
Calcium	133000		1500	µg/L	1			
Cobalt	ND		20.0	µg/L	1			
Copper	ND		20.0	µg/L	1			
Iron	291		200	µg/L	1			
Lead	ND		5.00	µg/L	1			
Magnesium	21000		1500	µg/L	1			
Manganese	201		10.0	µg/L	1	7/17/2004 11:33:52 AM	OPTIMA3300_040717C	
Nickel	ND		20.0	µg/L	1	7/15/2004 11:24:48 PM	OPTIMA3300_040715F	
Potassium	5670		1500	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	214000		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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Analytical Services Center

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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Method Blank

Metals, TAL by ICP Method 6010B

Sample ID: MB-200402854

Client Sample ID:

Test Code: 1_6010B_TAL_W

Units: µg/L

Run Batch ID: OPTIMA300_040715F

SeqNo: 993521

Result

Analysis Date: 7/15/2004 10:56:33 PM

Prep Batch ID: 200402854

DF: 1

DL_No: 1

Prep Date: 7/15/2004

Analyte Type / Name

Orig Result

%REC

LowLimit

HighLimit

RPD

RPD Limit

Qual

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Aluminum	ND	25.20	200.0								
A Calcium	ND	175.0	1500								
A Cobalt	ND	0.5850	20.00								
A Copper	ND	3.340	20.00								
A Iron	ND	46.40	200.0								
A Lead	ND	4.650	5.000								
A Magnesium	ND	30.00	1500								
A Nickel	ND	1.610	20.00								
A Potassium	ND	149.0	1500								
A Silver	ND	1.180	10.00								
A Sodium	ND	47.30	1500								
A Vanadium	ND	2.980	20.00								
A Zinc	ND	1.850	20.00								

Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

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

Ecology & Environment Inc. LIMS Version #: 040716_1300

Wednesday, July 21, 2004 1:44:45 PM



Analytical Services Center

International Specialists in Environmental Analysis

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Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

Metals, TAL by ICP Method 6010B

Sample ID: MB-200402854

Client Sample ID:

Run Batch ID: OPTIMA3300_040717C

SeqNo: 994225

Analysis Date: 7/17/2004 11:05:32 AM

Prep Date: 7/15/2004

Analyte Type / Name

Result

MDL

RL

Spike Value

%REC

LowLimit

HighLimit

RPD

RPD Limit

1 Qual

A Manganese

ND 1.340

10.00

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

Footnote: 1 - Represents RSD Limit for Quad Analysis

RL - Reporting Limit



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Metals, TAL by ICP Method 6010B

Sample ID: 0407125-06BS

Client Sample ID: FB071304

Run Batch ID: OPTIMA3300_040715F

SeqNo: 993531

Analysis Date: 7/15/2004 11:52:31 PM

Prep Date: 7/15/2004

Analyte Type / Name

Units: µg/L

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	DF	DL_No	RPD	RPD Limit	Qual
A Aluminum	1043	25.20	200.0	1000	0	104	75	125	1	1			
A Calcium	11050	175.0	1500	10000	0	111	75	125					
A Cobalt	1113	0.5850	20.00	1000	0	111	75	125					
A Copper	1019	3.340	20.00	1000	0	102	75	125					
A Iron	11160	46.40	200.0	10000	0	112	75	125					
A Lead	1100	4.650	5.000	1000	0	110	75	125					
A Magnesium	10500	30.00	1500	10000	0	105	75	125					
A Nickel	1098	1.610	20.00	1000	0	110	75	125					
A Potassium	10790	149.0	1500	10000	0	108	75	125					
A Silver	47.00	1.180	10.00	50.00	0	84	75	125					
A Sodium	10460	47.30	1500	10000	170.6	103	75	125					
A Vanadium	1050	2.960	20.00	1000	0	105	75	125					
A Zinc	1073	1.850	20.00	1000	0	107	75	125					

Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis

RL - Reporting Limit



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Metals, TAL by ICP Method 6010B

Sample ID: 0407125-06BS1

Client Sample ID: FB071304

Run Batch ID: OPTIMAS300_040715F

SeqNo: 983532 Analysis Date: 7/15/2004 11:58:20 PM

Prep Batch ID: 200402854

Prep Date: 7/15/2004

Test Code: 1_6010B_TAL_W Units: µg/L

DF: 1 DL_No: 1

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
A Aluminum	1015	25.20	200.0	1000	0	101	75	125	2.7	20	
A Calcium	10900	175.0	1500	10000	0	109	75	125	1.4	20	
A Cobalt	1112	0.5850	20.00	1000	0	111	75	125	0.0	20	
A Copper	1029	3.340	20.00	1000	0	103	75	125	0.9	20	
A Iron	10950	46.40	200.0	10000	0	109	75	125	2.0	20	
A Lead	1088	4.850	5.000	1000	0	109	75	125	1.3	20	
A Magnesium	10300	30.00	1500	10000	0	103	75	125	2.0	20	
A Nickel	1095	1.610	20.00	1000	0	110	75	125	0.2	20	
A Potassium	10580	148.0	1500	10000	0	106	75	125	2.0	20	
A Silver	47.72	1.180	10.00	50.00	0	95	75	125	1.5	20	
A Sodium	10290	47.30	1500	10000	170.6	101	75	125	1.6	20	
A Vanadium	1051	2.960	20.00	1000	0	105	75	125	0.2	20	
A Zinc	1072	1.850	20.00	1000	0	107	75	125	0.1	20	

Definitions:

- * - Recovery outside QC limits
- DNI - Did not Ignite
- M - Matrix Spike Recovery outside limits
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- E - Result exceeds Highest Calibration Standard
- N - Single Coburn 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

Ecology & Environment Inc. LJMS Version #: 040716_1300

Wednesday, July 21, 2004 1:44:47 PM



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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

Metals, TAL by ICP Method 6010B
 Sample ID: 0407125-06BS

Run Batch ID: OPTIMA3300_040717C
 Analyte Type / Name

Client Sample ID: FB071304

SeqNo: 894232
 Analysis Date: 7/17/2004 11:45:36 AM
 Prep Batch ID: 200402854

Result MDL
 1156 1.340

Test Code: 1_6010B_TAL_W

Units: µg/L
 DF: 1 DL_No: 1

Prep Date: 7/15/2004
 RPD RPD Limit 1 Qual

HighLimit 75
 LowLimit 125

Orig Result %REC
 1000 0 116 75

RL Spike Value
 10.00 1000

Definitions:

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

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Metals, TAL by ICP Method 6010B

Sample ID: LCS-200402854

Client Sample ID:

Run Batch ID: OPTIMA3300_040715F

SeqNo: 993522

Analysis Date: 7/15/2004 11:02:22 PM

Prep Batch ID: 200402854

Analyte Type / Name

Result

MDL

RL

Spike Value

Orig Result

%REC

LowLimit

HighLimit

RPD

RPD Limit 1

Qual

Test Code: 1_6010B_TAL_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 7/15/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
A Aluminum	912.3	25.20	200.0	1000	1000	0	91	80	120		
A Calcium	10670	175.0	1500	10000	10000	0	107	80	120		
A Cobalt	1112	0.5850	20.00	1000	1000	0	111	80	120		
A Copper	1021	3.340	20.00	1000	1000	0	102	80	120		
A Iron	10830	46.40	200.0	10000	10000	0	108	80	120		
A Lead	1090	4.650	5.000	1000	1000	0	109	80	120		
A Magnesium	10190	30.00	1500	10000	10000	0	102	80	120		
A Nickel	1092	1.610	20.00	1000	1000	0	109	80	120		
A Potassium	10640	149.0	1500	10000	10000	0	106	80	120		
A Silver	47.05	1.180	10.00	50.00	50.00	0	94	80	120		
A Sodium	10310	47.30	1500	10000	10000	0	103	80	120		
A Vanadium	1048	2.960	20.00	1000	1000	0	105	80	120		
A Zinc	1073	1.850	20.00	1000	1000	0	107	80	120		

Definitions:

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

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

Ecology & Environment Inc. LIMS Version #: 040716.1300

Wednesday, July 21, 2004 1:44:49 PM



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 Lancaster, New York 14086

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike

Metals, TAL by ICP Method 6010B
 Sample ID: LCS-200402854

Test Code: 1_6010B_TAL_W

Units: µg/L

Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: OPTIMA3300_040717C

Analysis Date: 7/17/2004 11:11:18 AM

Prep Date: 7/15/2004

Analyte Type / Name

SeqNo: 994226

Prep Batch ID: 200402854

A Manganese

Result 1127

RL 10.00

Spike Value 1000

%REC 0

LowLimit 113

HighLimit 80

RPD 120

RPD Limit 1

Qual

Definitions:

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

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

MERCURY



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Lancaster, New York 14086

Laboratory Results

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

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID: 0407105-01D

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	7/16/2004 10:04:19 AM	LEEMAN_040716D	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 exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID: 0407105-02D

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	7/16/2004 10:05:48 AM	LEEMAN_040716D	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 exceeds Highest Calibration Standard

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

OC SUMMARY REPORT Method Blank

Mercury Analysis in Water by Method 7470A

Sample ID: MB-200402857 Client Sample ID: Test Code: 1_7470A_HG_W Units: µg/L
 Run Batch ID: LEEMAN_040716D SeqNo: 993641 Analysis Date: 7/16/2004 9:59:25 AM Prep Batch ID: 200402857 DF: 1 DL_No: 1
 Analyte Type / Name Result MDL FL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual
 A Mercury ND 0.05440 0.2000

Definitions:

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Sample Matrix Spike

Mercury Analysis in Water by Method 7470A

Test Code: 1_7470A_HG_W

Units: µg/L

Sample ID: 0407125-06BS Client Sample ID: FB071304

DF: 1 DL_No: 1

Run Batch ID: LEEMAN_040716D

SeqNo: 993642 Analysis Date: 7/16/2004 10:08:34 AM Prep Batch ID: 200402857

Prep Date: 7/15/2004

Analyte Type / Name

Result MDL %REC LowLimit HighLimit RPD RPD Limit 1 Qual

A Mercury

1.012 0.05440 0.2000 1.000 0 101 80 120

Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

Mercury Analysis in Water by Method 7470A

Sample ID: 0407125-06BS1 **Client Sample ID:** FB071304

Run Batch ID: LEEMAN_040716D **SeqNo:** 983643

Analysis Date: 7/16/2004 10:09:49 AM **Prep Batch ID:** 200402857

Analyte Type / Name

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

A Mercury

1.065 0.05440 0.2000 1.000 0 106 80 120 5.1 20

Test Code: 1_7470A_HG_W

Units: µg/L

DF: 1 **DL_No:** 1

Prep Date: 7/16/2004

Definitions:

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

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



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Laboratory Results

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

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Mercury Analysis in Water by Method 7470A

Sample ID: LCS-200402857

Client Sample ID:

Run Batch ID: LEEMAN_040716D

SeqNo: 993840

Analysis Date: 7/16/2004 10:02:38 AM

Prep Batch ID: 200402857

DF: 1 DL_No: 1
Prep Date: 7/15/2004

Analyte Type / Name

Result

MDL

RL

Spike Value

%REC

LowLimit

HighLimit

RPD

RPD Limit 1

A Mercury

0.9380 0.05440

0.2000

1.000

0

94

80

120

Test Code: 1_7470A_HG_W

Units: µg/L

Definitions:

* - Recovery outside QC limits

DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

E - Result exceeds Highest Calibration Standard

N - Single Column Analysis

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

H - Value Exceeds Maximum Contaminant Level

NC - Not Calculated

R - RPD outside recovery limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

Footnotes: 1 - Represents RSD Limit for Quad Analysis

RL - Reporting Limit

Ecology & Environment Inc. LIMS Version #: 040716.1300

Tuesday, July 20, 2004 8:40:21 AM

GENERAL ANALYTICAL CHEMISTRY



Analytical Services Center

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

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID 0407105-01D

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)	420		1.00	mg/L	1	7/26/2004	WC_HARDNESS_040726A	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



Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID 0407105-02D

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)	409		1.00	mg/L	1	7/26/2004	WC_HARDNESS_040726A	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: 0407105
Project: Mr. C's Dry Cleaners
QC SUMMARY REPORT
 Method Blank

Hardness, Total by Method EPA 130.2
 Sample ID MB-040726141 Client Sample ID: Units: mg/L
 Run Batch ID: WC_HARDNESS_040726A SeqNo: 997877 DF: 1 DL_No: 1
 Analyte Type / Name: WC_HARDNESS_040726A Prep Batch ID: 040726141R Prep Date 7/26/2004
 Hardness (As CaCO3) Result: ND MDL 1.000 Analysis Date 7/26/2004 %REC LowLimit HighLimit RPD RPD Limit 1 Qual
 ND 1.000 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 RL - Reporting Limit
 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
 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
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Duplicate

Hardness, Total by Method EPA 130.2

Sample ID: 0407105-01D Client Sample ID: AS Influent

Run Batch ID: WC_HARDNESS_040726A SeqNo: 997880 Analysis Date: 7/26/2004

Analyte Type / Name: Hardness (As CaCO3) Result: 428.0 MDL: 1.000 RL: 1.000 Spike Value: 420.4 %REC: 420.4

HighLimit: 1.8 RPD: 1.8 RPD Limit 1: 20

Test Code: 1_130.2_HARD_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date: 7/26/2004

Prep Batch ID: 040726141R

HighLimit: 1.8 RPD: 1.8 RPD Limit 1: 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 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
- Analyte Types: S - Surrogate I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit



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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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Hardness, Total by Method EPA 130.2

Sample ID **LCS-040726141** Client Sample ID:

Run Batch ID: **WC_HARDNESS_040726A** SeqNo: **997878** Analysis Date **7/26/2004**

Analyte Type / Name: **Hardness (As CaCO3)**
Result: **108.9** MDL: **1.000** RL: **1.000**

Prep Batch ID: **040726141R**

Orig Result: **0** %REC: **0** LowLimit: **90** HighLimit: **110**

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

Units: **mg/L**

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

Prep Date: **7/26/2004**

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
- 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 Calculatd
- 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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Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID 0407105-01B

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)	1100		10	mg/L	1	7/15/2004	SARTORIUS_TDS_040715	RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID 0407105-02B

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)	1100		10	mg/L	1	7/15/2004	SARTORIUS_TDS_040715	RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

Total Dissolved Solids (TDS) by method 160.1

Sample ID MB-040715120 Client Sample ID:

Run Batch ID: SARTORIUS_TDS_040715A SeqNo: 994806

Analyte Type / Name Result MDL Analysis Date 7/15/2004

Test Code: 1_160.1_TDS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/15/2004

HighLimit 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

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 lines)

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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CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Duplicate

Total Dissolved Solids (TDS) by method 160.1

Sample ID: 0407110-02C Client Sample ID: Eff. #20

Run Batch ID: SARTORIUS_TDS_040715A SeqNo: 994811 Analysis Date: 7/15/2004

Analyte Type / Name: Result: 286.0 MDL: 10.00

Total Dissolved Solids (Residue, Filterable): 286.0

Test Code: L_160.1_TDS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date: 7/15/2004

Prep Batch ID: 040715120R

HighLimit: RPD RPD Limit 1 Qual

1.4 20

282.0

10.00

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
- 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
- Analyte Types: S - Surrogate I - Internal Standard



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QC SUMMARY REPORT Laboratory Control Spike

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

Total Dissolved Solids (TDS) by method 160.1

Sample ID LCS-040715120 Client Sample ID:

Run Batch ID: SARTORIUS_TDS_040715A SeqNo: 994807

Analyte Type / Name Result

Total Dissolved Solids (Residue, Filterable) 187.0

Test Code: 1_160.1_TDS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/15/2004

Prep Batch ID: 040715120R

HighLimit RPD RPD Limit 1 Qual

120

%REC LowLimit

80

0

82

227.0

10.00

Analysis Date 7/15/2004

MDL 10.00

MDL

10.00

Result

187.0

Spike Value

227.0

Orig Result

0

%REC

82

LowLimit

10.00

HighLimit

120

RPD

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

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

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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID 0407105-01B

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)	6.0		4.0	mg/L	1	7/15/2004	SARTORIUS_TSS_040715	RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Client: E and E Buffalo Office

Client Sample ID: AS Effluent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID 0407105-02B

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)	5.0		4.0	mg/L	1	7/15/2004	SARTORIUS_TSS_040715	RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

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

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Laboratory Results
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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

Total Suspended Solids (TSS) by method 160.2

Sample ID **MB-040715120** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040715A** SeqNo: **994950** Analysis Date **7/15/2004**

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

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

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

Units: mg/L

DF: 1 DL_No: 1

Prep Date **7/15/2004**

Prep Batch ID: **040715121R**

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 lines)

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

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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QC SUMMARY REPORT

Sample Duplicate

CLIENT: E and E Buffalo Office

Work Order: 0407105

Project: Mr. C's Dry Cleaners

Total Suspended Solids (TSS) by method 160.2

Sample ID 0407110-02C

Client Sample ID: Eff. #20

Run Batch ID: SARTORIUS_TSS_040715A

SeqNo: 994956

Prep Batch ID: 040715121R

DF: 1 DL_No: 1

Analyte Type / Name

Result MDL

Analysis Date 7/15/2004

Prep Date 7/15/2004

RPD RPD Limit 1 Qual

Total Suspended Solids (Residue, Non-Filterabl

ND 4.000

RL 4.000

0

NC 20

Test Code: 1_160.2_TSS_W

Units: mg/L

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 lines H - Value Exceeds Maximum Contaminant Level

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

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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Laboratory Results
 NYS ELAP ID#: 10486
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CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike

Total Suspended Solids (TSS) by method 160.2

Test Code: 1_160.2_TSS_W

Units: mg/L

Sample ID: LCS-040715120 Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: SARTORIUS_TSS_040715A SeqNo: 994952

Prep Date: 7/15/2004

Prep Batch ID: 040715121R

Analyte Type / Name: Result: 313.0

Analysis Date: 7/15/2004

High Limit: RPD RPD Limit: 1 Qual

Total Suspended Solids (Residue, Non-Filterabl

4.000

4.000

267.0

0

117

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 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
- 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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Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Influent

Lab Order: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:00:00 P % Moist:

Lab ID 0407105-01C

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	7/20/2004 3:28:07 PM	LACHAT_CN_040720A	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: 0407105

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/12/2004 12:05:00 P % Moist:

Lab ID 0407105-02C

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	7/20/2004 3:25:10 PM	LCHAT_CN_040720A	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 MCP 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
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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

Cyanide, Total by Method 9012A
 Sample ID **MB-200402900**

Run Batch ID: **LACHAT_CN_040720A**
 Analyte Type / Name: **Cyanide**

Client Sample ID:

SeqNo: **995981**

Result

ND 0.003130

0.01000

Test Code: **1_9012A_CN_W**

Units: mg/L

DF: 1

DL_No: 1

Prep Date **7/20/2004**

Prep Batch ID: **200402900**

Analysis Date **7/20/2004 3:21:19 PM**

MDL

RL

0.01000

Spike Value

%REC

LowLimit

HighLimit

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 line)

N - Single Column Analysis

F - 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

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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Cyanide, Total by Method 9012A
Sample ID 0407105-01CS

Client Sample ID: AS Influent

Run Batch ID: LACHAT_CN_040720A
Analysis Date 7/20/2004 3:27:05 PM
SeqNo: 995982
Prep Batch ID: 200402900
MDL
Result
0.1026 0.003130
0.01000 0.1000 0 103 82 122

Test Code: 1_9012A_CN_W
Units: mg/L
DF: 1 DL_No: 1
Prep Date 7/20/2004
HighLimit RPD RPD Limit 1 Qual

Cyanide

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 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
- Analyte Types: S - Surrogate I - Internal Standard
- DF - Dilution Factor
- J - Estimated value
- ND - Not Detected at the Reporting Limit



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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Cyanide, Total by Method 9012A Units: mg/L
 Sample ID: 0407105-01CS1 Client Sample ID: AS Influent
 Run Batch ID: LACHAT_CN_040720A SeqNo: 995983 Analysis Date 7/20/2004 3:28:02 PM Prep Batch ID: 200402900
 Analyte Type / Name Result MDL Spike Value RL Spike Value Orig Result %REC LowLimit HighLimit RPD RPD Limit 1 Qual
 Cyanide 0.09842 0.003130 0.01000 0.1000 0 98 82 122 4.1 20

Test Code: L_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/20/2004

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
- Footnotes: 1 - Represents RSD Limit for Quad Analysis
- 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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QC SUMMARY REPORT

Laboratory Control Spike

CLIENT: E and E Buffalo Office
Work Order: 0407105
Project: Mr. C's Dry Cleaners

Cyanide, Total by Method 9012A

Sample ID: LCS-200402900
 Run Batch ID: LACHAT_CN_040720A
 Analyte Type / Name: Cyanide

Test Code: T_9012A_CN_W

Units: mg/L

Client Sample ID: 995978
 SeqNo: 995978
 Result: 0.4258
 MDL: 0.003130
 RL: 0.01000
 Spike Value: 0.4000
 %REC: 0
 LowLimit: 82
 HighLimit: 122
 RPD: 122
 RPD Limit: 1
 Qual: 1

DF: 1
 DL_No: 1
 Prep Date: 7/20/2004

Prep Batch ID: 200402900

Qualifier Definitions:

- * - Recovery outside QC limits
- DNT - 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 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
- F - 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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike - High (Water)

Cyanide, Total by Method 9012A
Sample ID LCSH-200402900-1_99598 **Client Sample ID:**
Run Batch ID: LACHAT_CN_040720A **SeqNo:** 995980 **Analysis Date** 7/20/2004 3:24:12 PM **Prep Batch ID:** 200402900
Analyte Type / Name **Result** **MDL** **RL** **Spike Value** **Orig Result** **%REC** **LowLimit** **HighLimit** **RPD** **RPD Limit** **Qual**

Cyanide 0.5521 0.003130 0.01000 0.6000 0 92 90 110

Test Code: 1_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/20/2004

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 lines)
- 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



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: 0407105
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike - Low (Water)

Cyanide, Total by Method 9012A
Sample ID LCSL-200402900-1_99597 **Client Sample ID:**
Run Batch ID: LACHAT_CN_040720A **SeqNo:** 995979
Analyte Type / Name **Result**
 Cyanide 0.09707

Test Code: 1_9012A_CN_W **Units:** mg/L
DF: 1 **DL_No:** 1
Analysis Date 7/20/2004 3:23:15 PM **Prep Batch ID:** 200402900
MDL **Spike Value** **Orig Result** **%REC** **LowLimit** **HighLimit** **RPD** **RPD Limit** **Qual**
 0.01000 0.1000 0 97 90 110

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 lines)
- 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

Attachment C

EEEEPC ASC Analytical Data Package #0407238 July 2004

- **July 22, 2004 – Mid-month Compliance Results
Effluent Analysis Only**



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



July 30, 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.: 0407238

Dear Mr. Mike Steffan,

Analytical Services Center received 1 sample on Thursday, July 22, 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



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: 0407238

CASE NARRATIVE

GCMS VOLATILES

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

Sample analysis

The volatile sample was determined to be at a pH of 7.
Samples were analyzed within hold time.

Calibration and Tunes

Initial and continuing calibrations are acceptable.

QC

Surrogate recoveries are within acceptable limits.
Method blank analysis is acceptable.
Laboratory control sample (LCS) recoveries are acceptable.
Internal standard area responses are acceptable.

METALS

Sample Analysis

The sample was 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.
The RPD values are within the control limits except sodium.
The laboratory control sample (LCS) recoveries are within the control limits.

MERCURY

Sample Analysis

The sample was digested and analyzed within hold time.

Calibrations

Client: E AND E BUFFALO
Project: Mr. C's Dry Cleaners
Lab Order: 0407238

CASE NARRATIVE

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 duplicate and matrix spike results are acceptable.

Laboratory control sample (LCS) recoveries are acceptable.

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

PROJECT NO: 0006991110605
 CLIENT: NYSD&C
 SITE NAME: Mr C's Dry Cleaners
 LOCATION: (include State) EAST AURORA, NY
 CONTAINER TYPE AND PRESERVATIVE: 1-L Poly
1-L Poly
1-L Poly
 REQUESTED ANALYSIS: 1-L Btl

PROJECT MANAGER: MIKE STEFFAN OFFICE No: HQ 2528
 FIELD TEAM LEADER: JAMES MAYS PHONE No: 149
 SAMPLERS: (PRINT) JAMES MAYS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOL'S	Metals	CYANIDE	TSS, TOS, HAPENESS	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
7/22/04	0845	AS EFFLUENT	603	1	1	1	1							
<i>James</i>														

TURNAROUND TIME: 24-HOUR 48-HOUR 1-WEEK STANDARD OTHER 2-week

LAB PROJECT NO.: _____ LAB PROJECT MANAGER: _____

TEMPERATURE BLANK INFO. Enclosed: Yes No Date: _____ Date: _____

Shipped Via: _____ Date/Time: _____ Date/Time: _____

Received By: (Signature) [Signature] Date/Time: 7/22/04 Date/Time: 7/22/04

Relinquished By: (Signature) [Signature] Date/Time: _____ Date/Time: _____

Relinquished By: (Signature) _____ Date/Time: _____ Date/Time: _____

Relinquished By: (Signature) _____ Date/Time: _____ Date/Time: _____

Work Order No: _____



Cooler Receipt Form

No. of Packages:	1	Date Received:	7/22/03
Package Receipt No.:	14049	Project or Site Name:	
Client:	MCCS		

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?	<input checked="" type="radio"/>	<input type="radio"/>	
3. Were custody seals unbroken and intact on receipt?	<input checked="" type="radio"/>	<input type="radio"/>	
4. Were custody seals dated and signed?	<input checked="" type="radio"/>	<input 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: 7/22/04 Cooler(s) opened by: Wally (Signature)

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

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

Airbill No.	Temp. °C	Airbill No.	Temp. °C	Airbill No.	Temp. °C
101	3.5				

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

8. Were the C-O-C forms received? C-O-C forms numbers if present:	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Was enough packing material used in cooler(s)? Type of material: Vermiculite Bubble Wrap Other	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10. If cooling was required, what was the means (type ice) of cooling used: <u>Wet</u> Dry Blue Other			<input type="radio"/>
11. Were all containers sealed in separate plastic bags?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
12. Did all containers arrive unbroken and in good condition?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Interim storage area if not logged: In: Date _____ Time _____ Signature _____ Out: Date _____ Time _____ Signature _____			

C. Login Phase

Samples Logged in By Signature: Wally Date: 7/22/04

14. Were all container labels complete (e.g. date, time preserved)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Were all C-O-C forms filled out properly in black ink and signed?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Did the C-O-C form agree with containers received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. Were the correct containers used for the tests requested?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. Were the correct preservatives listed on the sample labels?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Was a sufficient sample volume sent for the tests requested?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. Were all volatile samples received without headspace?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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



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: 0407238
Date Received: 7/22/2004

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0407238-01A	AS EFFLUENT		7/22/2004 8:45:00 AM
0407238-01B	AS EFFLUENT		7/22/2004 8:45:00 AM
0407238-01C	AS EFFLUENT		7/22/2004 8:45:00 AM
0407238-01D	AS EFFLUENT		7/22/2004 8:45:00 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: 0407238

Client: E and E Buffalo Office

Project: Mr. C's Dry Cleaners

DATES SUMMARY REPORT

LAB Sample ID (CLIENT)	AS EFFLUENT	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type DF	#Analytes	Flag
407238-01A		Water	Low Level VOCs by Method 8260B	7/22/2004 8:45:00 AM	7/22/2004 1:18:00 PM	7-R 7/29/2004 1:18:00 PM	7/23/2004 5:39:00 PM	SAMP 1	48	
407238-01B			Hardness, Total by Method EPA 130.2			180:R 1/18/2005 1:18:00 PM	7/30/2004	SAMP 1	1	
			ICP Digestion of Waters by Method 3010A			180:R 1/18/2005 1:18:00 PM	7/29/2004 9:34:30 AM	NA NA	NA	
			ICP Metals Analysis by Method 6010B			180:R 1/18/2005 1:18:00 PM	7/30/2004 10:28:09 AM	SAMP 1	14	
			Mercury Analysis in Water by Method 7470A			26:R 8/17/2004 1:18:00 PM	7/28/2004 11:41:01 AM	SAMP 1	1	
			Mercury Prep for Waters by Method 7470A			26:R 8/17/2004 1:18:00 PM	7/26/2004 9:24:45 AM	NA NA	NA	
407238-01C			Cyanide Prep, Total for Water by Method 9012A			12:R 8/3/2004 1:18:00 PM	7/29/2004 8:57:26 AM	NA NA	NA	
407238-01D			Cyanide, Total by Method 9012A			12:R 8/3/2004 1:18:00 PM	7/29/2004 1:52:05 PM	SAMP 1	1	
			Total Dissolved Solids (TDS) by method EPA 160.1			5:R 7/27/2004 1:18:00 PM	7/26/2004	SAMP 1	1	
			Total Suspended Solids, Non-filterable Residue			5:R 7/27/2004 1:18:00 PM	7/26/2004	SAMP 1	1	

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

* "Analyzed" reflects the analysis date and time of 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

Client:
Project:
Work Order:

Method References

GCMS Volatiles

VOCs, Low Level by GCMS Method 8260B

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

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.

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 EFFLUENT

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID: 0407238-01A

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	ND		1.00	µg/L	1	7/23/2004 5:39:00 PM	PERRY_040723D	RMJ
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	µg/L	1			
1,1,2-Trichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethane	ND		1.00	µg/L	1			
1,1-Dichloroethene	ND		1.00	µg/L	1			
1,2,4-Trichlorobenzene	ND		1.00	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		5.00	µg/L	1			
1,2-Dibromoethane	ND		1.00	µg/L	1			
1,2-Dichlorobenzene	ND		1.00	µg/L	1			
1,2-Dichloroethane	ND		1.00	µg/L	1			
1,2-Dichloropropane	ND		1.00	µg/L	1			
1,3-Dichlorobenzene	ND		1.00	µg/L	1			
1,4-Dichlorobenzene	ND		1.00	µg/L	1			
2-Butanone	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	3.20		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: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID: 0407238-01A

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	4.34		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	0.227	J	1.00	µg/L	1			
Trichlorofluoromethane	ND		1.00	µg/L	1			
Vinyl chloride	ND		1.00	µg/L	1			
Xylenes, Total	ND		1.00	µg/L	1			
Surr:1,2-Dichloroethane-d4	99		70 - 128	%REC	1	7/23/2004 5:39:00 PM	PERRY_040723D	RMJ
Surr:4-Bromofluorobenzene	109		80 - 119	%REC	1			
Surr:Dibromofluoromethane	98		85 - 110	%REC	1			
Surr:Toluene-d8	97		83 - 110	%REC	1			

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

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

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



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

Lab Order: 0407238

Project: Mr. C's Dry Cleaners

Lab ID: 0407238-01A

Sample Type: SAMP

Client Sample ID: AS EFFLUENT

Alt. Client ID:

Collection Date: 7/22/2004 8:45:00 AM

Matrix: WATER

% Moist:

TENTATIVELY IDENTIFIED COMPOUNDS

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

LOW LEVEL VOCS BY METHOD 8260B

1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

Definitions:

* - Recovery outside QC limits

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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

VOCs, Low Level by GCMS Method 8260B
 Sample ID: MB-1821-33-1 Client Sample ID:

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

Run Batch ID: PERRY_040723D SeqNo: 998094

Analysis Date: 7/23/2004 11:14:00 AM Prep Batch ID: 0407234p1r

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

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

Qualifier Definitions:

- * - Recovery outside QC limits
- 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
- NC - Not Calculated
- R - RPD outside recovery limits
- Analyte Types: 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



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ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0407238

Project: Mr. C's Dry Cleaners

OC SUMMARY REPORT

Method Blank

VOCs, Low Level by GC/MS Method 8260B

Sample ID: MB-1821-33-1 Client Sample ID:

Run Batch ID: PERRY_040723D SeqNo: 998094

Analysis Date: 7/23/2004 11:14:00 AM

Prep Batch ID: 0407234p1r

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

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

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

VOCs, Low Level by GCMS Method 8260B
Sample ID: MB-1821-33-1 **Client Sample ID:**

Run Batch ID: PERRY_040723D **SeqNo:** 998094

Analysis Date: 7/23/2004 11:14:00 AM **Prep Batch ID:** 0407234p1r

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**

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	9.962	0	0		100		70	128			
S 4-Bromofluorobenzene	10.80	0	0		108		80	119			
S Dibromofluoromethane	9.809	0	0		98		85	110			
S Toluene-d8	9.780	0	0		98		83	110			

Qualifier Definitions:

* - Recovery outside QC limits
 DNT - 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)
 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 - RFD 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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NYS ELAP ID#: 10486
 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Client Sample ID:

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date:

Lab ID: MB-1821-33-1

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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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike

VOCs, Low Level by GCMS Method 8260B

Sample ID: LCS-1821-33-1 **Client Sample ID:**

Run Batch ID: PERRY_040723D **SeqNo:** 998095

Analysis Date: 7/23/2004 10:42:00 AM **Prep Batch ID:** 0407234p1r

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-Dichloroethane	9.400	0.1370	1.000	10.00	0	94	80	120			
Benzene	10.32	0.1040	1.000	10.00	0	103	80	120			
Chlorobenzene	10.30	0.1150	1.000	10.00	0	103	80	120			
Toluene	10.21	0.1190	1.000	10.00	0	102	80	120			
Trichloroethene	10.13	0.1630	1.000	10.00	0	101	80	120			
S 1,2-Dichloroethane-d4	9.978	0	0	10.00	0	100	70	128			
S 4-Bromofluorobenzene	9.358	0	0	10.00	0	94	80	119			
S Dibromofluoromethane	9.710	0	0	10.00	0	97	85	110			
S Toluene-d8	9.875	0	0	10.00	0	99	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
 RL - Reporting Limit

D - Diluted due to matrix or extended target compounds
 J - Estimated value
 ND - Not Detected at the Reporting Limit

DF - Dilution Factor
 J - Estimated value
 ND - Not Detected at the 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: 0407238
Project: Mr. C's Dry Cleaners
Test Code: 1_8260B_5030B_TCL_LL_W
Batch ID: PERRY_040723D

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

Sample ID	Type	BR4FBZ	BZMED8	DBFM	DCA12D4				
0407238-01A	SAMP	109	97	98	99				
LCS-1821-33-1	LCS	94	99	97	100				
MB-1821-33-1	MBLK	108	98	98	100				

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

* Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds

METALS



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Laboratory Results

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Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID: 0407238-01B

Sample Type: SAMP

Matrix: Water

Test Code: 1_6010B_TAL_W

ICP METALS ANALYSIS BY METHOD 6010B

Method: SW6010B

Prep Method: SW3010A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Aluminum	ND		400	µg/L	1	7/30/2004 10:28:09 AM	OPTIMA3300_040730A	TJG
Antimony	ND		40.0	µg/L	1			
Calcium	136000		3000	µg/L	1			
Copper	ND		40.0	µg/L	1			
Iron	1710		400	µg/L	1			
Lead	ND		10.0	µg/L	1			
Magnesium	22200		3000	µg/L	1			
Manganese	432		20.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	6100		3000	µg/L	1			
Silver	ND		20.0	µg/L	1			
Sodium	226000		3000	µg/L	1			
Vanadium	ND		40.0	µg/L	1			
Zinc	ND		40.0	µg/L	1			

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

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

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



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Laboratory Results

NYS ELAP ID#: 10486
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CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

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: MB-200403040

Run Batch ID: OPTIMA3300_040730A

Prep Batch ID: 200403040

Prep Date: 7/29/2004

Analysis Date: 7/30/2004 10:16:46 AM

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

Aluminum	ND	25.20	200.0									
Antimony	ND	6.530	20.00									
Arsenic	ND	6.970	25.00									
Barium	ND	0.8970	20.00									
Beryllium	ND	0.1520	5.000									
Cadmium	ND	0.5190	5.000									
Calcium	ND	175.0	1500									
Chromium	ND	0.7290	10.00									
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									
Selenium	ND	6.500	20.00									
Silver	ND	1.180	10.00									
Sodium	ND	47.30	1500									
Thallium	ND	7.440	20.00									
Vanadium	ND	2.960	20.00									

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 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

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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

Metals, TAL by ICP Method 6010B

Sample ID: **MB-200403040** Client Sample ID: **1_6010B_TAL_W** Units: **µg/L**
 Run Batch ID: **OPTIMA3300_040730A** SeqNo: **1000755** Analysis Date: **7/30/2004 10:16:46 AM** Prep Batch ID: **200403040** DF: **1** DL_No: **1**
 Analyte Type / Name: **Zinc** Result: **ND** MDL: **1.850** RL: **20.00** Spike Value: **20.00** Orig Result: **20.00** %REC: **100** LowLimit: **1.850** HighLimit: **20.00** RPD: **1** RPD Limit: **1** Qual: **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 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
- 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



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Laboratory Results
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 Phone: (716) 685-8080

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike

Metals, TAL by ICP Method 6010B
 Sample ID: 0407238-01BS

Test Code: 1_6010B_TAL_W
 Units: µg/L
 DF: 1 DL_No: 1
 Prep Date: 7/29/2004

Client Sample ID: AS EFFLUENT
 SeqNo: 1000758

Analysis Date: 7/30/2004 10:33:54 AM
 Prep Batch ID: 200403040

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	2149	50.40	400.0	2000	57.93	105	75	125			
Antimony	2133	13.10	40.00	2000	0	107	75	125			
Arsenic	2155	13.90	50.00	2000	29.08	106	75	125			
Barium	2371	1.790	40.00	2000	197.8	109	75	125			
Beryllium	2180	0.3040	10.00	2000	0	109	75	125			
Cadmium	2147	1.040	10.00	2000	0	107	75	125			
Calcium	159600	350.0	3000	20000	135500	120	75	125			
Chromium	2180	1.460	20.00	2000	2.031	109	75	125			
Cobalt	2242	1.170	40.00	2000	0	112	75	125			
Copper	2136	6.680	40.00	2000	9.067	106	75	125			
Iron	23150	92.80	400.0	20000	1713	107	75	125			
Lead	2180	9.300	10.00	2000	0	109	75	125			
Magnesium	42960	60.00	3000	20000	22180	104	75	125			
Manganese	2601	2.680	20.00	2000	432.4	108	75	125			
Nickel	2193	3.220	40.00	2000	5.274	109	75	125			
Potassium	27550	298.0	3000	20000	6100	107	75	125			
Selenium	1926	13.00	40.00	2000	56.46	93	75	125			
Silver	97.94	2.360	20.00	100.0	2.385	96	75	125			
Sodium	243300	94.60	3000	20000	226400	85	75	125			
Thallium	2201	14.90	40.00	2000	0	110	75	125			
Vanadium	2156	5.920	40.00	2000	10.66	107	75	125			

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)
 N - Single Column Analysis
 P - Post Spike Recovery outside limits

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

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

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



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Laboratory Results

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CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Metals, TAL by ICP Method 6010B

Sample ID: 0407238-01BS

Run Batch ID: OPTIMA3300_040730A

Analyte Type / Name

Client Sample ID: AS EFFLUENT

SeqNo: 1000758

Result

2130 3.700

Test Code: 1_6010B_TAL_W

Analysis Date: 7/30/2004 10:33:54 AM

Prep Batch ID: 200403040

Prep Date: 7/29/2004

DF: 1 DL_No: 1

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 7/29/2004

RPD RPD Limit 1 Qual

HighLimit

RL

40.00

Spike Value

2000

%REC

106

LowLimit

75

9.413

125

75

Zinc

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

Analyte Types: S - Surrogate 1 - Internal Standard

D - Diluted due to matrix or extended target compounds

NC - Not Calculated

R - RPD outside recovery limits

ND - Not Detected at the Reporting Limit

DF - Dilution Factor

J - Estimated value



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

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Metals, TAL by ICP Method 6010B

Sample ID: 0407238-01BS1 Client Sample ID: AS EFFLUENT

Run Batch ID: OPTIMA3300_040730A SeqNo: 1000759 Analysis Date: 7/30/2004 10:39:43 AM

Test Code: 1_6010B_TAL_W

DF: 1 DL_No: 1

Prep Date: 7/29/2004

Prep Batch ID: 200403040

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	2099	50.40	400.0	2000	57.93	102	75	125	2.4	20	
Antimony	2084	13.10	40.00	2000	0	104	75	125	2.3	20	
Arsenic	2106	13.90	50.00	2000	29.08	104	75	125	2.3	20	
Barium	2317	1.790	40.00	2000	197.8	106	75	125	2.5	20	
Beryllium	2173	0.3040	10.00	2000	0	109	75	125	0.3	20	
Cadmium	2107	1.040	10.00	2000	0	105	75	125	1.9	20	
Calcium	160600	350.0	3000	20000	135500	125	75	125	4.0	20	
Chromium	2133	1.460	20.00	2000	2.031	107	75	125	2.2	20	
Cobalt	2198	1.170	40.00	2000	0	110	75	125	2.0	20	
Copper	2084	6.680	40.00	2000	9.067	104	75	125	2.5	20	
Iron	22980	92.80	400.0	20000	1713	106	75	125	0.8	20	
Lead	2162	9.300	10.00	2000	0	108	75	125	0.8	20	
Magnesium	43130	60.00	3000	20000	22180	105	75	125	0.8	20	
Manganese	2597	2.680	20.00	2000	432.4	108	75	125	0.2	20	
Nickel	2152	3.220	40.00	2000	5.274	107	75	125	1.9	20	
Potassium	27270	298.0	3000	20000	6100	106	75	125	1.3	20	
Selenium	1895	13.00	40.00	2000	56.46	92	75	125	1.7	20	
Silver	95.03	2.360	20.00	100.0	2.385	93	75	125	3.1	20	
Sodium	248300	94.60	3000	20000	226400	110	75	125	25.7	20	R
Thallium	2166	14.90	40.00	2000	0	108	75	125	1.6	20	
Vanadium	2100	5.920	40.00	2000	10.66	104	75	125	2.6	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 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
 I - Internal Standard
 J - Estimated value
 ND - Not Detected at the Reporting Limit
 R - RPD outside recovery limits
 S - Surrogate
 Analyte Types: S - Surrogate I - Internal Standard
 RL - Reporting Limit



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

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Metals, TAL by ICP Method 6010B
 Sample ID: 0407238-01BS1

Client Sample ID: **AS EFFLUENT**
 SeqNo: 1000759

Units: $\mu\text{g/L}$
 DF: 1 DL_No: 1

Run Batch ID: OPTIMA3300_040730A
 Analyte Type / Name

Analysis Date: 7/30/2004 10:39:43 AM
 Prep Batch ID: 200403040

Prep Date: 7/29/2004
 RPD

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Zinc	2083	3,700	40.00	2000	9,413	104	75	125	2.2	20	

Test Code: 1_6010B_TAL_W

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
- Analyte Types: S - Surrogate I - Internal Standard
- DF - Dilution Factor
- ND - Not Detected at the Reporting Limit



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 Lancaster, New York 14086

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

Metals, TAL by ICP Method 6010B

Sample ID: LCS-200403040 Client Sample ID:

Run Batch ID: OPTIMA3300_040730A SeqNo: 1000756 Analysis Date: 7/30/2004 10:22:26 AM

Test Code: 1_6010B_TAL_W

DF: 1 DL_No: 1

Prep Date: 7/29/2004

Analyte Type / Name

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Aluminum	1025	25.20	200.0	1000	0	102	80	120			
Antimony	1040	6.530	20.00	1000	0	104	80	120			
Arsenic	1037	6.970	25.00	1000	0	104	80	120			
Barium	1076	0.8970	20.00	1000	0	108	80	120			
Beryllium	1064	0.1520	5.000	1000	0	106	80	120			
Cadmium	1047	0.5190	5.000	1000	0	105	80	120			
Calcium	10520	175.0	1500	10000	0	105	80	120			
Chromium	1071	0.7290	10.00	1000	0	107	80	120			
Cobalt	1114	0.5850	20.00	1000	0	111	80	120			
Copper	1029	3.340	20.00	1000	0	103	80	120			
Iron	10440	46.40	200.0	10000	0	104	80	120			
Lead	1085	4.650	5.000	1000	0	109	80	120			
Magnesium	10270	30.00	1500	10000	0	103	80	120			
Manganese	1082	1.340	10.00	1000	0	108	80	120			
Nickel	1096	1.610	20.00	1000	0	110	80	120			
Potassium	10320	149.0	1500	10000	0	103	80	120			
Selenium	931.6	6.500	20.00	1000	0	93	80	120			
Silver	47.17	1.180	10.00	50.00	0	94	80	120			
Sodium	10300	47.30	1500	10000	0	103	80	120			
Thallium	1112	7.440	20.00	1000	0	111	80	120			
Vanadium	1052	2.960	20.00	1000	0	105	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)
 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
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Laboratory Control Spike

Metals, TAL by ICP Method 6010B
 Sample ID: LCS-200403040

Test Code: 1_6010B_TAL_W

Units: µg/L

Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: OPTIMA3300_040730A

Prep Batch ID: 200403040

Prep Date: 7/29/2004

SeqNo: 1000756

Analysis Date: 7/30/2004 10:22:26 AM

HighLimit 120

Result 1047

MDL 1.850

RL 20.00

Spike Value 1000

Orig Result 0

%REC 105

LowLimit 80

RPD RPD Limit 1 Qual

Zinc

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

MERCURY



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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: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID: 0407238-01B

Sample Type: SAMP

Matrix: Water

Test Code: 1_7470A_HG_W

MERCURY ANALYSIS IN WATER BY METHOD 7470A

Method: SW7470A

Prep Method: SW7470A

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Mercury	ND		0.200	µg/L	1	7/28/2004 11:41:01 AM	LEEMAN_040728C	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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Method Blank

Mercury Analysis in Water by Method 7470A

Sample ID: **MB-200402981** Client Sample ID:

Run Batch ID: **LEEMAN_040728C** SeqNo: **999372**

Analysis Date: **7/28/2004 11:18:58 AM** Prep Batch ID: **200402981**

Analyte Type / Name

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

Spike Value **0.2000** %REC **0.2000** LowLimit **0.2000**

HighLimit **0.2000** RPD **0.2000** RPD Limit **1** Qual **1**

Test Code: **1_7470A_HG_W**

Units: **µg/L**

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

Prep Date: **7/26/2004**

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

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:

0407238

Project:

Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Mercury Analysis In Water by Method 7470A

Sample ID: 0407225-12FS

Client Sample ID: SW-1-28

Run Batch ID: LEEEMAN_040728C

SeqNo: 999373

Analysis Date: 7/28/2004 11:36:51 AM

Prep Batch ID: 200402981

Analyte Type / Name

Mercury

Result

0.9303

MDL

0.05440

RL

0.2000

Spike Value

1.000

Orig Result

0

%REC

93

LowLimit

80

HighLimit

120

Test Code: 1_7470A_HG_W

Units: µg/L

DF:

1

DL_No:

1

Prep Date:

7/26/2004

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

RPD - Reporting Limit

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

RPD - Reporting Limit



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Phone: (716) 685-8080

CLIENT:

E and E Buffalo Office

Work Order:

0407238

Project:

Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Mercury Analysis in Water by Method 7470A

Sample ID: 0407225-12FS1

Client Sample ID: SW-1-28

Run Batch ID: LEEMAN_040728C

SeqNo: 999374

Analysis Date: 7/28/2004 11:39:18 AM

Prep Batch ID: 200402981

Test Code: 1_7470A_HG_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 7/26/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Mercury	1.001	0.05440	0.2000	1.000	0	100	80	120	7.3	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 linear H - Value Exceeds Maximum Contaminant Level

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

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

Mercury Analysis in Water by Method 7470A

Sample ID: LCS-200402981 Client Sample ID:

Run Batch ID: LEEEMAN_040728C SeqNo: 999371

Analysis Date: 7/28/2004 11:20:19 AM Prep Batch ID: 200402981

Analyte Type / Name

Result	MDL	FL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
1.096	0.05440	0.2000	1.000	0	110	80	120			

Test Code: 1_7470A_HG_W

Units: µg/L

DF: 1 DL_No: 1

Prep Date: 7/28/2004

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 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
- ND - Not Detected at the Reporting Limit
- Analyte Types: S - Surrogate I - Internal Standard

Footnotes: 1 - Represents RSD Limit for Quad Analysis

GENERAL ANALYTICAL CHEMISTRY



Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID 0407238-01B

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)	394		1.00	mg/L	1	7/30/2004	WC_HARDNESS_040730A	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: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

Hardness, Total by Method EPA 130.2

Sample ID **MB-040730140** Client Sample ID:

Run Batch ID: **WC_HARDNESS_040730A** SeqNo: **1000780** Analysis Date **7/30/2004**

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 **7/30/2004**

Prep Batch ID: **040730140R**

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
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Duplicate

Hardness, Total by Method EPA 130.2

Sample ID **0407238-01B** Client Sample ID: **AS EFFLUENT**

Run Batch ID: **WC_HARDNESS_040730A** SeqNo: **1000783** Analysis Date **7/30/2004**

Analyte Type / Name
 Hardness (As CaCO3)

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

Units: mg/L
 DF: 1 DL_No: 1
 Prep Date 7/30/2004
 RPD RPD Limit 1 Qual
 3.7 20

Prep Batch ID: **040730140R**
 %REC LowLimit HighLimit
 394.2

Spike Value Orig Result
 409.2 1.000 1.000

Qualifier Definitions:

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

- 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



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Laboratory Results

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CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Hardness, Total by Method EPA 130.2

Sample ID LCS-040730140 Client Sample ID:

Run Batch ID: WC_HARDNESS_040730A SeqNo: 1000781

Analyte Type / Name Result

Hardness (As CaCO3) 95.73

Test Code: 1_130.2_HARD_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/30/2004

Prep Batch ID: 040730140R

High Limit RPD RPD Limit 1 Qual

110

90

96

0

100.0

1.000

1.000

95.73

MDL

Analysis Date 7/30/2004

RL

Spike Value

Orig Result

%REC

LowLimit

HighLimit

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 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

Analyte Types: S - Surrogate 1 - 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 EFFLUENT

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID 0407238-01D

Sample Type: SAMP

Matrix: Water

Test Code: 1_160.1_TDS_W

TOTAL DISSOLVED SOLIDS (TDS) BY METHOD EPA 160.1

Method: EPA160.1

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Dissolved Solids (Residue, Filterable)	1100		10	mg/L	1	7/26/2004	SARTORIUS_TDS_040726	LMH

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix or extended target compounds

E - Result 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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Method Blank

Total Dissolved Solids (TDS) by method 160.1

Sample ID **MB-040726161** Client Sample ID:
 Run Batch ID: **SARTORIUS_TDS_040726A** SeqNo: **998849**
 Analyte Type / Name

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

Units: mg/L
 DF: 1 DL_No: 1
 Prep Date 7/26/2004

Analysis Date 7/26/2004
 Prep Batch ID: 040726161R
 %REC LowLimit HighLimit 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
 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 line)
 H - Value Exceeds Maximum Contaminant Level
 NC - Not Calculated
 R - RPD outside recovery limits
 Analyte Types: 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



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Laboratory Results

NYS ELAP ID#: 10486
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CLIENT: E and E Buffalo Office

Work Order: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Duplicate

Total Dissolved Solids (TDS) by method 160.1

Sample ID 0407247-01E Client Sample ID: TW06273

Run Batch ID: SARTORIUS_TDS_040726A SeqNo: 998853 Analysis Date 7/26/2004

Analyte Type / Name Result MDL 355.0 10.00

Total Dissolved Solids (Residue, Filterable)

10.00

393.0

Test Code: 1_160.1_TDS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/26/2004

HighLimit RPD RPD Limit 1 Qual

10.2 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 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

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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CLIENT: E and E Buffalo Office

Work Order: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Laboratory Control Spike

Total Dissolved Solids (TDS) by method 160.1

Sample ID LCS-040726161 Client Sample ID:

Run Batch ID: SARTORIUS_TDS_040726A SeqNo: 998850

Analyte Type / Name Result

Test Code: 1_160.1_TDS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/26/2004

Prep Batch ID: 040726161R

RPD RPD Limit 1 Qual

Total Dissolved Solids (Residue, Filterable)

221.0

10.00

227.0

0

97

80

120

%REC

HighLimit

LowLimit

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 line)

N - Single Column Analysis

P - Post Spike Recovery outside limits

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

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

Client: E and E Buffalo Office

Client Sample ID: AS EFFLUENT

Lab Order: 0407238

Alt. Client ID:

Project: Mr. C's Dry Cleaners

Collection Date: 7/22/2004 8:45:00 AM % Moist:

Lab ID 0407238-01D

Sample Type: SAMP

Matrix: Water

Test Code: 1_160.2_TSS_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE

Method: EPA160.2

Prep Method: NA

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Total Suspended Solids (Residue, Non-Filterable)	22		4.0	mg/L	1	7/26/2004	SARTORIUS_TSS_040726	LMH

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

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

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits



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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT Method Blank

Total Suspended Solids (TSS) by method 160.2

Sample ID **MB-040726162** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040726A** SeqNo: **998867** Analysis Date **7/26/2004**

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

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

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

Units: mg/L

DF: 1 DL_No: 1

Prep Date **7/26/2004**

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

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

ecology and environment, inc.

Laboratory Results

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

QC SUMMARY REPORT

Sample Duplicate

CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

Total Suspended Solids (TSS) by method 160.2

Sample ID: 0407247-01E Client Sample ID: TW06273

Run Batch ID: SARTORIUS_TSS_040726A SeqNo: 998871 Analysis Date: 7/26/2004

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

Test Code: 1_160.2_TSS_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date: 7/26/2004

Prep Batch ID: 040726162R

HighLimit: RPD RPD Limit: 1 Qual: NC

0

4.000

4.000

ND

RPD

NC

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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CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

Total Suspended Solids (TSS) by method 160.2

Sample ID **LCS-040726162** Client Sample ID:

Run Batch ID: **SARTORIUS_TSS_040726A** SeqNo: **998868** Analysis Date **7/26/2004**

Analyte Type / Name

Result **304.0**

MDL **4.000**

Spike Value **266.0**

Orig Result **0**

%REC **114**

LowLimit **80**

HighLimit **120**

RPD **RPD Limit 1**

Total Suspended Solids (Residue, Non-Filterabl

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

Units: mg/L

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

Prep Date **7/26/2004**

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 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

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

Lab Order: 0407238

Project: Mr. C's Dry Cleaners

Lab ID 0407238-01C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9012A_CN_W

Client Sample ID: AS EFFLUENT

Alt. Client ID:

Collection Date: 7/22/2004 8:45:00 AM % Moist:

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	7/29/2004 1:52:05 PM	LCHAT_CN_040729A	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

Work Order: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Method Blank

Cyanide, Total by Method 9012A

Sample ID MB-200403029

Client Sample ID:

Test Code: 1_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Run Batch ID: LACHAT_CN_040729A

SeqNo: 1000305

Analysis Date 7/29/2004 1:48:14 PM

Prep Batch ID: 200403029

Prep Date 7/29/2004

Analyte Type / Name

Result MDL

RL 0.003130

Spike Value

Orig Result %REC

HighLimit

RPD

RPD Limit 1 Qual

ND 0.003130 0.01000

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 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

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

ND - Not Detected at the Reporting Limit



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Phone: (716) 685-8080

CLIENT: E and E Buffalo Office

Work Order: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Sample Matrix Spike

Cyanide, Total by Method 9012A

Sample ID 0407238-01CS

Client Sample ID: AS EFFLUENT

Test Code: 1_9012A_CN_W

Units: mg/L

Run Batch ID: LACHAT_CN_040729A

SeqNo: 1000306

Analysis Date 7/29/2004 1:53:03 PM

Prep Batch ID: 200403029

DF: 1 DL_No: 1

Analyte Type / Name

Result

MDL

RL

Spike Value

%REC

HighLimit

RPD

Prep Date 7/29/2004

RPD Limit 1 Qual

Cyanide

0.08478

0.003130

0.1000

0

85

82

122

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 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

Analyte Types: S - Surrogate I - Internal Standard

DF - Dilution Factor

J - Estimated value

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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Cyanide, Total by Method 9012A
 Sample ID: 0407238-01CS1

Test Code: 1_9012A_CN_W

Units: mg/L

Client Sample ID: AS EFFLUENT

DF: 1 DL_No: 1

Run Batch ID: LACHAT_CN_040729A

Prep Batch ID: 200403029

Prep Date 7/29/2004

Analyte Type / Name

SeqNo: 1000307 Analysis Date 7/29/2004 1:54:00 PM

RPD RPD Limit 1 Qual

Cyanide

Result MDL

0.09397 0.003130

0.1000

0 94

82

HighLimit

10.3

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 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

Footnotes: 1 - Represents RSD Limit for Quad Analysis



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CLIENT: E and E Buffalo Office
Work Order: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike - High (Water)

Cyanide, Total by Method 9012A

Sample ID LCH-200403029-1_100030 Client Sample ID:

Run Batch ID: LACHAT_CN_040729A SeqNo: 1000304

Analysis Date 7/29/2004 1:51:08 PM Prep Batch ID: 200403029

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

0.5229 0.003130 0.01000 0.5000 0 105 90 110

Cyanide

Test Code: 1_9012A_CN_W

Units: mg/L

DF: 1 DL_No: 1

Prep Date 7/29/2004

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
- F - 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: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike

Cyanide, Total by Method 9012A

Sample ID LCS-200403029

Run Batch ID: LACHAT_CN_040729A

Analyte Type / Name

Cyanide

Test Code: 1_9012A_CN_W

Units: mg/L

Client Sample ID:

SeqNo: 1000302

Analysis Date 7/29/2004 1:49:12 PM

Prep Batch ID: 200403029

DF: 1 DL_No: 1

Prep Date 7/29/2004

Result

0.4086

MDL

0.003130

RL

0.01000

Spike Value

0.4000

Orig Result

0

%REC

102

LowLimit

82

HighLimit

122

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 lines)

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

Analyte Types: S - Surrogate I - Internal Standard



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CLIENT: E and E Buffalo Office

Work Order: 0407238

Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT

Laboratory Control Spike - Low (Water)

Cyanide, Total by Method 9012A

Sample ID: **LCSL-200403029-1_10003** Client Sample ID:

Run Batch ID: **LACHAT_CN_040729A** SeqNo: **1000303** Analysis Date: **7/29/2004 1:50:10 PM** Prep Batch ID: **200403029**

Analyte Type / Name: **Cyanide** Result: **0.09173** MDL: **0.003130** RL: **0.01000** Spike Value: **0.1000** HighLimit: **90** LowLimit: **92** %REC: **0** RPD: **110** RPD Limit: **1** Qual: **1**

Test Code: **1_9012A_CN_W** Units: mg/L

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

Prep Date: **7/29/2004**

HighLimit: **90** LowLimit: **92** %REC: **0** RPD: **110** RPD Limit: **1** Qual: **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

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

Attachment D

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

October 2003 to July 2004

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs												ATTACHMENT C		
NYSDEC Work Assignment #27.4												Utility Budget:		
12 Months of System Operation and Maintenance												Electric: \$14,400.00		
												Telephone: \$540.00		
												Total: \$14,940.00		
Gas and Electric Utility Provider	Account #	E&E Cost Center	Description	October	November	December	January '04	February	March					
New York State E&G	06-311-11-002616-26	000699.NY06.05	Mr. C's Electric Costs	\$ 923.50	\$ 2,478.36	\$ 2,741.98	\$ 2,482.85	\$ 2,024.17	\$ 2,024.17					
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs					\$ 56.55	\$ 153.32					
			Totals	\$ 923.50	\$ 2,478.36	\$ 2,741.98	\$ 2,482.85	\$ 2,080.72	\$ 2,177.49					
			Mr. C's Electric Costs	April	May	June	July	August	September	October	Ave./Month			
				\$ 1,791.95	\$ 1,633.97	\$ 1,605.43	\$ 1,701.54	\$ -	\$ -	\$ -	\$ 1,940.79			
			Mr. C's Natural Gas Costs								\$ 84.96			
			Totals	\$ 1,882.85	\$ 1,700.34	\$ 1,663.09	\$ 1,701.54	\$ -	\$ -	\$ -	\$ 2,025.75			
			Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$ 19,832.72										
Phone Utility Provider	Phone #	E&E Cost Center	Location Description	October	November	December	January '04	February '04	March '04					
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs	\$ 213.24	\$ 37.32	\$ 39.12	\$ 39.12	\$ 44.18	\$ 44.18					
			Totals	\$ 38.67	\$ 39.75	\$ 38.37	\$ 38.01	\$ -	\$ -	\$ -	\$ 49.56			
			Grand Total - Verizon Costs to Date	\$ 571.96										
			Grand Total All Utilities To Date	\$ 20,404.68										
												****This includes initial connection fees for the phone company of approximate		

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

NYSDEC Work Assignment #27.3

12 Months of System Operation and Maintenance

Budget Remaining:	Electric:	-5,432.72
	Telephone:	-31.96
	Total:	-5,464.68

O&M Months Remaining: 3

Monthly Treatment System Operational Time by O&M Services

Month	Possible OP Hours	Actual OP Hours	Up-Time 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	864	864	100.00%	46%	
August-04					
September-04					
October-04					
Totals to Date	6840	6650	97.22%		

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

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

	Ave./Month	times
Electric	\$ 1,940.79	
Gas	\$ 84.96	
Telephone	\$ 49.56	
	\$ 2,075.31	12 months
		\$24,903.72

ATTACHMENT C