Sutton

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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.

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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 µg/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

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

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:
1. Calculations are based on monthly water samples and assumes samples are representative of the entire period.
2. Calculations assume that non-detect values = 0 ug/L.
3. Calculations are based on influent totalizer readings.
4. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
5. No samples were collected in September 2003. August 2003 values are used.
6. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
7. Treatment system operated by O&M Enterprises from 10/03 to present.
8. 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 ug/L*(1g/10^6 ug)*(1 lb/453.5924 g)*1,858,790 gallons*(3.785 L/gallon)~ 20.37lbs*
Effluent: *3.6 ug/L*(1g/10^6 ug)*(1 lb/453.5924 g)*1,858,790 gallons*(3.785 L/gallon)~ 0.06lbs*
Net Cleanup: July '04 *20.31 lbs*

where, 1313 ug/L is the summation of VOC's detected om 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 m^3/min =	541.975751 m^3/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*m^3/K*mol			

Notes
1. "J" values are included in above calculations. The detection limit on the duplicate analysis of the effluent was 400.
2. "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.
3. Less than values (<) list the practical quantitation limit and indicate that the compound was not detected.
4. Above calculations assume that non-detect values (<) = 0 ug/m3
5. All other compounds were non-detect.
6. 500 SCFM is the assumed average influent flowrate, based on weekly manometer readings
7. NA = Not Applicable
8. Revised calculation based on the following equation:
9. Assuming that blowers are only operating 50% of the total monthly reporting period time.

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

concentration in $\frac{\mu g}{m^3} = \frac{pM}{RT} *$ *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	16	ft
PW-2	(ON)	OFF	5	ft
PW-3	(ON)	OFF	6	ft
PW-4	(ON)	OFF	7	ft
PW-5	(ON)	OFF	4	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 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 H_2O

Air stripper vacuum 23 inches H_2O

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	

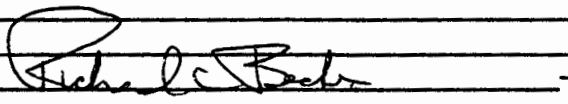
Is there evidence of tampering/vandalism of wells?	YES	(NO)
Were manholes inspected?	YES	(NO)
Were electrical boxes inspected?	YES	(NO)
Is water present in any manholes or electrical boxes?	YES	NO

(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, afterwhich 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 appropiate).
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 

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	16	ft
PW-2	(ON)	OFF	7	ft
PW-3	(ON)	OFF	3	ft
PW-4	(ON)	OFF	6	ft
PW-5	(ON)	OFF	4	ft
PW-6	(ON)	OFF	4	ft
PW-7	(ON)	OFF	9	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	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 H_2O

Air stripper vacuum 25 inches H_2O

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, afterwhich influent flow increased to 113 gpm
Soaked up condensation from drip tray under the filter units.
Removed the effluent flow meter from the dicharge 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	17.34	ft	Comments	
PZ-1A	11.48	ft	Comments	
PZ-1B	11.12	ft	Comments	
PZ-1C	12.3	ft	Comments	
PZ-1D	12.42	ft	Comments	
PW-2	25.32	ft	Comments	
PZ-2A	11.08	ft	Comments	cut lock to place J plug on well
PZ-2B	11.42	ft	Comments	
PZ-2C	10.78	ft	Comments	
PZ-2D	10.9	ft	Comments	
PW-3	23.3	ft	Comments	
PZ-3A	11.48	ft	Comments	
PZ-3B	11.82	ft	Comments	
PZ-3C	12.04	ft	Comments	
PZ-3D	11.8	ft	Comments	
PW-4	20.8	ft	Comments	
PZ-4A	11.92	ft	Comments	
PZ-4B	11.4	ft	Comments	
PZ-4C	11.58	ft	Comments	
PZ-4D	10.9	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	21.5	ft	Comments	
PZ-5A	11.05	ft	Comments	
PZ-5B	11.08	ft	Comments	
PZ-5C	10.65	ft	Comments	
PZ-5D	11.46	ft	Comments	
PW-6	17.7	ft	Comments	
PZ-6A	11.89	ft	Comments	
PZ-6B	11.72	ft	Comments	
PZ-6C	12.98	ft	Comments	
PZ-6D	11.32	ft	Comments	no J plug due to cross bar
PW-7	18.81	ft	Comments	
PZ-7A		ft	Comments	MPI-6S 11.26 new J plug no lock
PZ-7B	12.32	ft	Comments	
PZ-7C		ft	Comments	OW-C 11.78
PZ-7D	11.8	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	16	ft
PW-2	(ON)	OFF	7	ft
PW-3	(ON)	OFF	4	ft
PW-4	(ON)	OFF	4	ft
PW-5	(ON)	OFF	6	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	9	ft
PW-8	(ON)	OFF	19	ft
	Equalization tank		4	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 H_2O

Air stripper vacuum 22 inches H_2O

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 Richard 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	15	ft
PW-2	(ON)	OFF	4	ft
PW-3	(ON)	OFF	4	ft
PW-4	(ON)	OFF	6	ft
PW-5	(ON)	OFF	4	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 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 H_2O

Air stripper vacuum 25 inches H_2O

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 C 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

ASC analytical services center

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

COC ID: _____
Cooler No: _____
Lab: ASC

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

CONTAINER TYPE AND PRESERVATIVE: SUMMA CANISTER; 1L POLY HNO3; 1L POLY NAOH; 1L POLY; 40 ML VOA VIAL-U

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

REQUESTED ANALYSIS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOCs GC/MS	METALS	CYANIDE	TSS, TDS, HARDNESS	VOCs	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
7/12/04	1200	AS INFLUENT	GW		6		X	X	X	X					
	1205	AS EFFLUENT	GW		6		X	X	X	X					
	1010	GAC INFLUENT	A		1	X		SERIAL #			1155T	SCIENTIFIC FIRST.			START: 1010 STOP: 11 10
	1011	GAC EFFLUENT	A		1	X		SERIAL #			1016	SILCOCAN			START: 1011 STOP: 11 11

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	TEMPERATURE BLANK INFO. Enclosed: (Yes) No	LAB PROJECT NO.:	LAB PROJECT MANAGER:
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Ship Via: Date:	(FOR LAB USE ONLY) Date: Time:	
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	BLA/Airbill Number:	Temperature: °C Work Order No.:	

7/12/04 1237 (Relinquished By)
7/12/04 1237 (Received By)

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

F1430602.cdr

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

B. Unpacking Phase

6. Date cooler(s) opened: 7/12/04 Cooler(s) opened by: (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
—	3.0				

Thermometer No.: 230 Correction Factor: (Temp) +1.2 0.0 *If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.

8. Were the C-O-C forms received?	(Yes)	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	(Yes)	No	NA
Type of material: ☐ Vermiculite ☐ Bubble Wrap ☐ Other			
10. If cooling was required, what was the means (type ice) of cooling used: ☒ Wet ☐ Dry ☐ Blue ☐ Other			NA
11. Were all containers sealed in separate plastic bags?	Yes	(No)	NA
12. Did all containers arrive unbroken and in good condition?	(Yes)	No	NA

13. Interim storage area if not logged: _____

In: Date _____ Time _____ Signature _____

Out: Date _____ Time _____ Signature _____

C. Login Phase

Samples Logged In By Signature: Date: 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
a division of ecology and environment, inc.

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
a division of ecology and environment, inc.

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	Low Level VOCs by Method 8260B	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 993773	SAMP	1	48	☐
0407105-02B			Total Dissolved Solids (TDS) by method EPA 160.1			5:R 7/17/2004 12:37:00 PM	7/15/2004 994809	SAMP	1	1	☐
			Total Suspended Solids, Non-filterable Residue			5:R 7/17/2004 12:37:00 PM	7/15/2004 994954	SAMP	1	1	☐
0407105-02C			Cyanide Prep, Total for Water by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 9:04:06 AM 200402900	NA	NA	NA	☐
			Cyanide, Total by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 3:25:10 PM 995984	SAMP	1	1	☐
0407105-02D			Hardness, Total by Method EPA 130.2			180:R 1/8/2005 12:37:00 PM	7/26/2004 997881	SAMP	1	1	☐
			ICP Digestion of Waters by Method 3010A			180:R 1/8/2005 12:37:00 PM	7/15/2004 9:17:21 AM 200402854	NA	NA	NA	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/15/2004 11:24:48 PM 993526	SAMP	1	13	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/17/2004 11:33:52 AM 994230	SAMP	1	1	☐
			Mercury Analysis in Water by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/16/2004 10:05:48 AM 993645	SAMP	1	1	☐
			Mercury Prep for Waters by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/15/2004 9:26:27 AM 200402857	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0407105-01A	AS Influent	Water	Low Level VOCs by Method 8260B	7/12/2004 12:00:00 PM	7/12/2004 12:37:00 PM	7:R 7/19/2004 12:37:00 PM	7/15/2004 12:04:00 PM 993774	SAMP	1	48	☐
0407105-01B			Total Dissolved Solids (TDS) by method EPA 160.1			5:R 7/17/2004 12:37:00 PM	7/15/2004 994808	SAMP	1	1	☐
			Total Suspended Solids, Non-filterable Residue			5:R 7/17/2004 12:37:00 PM	7/15/2004 994953	SAMP	1	1	☐
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 200402900	NA	NA	NA	☐
			Cyanide, Total by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 3:26:07 PM 995985	SAMP	1	1	☐
0407105-01D			Hardness, Total by Method EPA 130.2			180:R 1/8/2005 12:37:00 PM	7/26/2004 997879	SAMP	1	1	☐
			ICP Digestion of Waters by Method 3010A			180:R 1/8/2005 12:37:00 PM	7/15/2004 9:17:21 AM 200402854	NA	NA	NA	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/15/2004 11:19:00 PM 993525	SAMP	1	13	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/17/2004 11:27:58 AM 994229	SAMP	1	1	☐

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

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

LIMS Version #: 040727_1300

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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

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	AS Influent	Water	Low Level VOCs by Method 8260B	7/12/2004 12:00:00 PM	7/12/2004 12:37:00 PM	7:R 7/19/2004 12:37:00 PM	7/15/2004 12:04:00 PM 993774	SAMP	1	48	☐
0407105-01B			Total Dissolved Solids (TDS) by method EPA 160.1			5:R 7/17/2004 12:37:00 PM	7/16/2004 994808	SAMP	1	1	☐
			Total Suspended Solids, Non-filterable Residue			5:R 7/17/2004 12:37:00 PM	7/15/2004 994953	SAMP	1	1	☐
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 200402900	NA	NA	NA	☐
			Cyanide, Total by Method 9012A			12:R 7/24/2004 12:37:00 PM	7/20/2004 3:26:07 PM 995985	SAMP	1	1	☐
0407105-01D			Hardness, Total by Method EPA 130.2			180:R 1/8/2005 12:37:00 PM	7/26/2004 997879	SAMP	1	1	☐
			ICP Digestion of Waters by Method 3010A			180:R 1/8/2005 12:37:00 PM	7/15/2004 9:17:21 AM 200402854	NA	NA	NA	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/16/2004 11:19:00 PM 993525	SAMP	1	13	☐
			ICP Metals Analysis by Method 6010B			180:R 1/8/2005 12:37:00 PM	7/17/2004 11:27:58 AM 994229	SAMP	1	1	☐
			Mercury Analysis in Water by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/16/2004 10:04:19 AM 993644	SAMP	1	1	☐
			Mercury Prep for Waters by Method 7470A			26:R 8/7/2004 12:37:00 PM	7/15/2004 9:26:27 AM 200402857	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0407105-04A	GAC Effluent	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 8:09:00 PM 996204	SAMP	1	41	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0407105-03A	GAC Influent	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 997632	SAMP	20	41	☐

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

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

LIMS Version #: 040727_1300

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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

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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
Client Sample ID: AS Influent
Alt. Client ID:
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
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
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 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
E - 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 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

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
F - 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
Lab Order: 0407105
Project: Mr. C's Dry Cleaners
Client Sample ID: AS Influent
Alt. Client ID:
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
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
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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

Client Sample ID: AS Influent
Alt. Client ID:
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
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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4493 Walden Avenue
Lancaster, New York 14086
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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 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
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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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

Client Sample ID: AS Effluent
Alt. Client ID:
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
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
Lab Order: 0407105
Project: Mr. C's Dry Cleaners

Client Sample ID: AS Effluent
Alt. Client ID:
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
- 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 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

LOW LEVEL VOCS BY METHOD 8260B
1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

efinitions:

- 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
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R - RPD outside recovery limits

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Laboratory Results

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

CLIENT: E and E Buffalo Office
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** Analysis Date: **7/15/2004 8:28:00 AM** Prep Batch ID: **0407154p1r** Prep Date:

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

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result 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

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

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	
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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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

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: GAC Influent
Lab Order: 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

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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

Client Sample ID: GAC Influent
Alt. Client ID:
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
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
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
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M - Matrix Spike Recovery outside limits
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NC - Not Calculated
ND - Not Detected at the Reporting Limit
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R - RPD outside recovery limits

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	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:** SAMP	**Matrix:** AIR **% Moist:**

TENTATIVELY IDENTIFIED COMPOUNDS

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

VOLATILE ORGANICS IN AIR BY METHOD TO-14A
1_TO14_A

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

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	**GAC Influent**
Lab Order:	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
- B - Analyte found in Method blank
- D - Diluted due to matrix or extended target compounds
- DF - Dilution Factor
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- J - Estimated value
- M - Matrix Spike Recovery outside limits
- N - Single Column Analysis
- NC - Not Calculated
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- 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: 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
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			
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
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
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M - Matrix Spike Recovery outside limits
N - Single Column Analysis
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NP - Petroleum Pattern is not present
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R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0407105
Project: Mr. C's Dry Cleaners
Client Sample ID: GAC Influent
Alt. Client ID:
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
- 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

Lab Order: 0407105

Project: Mr. C's Dry Cleaners

Client Sample ID: GAC Effluent

Alt. Client ID:

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

Analytical Services Center
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4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0407105
Project: Mr. C's Dry Cleaners

Client Sample ID: GAC Effluent
Alt. Client ID:
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
- 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: 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

VOLATILE ORGANICS IN AIR BY METHOD TO-14A
1_TO14_A

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

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	**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

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
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			
c	ND		20.0	µg/L	1			

Definitions:

- covery outside QC limits
- 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_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			
c	ND		20.0	µg/L	1			

Definitions:

ecovery 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

GENERAL ANALYTICAL CHEMISTRY

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

Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS Influent
Lab Order: 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:

ecovery 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:
Test Code: *1_130.2_HARD_W* Units: mg/L
Run Batch ID: **WC_HARDNESS_040726A** SeqNo: **997877** Analysis Date **7/26/2004** DF: 1 DL_No: 1
Prep Batch ID: **040726141R** Prep Date **7/26/2004**

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								

Qualifier Definitions:

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

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

Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

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

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: E and E Buffalo Office

Client Sample ID: AS Effluent

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0407105
Project: Mr. C's Dry Cleaners

Client Sample ID: AS Influent
Alt. Client ID:
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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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 0407105-02B **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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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 0407105-01C **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 3:26:07 PM	LACHAT_CN_040720A	LMW

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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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 0407105-02C **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	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

GCMS VOLATILES

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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
Client Sample ID: AS EFFLUENT
Alt. Client ID:
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			
]ichlorobenzene	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:

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab Order: 0407238
Project: Mr. C's Dry Cleaners

Client Sample ID: AS EFFLUENT
Alt. Client ID:
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

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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: 0407238-01A **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

itions:

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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407238
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-1821-33-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **PERRY_040723D** SeqNo: **998094** Analysis Date: **7/23/2004 11:14:00 AM** Prep Batch ID: **0407234p1r** Prep Date:

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

Qualifier Definitions:

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

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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407238
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-1821-33-1** Client Sample ID:

DF: 1 DL_No: 1

Run Batch ID: **PERRY_040723D** SeqNo: **998094** Analysis Date: **7/23/2004 11:14:00 AM** Prep Batch ID: **0407234p1r** Prep Date:

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

Qualifier Definitions:

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

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

Analyte Types: S - Surrogate I - Internal Standard

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 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**
Run Batch ID: **PERRY_040723D** SeqNo: **998094** Analysis Date: **7/23/2004 11:14:00 AM** Prep Batch ID: **0407234p1r** DF: 1 DL_No: 1
Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
	trans-1,2-Dichloroethene	ND	0.1280	1.000								
	trans-1,3-Dichloropropene	ND	0.1120	1.000								
	Trichloroethene	ND	0.1630	1.000								
	Trichlorofluoromethane	ND	0.1850	1.000								
	Vinyl chloride	ND	0.1190	1.000								
	Xylenes, Total	ND	0.3070	1.000								
S	1,2-Dichloroethane-d4	9.962	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
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 maxtrix or extended target compounds
H - Value Exceeds Maximum Contaminant Level
NC - Not Calculated
R - RPD outside recovery limits
DF - Dilution Factor
J - Estimated value
ND - Not Detected at the Reporting Limit

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

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Laboratory Results

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

CLIENT:	E and E Buffalo Office	**Client Sample ID:**	
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

LOW LEVEL VOCS BY METHOD 8260B
1_8260B_5030B_TCL_LL_W

NO TENTATIVELY IDENTIFIED COMPOUNDS

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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 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:
Test Code: ***1_8260B_5030B_TCL_LL_W*** Units: **µg/L**
Run Batch ID: **PERRY_040723D** SeqNo: **998095** Analysis Date: **7/23/2004 10:42:00 AM** Prep Batch ID: **0407234p1r** 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-Dichloroethene	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
B - Analyte found in Method blank
D - Diluted due to maxtrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 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

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_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			
	ND		40.0	µg/L	1			

...ions:

...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

MERCURY

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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_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:

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

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Laboratory Results

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

CLIENT: E and E Buffalo Office
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:
Test Code: *1_7470A_HG_W* Units: *µg/L*
Run Batch ID: **LEEMAN_040728C** SeqNo: **999372** Analysis Date: **7/28/2004 11:18:58 AM** Prep Batch ID: **200402981** 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	ND	0.05440	0.2000								

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 maxtrix 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

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

Laboratory Results

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

CLIENT: E and E Buffalo Office
Work Order: 0407238
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: **0407225-12FS** Client Sample ID: **SW-1-28** DF: 1 DL_No: 1

Run Batch ID: **LEEMAN_040728C** SeqNo: **999373** Analysis Date: **7/28/2004 11:36:51 AM** Prep Batch ID: **200402981** Prep Date: **7/26/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
Mercury	0.9303	0.05440	0.2000	1.000	0	93	80	120			

Qualifier Definitions:

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

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

Analyte Types: S - Surrogate I - Internal Standard

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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** Test Code: *1_7470A_HG_W* Units: *µg/L*

Run Batch ID: **LEEMAN_040728C** SeqNo: **999374** Analysis Date: **7/28/2004 11:39:18 AM** Prep Batch ID: **200402981** 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
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
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

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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

Mercury Analysis in Water by Method 7470A

Sample ID: **LCS-200402981** Client Sample ID:
Test Code: *1_7470A_HG_W* Units: *µg/L*
Run Batch ID: **LEEMAN_040728C** SeqNo: **999371** Analysis Date: **7/28/2004 11:20:19 AM** Prep Batch ID: **200402981** 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	1.096	0.05440	0.2000	1.000	0	110	80	120			

Qualifier Definitions:

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

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

Analyte Types: S - Surrogate I - Internal Standard

GENERAL ANALYTICAL CHEMISTRY

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Laboratory Results

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

Client: E and E Buffalo Office
Client Sample ID: AS 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:

- very outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to maxtrix 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: 0407238
Project: Mr. C's Dry Cleaners

QC SUMMARY REPORT
Method Blank

Hardness, Total by Method EPA 130.2

Test Code: *1_130.2_HARD_W* Units: **mg/L**

Sample ID **MB-040730140** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **WC_HARDNESS_040730A** SeqNo: **1000780** Analysis Date **7/30/2004** Prep Batch ID: **040730140R** Prep 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								

Qualifier Definitions:

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

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

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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

Test Code: *1_130.2_HARD_W* Units: mg/L

Sample ID **0407238-01B** Client Sample ID: **AS EFFLUENT** DF: 1 DL_No: 1

Run Batch ID: **WC_HARDNESS_040730A** SeqNo: **1000783** Analysis Date **7/30/2004** Prep Batch ID: **040730140R** Prep 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)	409.2	1.000	1.000		394.2				3.7	20	

Qualifier Definitions:

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

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

Analyte Types: S - Surrogate I - Internal Standard

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

ATTACHMENT C

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

Utility Budget:	
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**		

	April	May	June	July	August	September	October	Ave. /Month
Mr. C's Electric Costs	$ 1,791.95	$ 1,633.97	$ 1,605.43	$ 1,701.54	$ -	$ -	$ -	$ 1,940.79
Mr. C's Natural Gas Costs	$ 90.90	$ 66.37	$ 57.66					$ 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		
Account#											
716 652 0094 416 26 2											

	April	May	June	July	August	September	October	Ave./Month
	$ 38.67	$ 39.75	$ 38.37	$ 38.01	$ -	$ -	$ -	$ 49.56

Grand Total - Verizon Costs to Date **$ 571.96**

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

Grand Total All Utilities To Date **$ 20,404.68**

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

ATTACHMENT C

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	Percent Capacity*	General Operation Comments
September-03	96	96	100.00%	58%	Shutdown by Tyree after Separable Part B inspection
October-03	168	168	100.00%	6%	Official Startup by O&M on 10/22/03
November-03	720	720	100.00%	5%	
December-03	744	744	100.00%	28%	
January-04	672	672	100.00%	16%	
February-04	696	696	100.00%	21%	
March-04	816	815	99.88%	51%	
April-04	672	670	99.70%	50%	
May-04	696	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04
June-04	696	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning
July-04	864	864	100.00%	46%	100% operational
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			
Electric	$ 1,940.79			
Gas	$ 84.96			
Telephone	$ 49.56			
	$ 2,075.31	times	12 months	$24,903.72