ecology and environment engineering, p.c.

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May 14, 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
April 2004 O&M Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (E&E) is pleased to provide this April 2004 Operation and Maintenance (O&M) Report for the Mr. C's Dry Cleaners Site, Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from E&E's subcontractor O&M Enterprises (OME) are provided as Attachment A. The analytical data package #0404066 (dated 04/06/04) from E&E's Analytical Services Center is provided as Attachment B. The analytical data package #0404125 (dated 04/12/04) from E&E's Analytical Services Center for additional compliance review of the effluent discharge is provided as Attachment C. All analytical results for the report were analyzed at the lowest detection limits.

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

Operational Summary

- One scheduled system shutdown occurred on 4/12/04 in order to pressure wash the air stripper. The system was shutdown for approximately 2 hours then restarted. Once the air stripper was cleaned, the airflow was observed to be slightly higher and the water column on the vacuum line was observed to be one-inch lower, indicating that the pressure washing procedure was effective in improving the performance of the air stripper.
- There were two alarms indicating system power failure received during the week of 4/19/04. Upon closer inspection, it was determined that the fuse in the RACO auto dialer had blown, thus causing the two misleading power failure alarms that were received. R.C. Becken removed the power source from the control panel and provided a different power source with a surge protector on it. The system was operational for 99.70% of the period between 03/29/04 and 04/26/04. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- Pumps PW-2 and PW-3 were turned off by E & E personnel on 03/24/04, in order to determine if this action will affect the Total Dissolved Solids (TDS)

concentration in the effluent groundwater, which has been consistently in excess of the daily maximum concentration, possibly as a result of high concentrations of metals present in the groundwater, which are not removed by the groundwater treatment system. These pumps were restarted on 04/06/04 after monthly compliance sampling was performed. Upon reviewing the monthly compliance sampling results, it was determined that the lack of groundwater from pumping wells PW-2 and PW-3 was not effective in lowering the concentration of Total Dissolved Solids detected in the effluent groundwater.

- The monthly April 2004 influent totalizer indicates that approximately 1,741,730 gallons of groundwater were processed through the treatment system from 03/29/04 to 04/26/04. Because of questionable accuracy, the effluent totalizer readings are not used. Table 2 provides a summary of groundwater volume treated to date. Historical volumes are based on influent totalizer readings provided by the previous contractor's weekly inspection forms.

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

Month (reporting hours)	Operational Up-time (%)[1]
September 2002 (576)	100%
October 2002 (744)	99.33%
November 2002 (720)	93.41%
December 2002 (744)	80.65%
January 2003 (744)	59.15%
February 2003 (672)	63.39%
March 2003 (744)	82.39%
April 2003 (720)	100%
May 2003 (744)	100%
June 2003 (720)	90.0%
July 2003 (744)	100%
August 2003 (744)	100%
September 1-4, 2003 (96)	100%
October 22 -29, 2003 (168)	100%
October 29 - November 25, 2003 (648)	99%
November 25 - December 29, 2003 (816)	100%
December 29, 2003 – January 26, 2004 (672)	100%
January 26, 2004 – February 24, 2004 (696)	100%
February 24, 2004 – March 29, 2004 (816)	99.97%
March 29, 2004 – April 26, 2004 (672)	99.70%

[1] Based on total hours for the month in the reporting period.
Treatment system operated by the Tyree Organization Ltd. From 9/02 - 9/03.
Treatment system operated by O&M Enterprises from 10/03 - present.

- Piezometer measurements were collected on 04/06/04 at the time of compliance sampling. These readings are provided in the weekly inspection reports provided in Attachment A. Due to the presence of a car parked above the well cap, a measurement was not collected at piezometer PZ-1D. These measurements indicate that a cone of depression still exists around all of the wells that were able to be measured.
- Filters in the filtering unit were replaced on 4/6/04, 4/12/04, 4/19/04 and 4/26/04 with 100-micron and 50-micron filters in series. Flow rate dramatically increased as a result. The sequestering agent metering pump was turned off on 1/19/04 to help determine if it is contributing to the binding of the filters and has been off since that time. System evaluation is still being performed. Report of results to be submitted with the May 2004 report.
- The light mounted on the exterior of the building above the garage was noticed to be not working on 3/24/04. Upon closer inspection, it was determined on 4/12/04 that the photoelectric eye in the lighting circuit was preventing the light from turning on in the presence of daylight. Electric circuit and all components of lighting circuit are fully operational.
- Checklists for weekly system inspections are provided as Attachment A for 4/6/04, 4/12/04, 4/19/04, and 4/26/04. Weekly system checks indicate that all operating equipment appear to be operating within normal ranges.
- On April 7, 2004, E & E issued a letter of non-compliance to Mr. Richard Rink – NYSDEC. The letter was written to report non-compliance of Tetrachloroethene (TCE) in January and February 2004. The letter further requested higher limits for Total Dissolved Solids (TDS), since the system does not treat for TDS and has been consistently above the permit maximum limit since operation by Tyree in September 2003. The letter of April 7, 2004 included further corrective action plans for inspecting and cleaning the air stripping unit and additional compliance sampling. Response to the letter and corrective action plan is expected by the NYSDEC Region 9 office in May 2004.

Analytical Summary - Groundwater

- E&E and OME personnel sampled influent and effluent groundwater on April 6, 2004. E&E and OME personnel also sampled effluent groundwater on April 12, 2004 as part of the compliance sampling. The groundwater samples were analyzed for volatile organic compounds (VOCs), metals, total suspended solids (TSS), total dissolved solids (TDS), and hardness. The air samples were analyzed for VOCs only. The results are discussed below.
- Methyl tert-butyl ether (MTBE) (30.1 µg/L), Trichloroethene (64.9 µg/L) and Tetrachloroethene (2160 µg/L) were the only VOCs detected in the influent groundwater during the April 6, 2004 sampling event. There were no VOCs detected in the effluent groundwater during the April 6, 2004 sampling event, which is in compliance with the Effluent Limitations given in Addendum #1 of the Construction Contract Documents.
- During the April 12, 2004 sampling event, Methyl tert-butyl ether (MTBE) (2.00 µg/L) and Tetrachloroethene (1.60 µg/L) were the only VOCs detected in the effluent groundwater samples. Although the April 12, 2004 analytical

results indicate that the concentrations of VOCs in the groundwater have risen since the April 6, 2004 sampling event, historical analytical data from previous months indicate that the VOC concentrations in the groundwater have been decreasing overall, and April 12, 2004 analytical results indicate that the effluent groundwater is in compliance.

- A comparison between the April 6, 2004 analytical values and the Effluent Limitation Requirements are set forth in Table 3.
- A comparison between the April 12, 2004 analytical values and the Effluent Limitation Requirements are set forth in Table 4.
- Approximately 32.8 pounds of VOCs were removed from the influent groundwater, as calculated 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 April 2004.
- The treated groundwater effluent results from April 6, 2004 for metals were all in compliance with the Effluent Limitation Requirements, with the exception of total iron, which appeared in the effluent groundwater in a concentration of 1240 µg/L, which exceeds the Daily Maximum Effluent Discharge Compliance concentration of 600 µg/L. TSS was in compliance while TDS returned above the compliance concentration of 850 mg/L with an actual concentration of 1300 mg/L during the month of April 2004. E&E believes the elevated levels of TDS stem from the high metals concentrations in the groundwater, which are not currently being removed by the treatment system.
- The treated groundwater effluent results from April 12, 2004 were in compliance with the Effluent Limitation Requirements, with the exception of total iron (900 µg/L), which exceeds the compliance concentration of 600 µg/L. TSS and TDS also exceeded the compliance limits with the site Effluent Limitation Requirements.

Analytical Summary - Air

- E&E and OME personnel sampled the air stripper exhaust before and after the granular activated carbon (GAC) vessels on April 6, 2004. Air samples were collected using pre-evacuated SUMMA canisters calibrated to continuously collect a one-hour sample.
- The only VOC detected in the influent air samples was Tetrachloroethene (695 ppbv), whereas no VOCs were detected in the effluent air samples. The results stated above and in Table 6 indicate approximately 100% 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 1.92 lbs of VOCs removed during the April 2004 reporting period. All other VOCs were below the detection limit.
- Evaluation of the usefulness of the GAC vessels will be performed after the May 2004 Analytical Results are reviewed.

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

Very Truly Yours,

Michael G. Steffan
Project Manager

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

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

Month	Actual Period	Gallons
September 2002[1]	9/5/02 - 10/2/02	4,362,477
October 2002[1]	10/2/02 - 11/4/02	4,290,429
November 2002[1]	11/4/02 - 12/2/02	3,326,126
December 2002[1]	12/2/02 - 1/7/03	3,349,029
January 2003[1]	1/7/03 - 2/3/03	1,973,144
February 2003[1]	2/3/03 - 3/10/03	2,158,771
March 2003[1]	3/10/03 - 4/7/03	3,263,897
April 2003[1]	4/7/03 - 5/2/03	2,574,928
May 2003[1]	5/2/03 - 6/2/03	1,652,538
June 2003[1]	6/2/03 - 6/30/03	2,002,990
July 2003[1]	6/30/03 - 7/29/03	2,543,978
August 2003[1]	7/29/03 - 8/25/03	2,042,424
September 2003[1]	8/25/03 - 10/22/03	370,446
October 2003[2]	10/22/03 - 10/29/03	67,424
November 2003[2, 3]	10/29/03 - 11/25/03	224,278
December 2003[2, 3]	11/25/03 - 12/29/03	1,496,271
January 2004[2,3]	12/29/03 - 01/26/04	688,034
February 2004[2,3]	01/26/04 - 02/24/04	736,288
March 2004[2,3]	02/24/04 - 03/29/04	2,164,569
April 2004[2,3]	03/29/04 - 04/26/04	1,741,730
	TOTAL GALLONS	**41,029,771**

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 April 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	April 6, 2004 Value[2]
Flow	216,000	gpd	62,205
pH	6.0 - 9.0	standard units	8.2[4]
1,1 Dichloroethene	10	ug/L	<10.0
1,2 Dichloroethene	10	ug/L	<10.0[5]
Trichloroethene	10	ug/L	<10.0
Tetrachloroethene	10	ug/L	<10.0
Vinyl Chloride	10	ug/L	<10.0
Benzene	5	ug/L	<10.0
Ethyl Benzene	5	ug/L	<10.0
Methylene Chloride	10	ug/L	<10.0
1,1,1 Trichloroethane	10	ug/L	<10.0
Toluene	5	ug/L	<10.0
o-Xylene	5	ug/L	<10.0[3]
m & p-Xylene	10	ug/L	<10.0[3]
Iron, total	600	ug/L	1240
Aluminum	4,000	ug/L	<200
Copper	48	ug/L	<25.0
Lead	11	ug/L	<6.00
Manganese	2,000	ug/L	360
Silver	100	ug/L	<10.0
Vanadium	28	ug/L	<50.0
Zinc	230	ug/L	<20.0
Total Dissolved Solids	850	mg/L	1300
Total Suspended Solids	20	mg/L	<4.0
Cyanide, Free	10	ug/L	<10

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
2. Values based on monthly samples collected 04/06/04.
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 04/06/04.
5. Analytical report listed trans-1,2-Dichloroethene as well as cis-1,2-Dichloroethene. Both analytes were listed as non-detect, <10.0 ug/L.

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	April 12, 2004 Value[2]
Flow	216,000	gpd	62,205
pH	6.0 - 9.0	standard units	8.2[4]
1,1 Dichloroethene	10	ug/L	<1.00
1,2 Dichloroethene	10	ug/L	<1.00[5]
Trichloroethene	10	ug/L	<1.00
Tetrachloroethene	10	ug/L	1.60
Vinyl Chloride	10	ug/L	<1.00
Benzene	5	ug/L	<1.00
Ethyl Benzene	5	ug/L	<1.00
Methylene Chloride	10	ug/L	<1.00
1,1,1 Trichloroethane	10	ug/L	<1.00
Toluene	5	ug/L	<1.00
o-Xylene	5	ug/L	<1.00[3]
m & p-Xylene	10	ug/L	<1.00[3]
Iron, total	600	ug/L	900
Aluminum	4,000	ug/L	<200
Copper	48	ug/L	<25.0
Lead	11	ug/L	<6.00
Manganese	2,000	ug/L	289
Silver	100	ug/L	<10.0
Vanadium	28	ug/L	<50.0
Zinc	230	ug/L	<20.0
Total Dissolved Solids	850	mg/L	1200
Total Suspended Solids	20	mg/L	31.0
Cyanide, Free	10	ug/L	<10

NOTES:
1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
2. Values based on monthly samples collected 04/12/04 unless otherwise noted.
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 04/06/04.
5. Analytical report listed trans-1,2-Dichloroethene as well as cis-1,2-Dichloroethene. Both analytes were listed as non-detect, <10.0 ug/L.

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
		Total pounds of VOCs removed from inception =		658.3

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 April 6, 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:

2255 ug/L(1g/10^6 ug)*(1 lb/453.5924 g)*1,741,730 gallons*(3.785 L/gallon)~ 32.8lbs*

where, 2255 ug/L is the summation of VOC's detected om the influent groundwater and 1,741,730 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
April 2004

Compound	Molecular Weight (g/mol)	Intake Concentration (Pre-GAC) (ppbv)	Exhaust Concentration (Post-GAC) (ppbv)	Treatment Efficiency (%)	Total Destroyed (ppbv)	Total Destroyed (ppmv)	Total Destroyed (ug/m^3)	Total Destroyed (ug)	Total Destroyed (mg)	Total Destroyed (lbs)
1,1-Dichloroethane	98.97	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloroethane	98.96	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloropropane	112.99	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,3-Dichlorobenzene	147.00	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,4-Dichlorobenzene	147.01	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Benzene	78.11	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Benzyl chloride	126.59	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Bromomethane	94.95	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Carbon tetrachloride	153.82	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chlorobenzene	112.56	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
cis-1,2-Dichloroethylene	96.94	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
cis-1,3-Dichloropropene	110.97	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Dichlorodifluoromethane	120.91	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Hexachlorobutadiene	260.7	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Tetrachloroethene	165.83	695	<5.00	100%	695.0	0.695	4790.08	869317064	869317.06	1.92
Toluene	92.13	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Trichloroethylene	131.4	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Vinyl Chloride	62.5	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Methylene Chloride	84.93	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloromethane	50.49	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloroethane	65.51	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dibromoethane	187.88	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichlorobenzene	147.01	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Styrene	104.15	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2,2-Tetrachloroethane	167.85	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Trichlorofluoromethane	137.38	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1-Dichloroethylene	96.94	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Chloroform	119.38	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,1-Trichloroethane	133.41	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,1,2-Trichloroethane	133.41	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
m,p-Xylene	106.16	<100.0	<10.0	NA	0.0	0	0.00	0	0.00	0.00
o-Xylene	106.16	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Xylene (total)	318.50	<150.0	<15.0	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trimethylbenzene	120.19	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,2,4-Trichlorobenzene	181.46	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
Ethylbenzene	106.17	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
1,3,5-Trimethylbenzene	120.19	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
trans-1,2-Dichloroethene	96.94	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
trans-1,3-Dichloropropene	110.97	<50.0	<5.00	NA	0.0	0	0.00	0	0.00	0.00
									TOTAL =	**1.92**

Flowrate = 317.87166 scfm = 9.00212542 m^3/min = 540.12753 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 $mb*m^3/K*mol$

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

Notes
1. "J" values are included in above calculations
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.
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.

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
April 2004

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

Date/Time 4/6/04 9:00

Inspection personnel RC Becken

Other personnel on site Jim Mays

Weather Conditions Sunny 32 degrees

Are all well pumps operating in auto? YES (NO)
If "NO", provide explanation
PW-2 and PW-3 were turned off by E&E personnel

Provide water level readings on control panel

RW-1	(ON)	OFF	12	ft
PW-2	ON	(OFF)	20	ft
PW-3	ON	(OFF)	16	ft
PW-4	(ON)	OFF	8	ft
PW-5	(ON)	OFF	8	ft
PW-6	(ON)	OFF	4	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	9	ft
	Equalization tank		4	ft

Influent Flow Rate 93.13 gpm

Influent Totalizer Reading 2346730 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 0 / 0 psi

Bag filter bottom pressure 5 /// 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 16.5 inches H_2O

Air stripper vacuum 15.5 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 22 psi

Effluent flow rate 112.2 gpm

Effluent Totalizer reading 800539 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 57 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 2"

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent	as influent	9:30	7.72	10.37	53.6
Air stripper effluent	as effluent	9:40	8.2	9.5	52.7
GAC influent		9:20-10:20	NA	NA	
GAC effluent		9:20-10:20	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:
Upon entering the treatment facility the influent flow was 19 gpm after changing the filters the flow increased to 93 gpm. Took water level measurements.
Turned off the treatment system and checked the stripper tray myself, it looks clean to me and I agree with Jim Mays and Chad Becken, but next week I will bring the pressure washer with me and clean it just in case the three of us are missing something.

Describe any other system maintenance performed

Signature

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

Date 4/6/04 Measurements taken by RC Becker Jim Mays

RW-1	15.61	ft	Comments	
PZ-1A	10.3	ft	Comments	
PZ-1B	9.89	ft	Comments	
PZ-1C	11.08	ft	Comments	
PZ-1D		ft	Comments	car parked on well
PW-2	23.8	ft	Comments	
PZ-2A	9.87	ft	Comments	
PZ-2B	10.18	ft	Comments	
PZ-2C	9.74	ft	Comments	
PZ-2D	9.51	ft	Comments	
PW-3	24.2	ft	Comments	
PZ-3A	10.29	ft	Comments	
PZ-3B	10.4	ft	Comments	
PZ-3C	10.82	ft	Comments	
PZ-3D	10.37	ft	Comments	
PW-4	18.5	ft	Comments	
PZ-4A	11.03	ft	Comments	
PZ-4B	10.26	ft	Comments	
PZ-4C	10.51	ft	Comments	
PZ-4D	9.67	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 4/6/04 Measurements taken by RC Becker Jim Mays

PW-5	19.7	ft	Comments
PZ-5A	9.34	ft	Comments
PZ-5B	9.9	ft	Comments
PZ-5C	9.45	ft	Comments
PZ-5D	10.27	ft	Comments
PW-6	19.3	ft	Comments
PZ-6A	10.81	ft	Comments
PZ-6B	10.61	ft	Comments
PZ-6C	10.91	ft	Comments
PZ-6D	10.71	ft	Comments
PW-7	17.11	ft	Comments
PZ-7A	10.88	ft	Comments
PZ-7B	11.1	ft	Comments
PZ-7C	10.57	ft	Comments
PZ-7D	10.53	ft	Comments
PW-8	19.2	ft	Comments
PZ-8A	7.48	ft	Comments
PZ-8B	6.93	ft	Comments
PZ-8C	7.35	ft	Comments
PZ-8D	7.37	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 4/12/04 9:00

Inspection personnel RC Becken

Other personnel on site Chuck Taber

Weather Conditions clear 41 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	6	ft
PW-3	(ON)	OFF	7	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	4	ft
PW-7	(ON)	OFF	10	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 27.75 gpm

Influent Totalizer Reading 2706491 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 / 16 psi

Bag filter bottom pressure 10 \ 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 6 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.17 inches H_2O

Air stripper vacuum 17.5 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 20 psi

Effluent flow rate 117.8 gpm

Effluent Totalizer reading 145350 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 58 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, pressure washed the inside of the stripper tray, after which the air flow was slightly higher, vacuum was down 1 inch of water column.

Signature

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

Date/Time 4/19/04 9:05

Inspection personnel RC Becken

Other personnel on site Charlie Taber

Weather Conditions sunny 71 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	17	ft
PW-2	(ON)	OFF	5	ft
PW-3	(ON)	OFF	5	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	5	ft
PW-7	(ON)	OFF	11	ft
PW-8	(ON)	OFF	6	ft
	Equalization tank		4	ft

Influent Flow Rate 24.05 gpm

Influent Totalizer Reading 3140367 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 30 \ 18 psi

Bag filter bottom pressure 12 \ 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 6 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.175 inches H_2O

Air stripper vacuum 16.5 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 22 psi

Effluent flow rate 121 gpm

Effluent Totalizer reading 272828 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 influent flow increased from 24 gpm to 73 gpm
Water in all of the manholes appr. 4 feet in depth

Signature _____

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

Date/Time 4/26/04

Inspection personnel RC Becken

Other personnel on site Charlie Taber

Weather Conditions light rain 50 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	6	ft
PW-3	(ON)	OFF	3	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	7	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	10	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 37.38 gpm

Influent Totalizer Reading 3654330 gallons

Sequestering agent drum level 2" ft-in

Amount of sequestering agent remaining 85 gallons

Sequestering agent feed rate 0 gpm

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22\10 psi

Bag filter bottom pressure 10\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 6 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.17 inches H_2O

Air stripper vacuum 17 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 5 psi

Effluent flow rate 118 gpm

Effluent Totalizer reading 578446 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 61 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:

There were two alarms this past week both for power failure. The power had not been lost but the fuse for the auto dailer had blown. I removed the power source from the control panel and provided a different power source with a surge protector on it.

Describe any other system maintenance performed
Flow increased to 95 gpm after changing filters
I just realized this morning that I have been reading the wrong scale on the pressure gage for the effluent pump.

Signature

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: 1
Lab: ASC
Page: 1 of 1

PROJECT NO: 000699 NY0605
CLIENT: NYSDEC
LOCATION: (Include State) EAST AURORA, NY
SITE NAME: MR. C's DRY CLEANERS #1

CONTAINER TYPE AND PRESERVATIVE
SUMMA CANISTER | 16oz POLY HNO3 | 1L POLY NaOH | 1L POLY | 40mL VOA

TURNAROUND TIME:
24-HOUR ☐ R
48-HOUR ☐ U
1-WEEK ☐ S
STANDARD ☒ H
OTHER _____

PROJECT MANAGER: M. STEFFAN
OFFICE No.: HQ EXT 2528
FIELD TEAM LEADER: J. MAYS
PHONE No.: HQ EXT 2626
SAMPLERS:(PRINT) RICK BECKEN / JAMES MAYS

REQUESTED ANALYSIS

DATE	TIME	SAMPLE ID	MATRIX CODE	CHECK FOR MS/MSD	NO. OF CONTAINERS	SAMPLE CODES	VOC's (TO-14A)	METALS	CYANIDE	TSS, TDS, HARDNESS	VOC's	OVA/HNU READINGS (PPM)	BEGINNING DEPTH (FEET BGS)	ENDING DEPTH (FEET BGS)	REMARKS
5/3/04	0947	AS Influent	GW		6		1	1	1	3					
5/3/04	0958	AS Effluent	GW		6		1	1	1	3					
5/3/04	1035	GAC Influent	A		1	X					Grasby Serial #03255				START - 0935 STOP - 1035
5/3/04	1037	GAC Effluent	A		1	X					SilcoCan Serial #1012				START - 0937 STOP - 1037

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	TEMPERATURE BLANK INFO.	LAB PROJECT NO.:	LAB PROJECT MANAGER:
[signature]	1301 5/3/04	[signature]	5/3/04 1301	Enclosed: (Yes) No		
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	Ship Via: Date:	(FOR LAB USE ONLY)	
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Date/Time:	BLA/Airbill Number:	Date: Time: Temperature: C° Work Order No:	

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

F1430602.cdr

OPERATION and MAINTENANCE REPORT
MR. C's DRY CLEANERS GROUNDWATER REMEDIATION
SITE # 9-15-157
CONTRACT # D004180
East Aurora, New York

Date of Inspection: 5/3/04 **Weather Conditions:** Cloudy TEMP 38°F

Name of Inspector: J. MAYS

Other Personnel on site: Rick Becken O&M ENTERPRISES DAUG DEC

Item	Readings	Comments
Are all well pumps operating in the Auto Mode:	YES	
Average Influent Totalizer Reading:	4054615	FLOW RATE 25.13
Average Effluent Totalizer Reading:	618746	FLOW RATE 120.3
Average water level of 3,000- gallon Tank:	4	
Air stripper vacuum:	.17	
Air Stripper Pressure:	17	
Air Stripper velocity:		
Influent Pump operating:	(yes)/no	
Influent Pump pressure:		SEE R. Becken Checklist *
Effluent Pump operating:	(yes)/no	
Effluent Pump pressure:	4	
Bag Filter Top pressure:	22/19	RETURN Right
Bag Filter Bottom pressure:	16/10	" "
Are any pipes leaking:	yes/(no)	
Chemical pump rate:	NA	
Is water in the Sump Pump:	yes/(no)	
GAC #1 pressure:		
GAC #2 pressure:		
Sequestering Agent Drum in use and level:	NA	
Amount of waste in 55-gallon drum:	3"	
Building heaters operating:	yes/no	
Is Treatment System area clean:	(yes)/no	
EXTERIOR		
Are all well and piezometers locked:	yes/no	
Is there evidence of tampering with wells:	yes/no	
Are manhole covers in place:	yes/no	
Are electrical box covers in place:	yes/no	
Is water present in manholes:	yes/no	
Is water present in electrical boxes:	yes/no	
Treatment Building condition:	G/F/P	

Narrative Report:

GAC INFLUENT Serial # 05255 GIRASEBY START-0935 STOP

GAC EFFLUENT Serial #1012 Silco Carb START - 0937 STOP -

* SEE WATER parameters on R. Becken's check list.

Attachment B
E&E ASC Analytical Data Package #0404066
April 2004

- **April 6, 2004 – Monthly Compliance Results for Air & Groundwater**

Analytical Services Center

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01A **Sample** SAMP **Matrix** Water **Test** 1_ASP_4.2_VOA_W

VOLATILE ORGANIC COMPOUNDS BY METHOD OLM04.2 **Method: OLM04.2_VOA** **Prep Method: OLM04.2_VOA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Dichlorodifluoromethane	ND		10.0	µg/L	1	4/10/2004 2:01:00 PM	NILES_040410B	RMJ
Chloromethane	ND		10.0	µg/L	1			
Vinyl chloride	ND		10.0	µg/L	1			
Bromomethane	ND		10.0	µg/L	1			
Chloroethane	ND		10.0	µg/L	1			
Trichlorofluoromethane	ND		10.0	µg/L	1			
1,1-Dichloroethene	ND		10.0	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	µg/L	1			
Acetone	ND		10.0	µg/L	1			
Carbon disulfide	ND		10.0	µg/L	1			
Methyl acetate	ND		10.0	µg/L	1			
Methylene chloride	ND		10.0	µg/L	1			
trans-1,2-Dichloroethene	ND		10.0	µg/L	1			
Methyl tert-butyl ether	30.1		10.0	µg/L	1			
1,1-Dichloroethane	ND		10.0	µg/L	1			
cis-1,2-Dichloroethene	ND		10.0	µg/L	1			
2-Butanone	ND		10.0	µg/L	1			
Chloroform	ND		10.0	µg/L	1			
1,1,1-Trichloroethane	ND		10.0	µg/L	1			
Cyclohexane	ND		10.0	µg/L	1			
Carbon tetrachloride	ND		10.0	µg/L	1			
Benzene	ND		10.0	µg/L	1			
1,2-Dichloroethane	ND		10.0	µg/L	1			
Trichloroethene	64.9		10.0	µg/L	1			
Methylcyclohexane	ND		10.0	µg/L	1			
1,2-Dichloropropane	ND		10.0	µg/L	1			
Bromodichloromethane	ND		10.0	µg/L	1			
cis-1,3-Dichloropropene	ND		10.0	µg/L	1			
4-Methyl-2-pentanone	ND		10.0	µg/L	1			
Toluene	ND		10.0	µg/L	1			
trans-1,3-Dichloropropene	ND		10.0	µg/L	1			
1,1,2-Trichloroethane	ND		10.0	µg/L	1			
Tetrachloroethene	2160		200	µg/L	20	4/10/2004 3:30:00 PM		
2-Hexanone	ND		10.0	µg/L	1	4/10/2004 2:01:00 PM		
Dibromochloromethane	ND		10.0	µg/L	1			
1,2-Dibromoethane	ND		10.0	µg/L	1			
Chlorobenzene	ND		10.0	µg/L	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix 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 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01A **Sample** SAMP **Matrix** Water **Test** 1_ASP_4.2_VOA_W

VOLATILE ORGANIC COMPOUNDS BY METHOD OLM04.2 **Method: OLM04.2_VOA** **Prep Method: OLM04.2_VOA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Ethylbenzene	ND		10.0	µg/L	1			
Xylenes, Total	ND		10.0	µg/L	1			
Styrene	ND		10.0	µg/L	1			
Bromoform	ND		10.0	µg/L	1			
Isopropylbenzene	ND		10.0	µg/L	1			
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	1			
1,3-Dichlorobenzene	ND		10.0	µg/L	1			
1,4-Dichlorobenzene	ND		10.0	µg/L	1			
1,2-Dichlorobenzene	ND		10.0	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		10.0	µg/L	1			
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1			
Surr:Toluene-d8	98		88 - 110	%REC	1	4/10/2004 2:01:00 PM	NILES_040410B	RMJ
Surr:4-Bromofluorobenzene	91		86 - 115	%REC	1			
Surr:1,2-Dichloroethane-d4	101		76 - 114	%REC	1			

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

Analytical Services Center

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01B **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_HG_W

MERCURY ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_HG** **Prep Method: ILM04.1_HG**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Mercury	ND		0.200	µg/L	1	4/28/2004 10:04:52 AM	LEEMAN_040428B	JLS

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix 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 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01BRE **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_TAL_W

ICP METALS ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_MET** **Prep Method: ILM04.1_MET**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Aluminum	ND		200	µg/L	1	5/3/2004 10:18:51 AM	OPTIMA4300_040503A	SHT
Calcium	161000		5000	µg/L	1			
Cobalt	ND		50.0	µg/L	1			
Copper	ND		25.0	µg/L	1			
Iron	1220		100	µg/L	1			
Lead	ND		15.0	µg/L	5	5/3/2004 11:54:17 AM		
Magnesium	25400		5000	µg/L	1	5/3/2004 10:18:51 AM		
Manganese	338		15.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	6600		5000	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	258000		5000	µg/L	1			
Vanadium	ND		50.0	µg/L	1			
Zinc	ND		20.0	µg/L	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
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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 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 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01C **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_CN_W

TOTAL CYANIDE BY ILM04.1 **Method: ILM04.1_CN** **Prep Method: ILM04.1_CN**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Cyanide	ND		10	µg/L	1	4/15/2004 8:31:19 AM	LACHAT_CN_040414A	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
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NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
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ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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4493 Walden Avenue
Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS INFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01D **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Hardness (As CaCO3)	460		1.00	mg/L	1	4/16/2004	WC_HARDNESS_040416A	MYO

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not presem
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 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
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Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01D **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Total Dissolved Solids (Residue, Filterable)	1300		10	mg/L	1	4/8/2004	SARTORIUS_TDS_040408	LMW

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
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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 exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 4/6/2004 9:36:00 AM **% Moist:**

Lab ID: 0404066-01D **Sample** SAMP **Matrix** Water **Test** 1_160.2_TSS_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE **Method: EPA160.2** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Suspended Solids (Residue, Non-Filterable)	5.0		4.0	mg/L	1	4/8/2004	SARTORIUS_TSS_040408	LMW

Definitions:

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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 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
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Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02A **Sample** SAMP **Matrix** Water **Test** 1_ASP_4.2_VOA_W

VOLATILE ORGANIC COMPOUNDS BY METHOD OLM04.2 **Method: OLM04.2_VOA** **Prep Method: OLM04.2_VOA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Dichlorodifluoromethane	ND		10.0	µg/L	1	4/10/2004 4:30:00 PM	NILES_040410B	RMJ
Chloromethane	ND		10.0	µg/L	1			
Vinyl chloride	ND		10.0	µg/L	1			
Bromomethane	ND		10.0	µg/L	1			
Chloroethane	ND		10.0	µg/L	1			
Trichlorofluoromethane	ND		10.0	µg/L	1			
1,1-Dichloroethene	ND		10.0	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	µg/L	1			
Acetone	ND		10.0	µg/L	1			
Carbon disulfide	ND		10.0	µg/L	1			
Methyl acetate	ND		10.0	µg/L	1			
Methylene chloride	ND		10.0	µg/L	1			
trans-1,2-Dichloroethene	ND		10.0	µg/L	1			
Methyl tert-butyl ether	ND		10.0	µg/L	1			
1,1-Dichloroethane	ND		10.0	µg/L	1			
cis-1,2-Dichloroethene	ND		10.0	µg/L	1			
2-Butanone	ND		10.0	µg/L	1			
Chloroform	ND		10.0	µg/L	1			
1,1,1-Trichloroethane	ND		10.0	µg/L	1			
Cyclohexane	ND		10.0	µg/L	1			
Carbon tetrachloride	ND		10.0	µg/L	1			
Benzene	ND		10.0	µg/L	1			
1,2-Dichloroethane	ND		10.0	µg/L	1			
Trichloroethene	ND		10.0	µg/L	1			
Methylcyclohexane	ND		10.0	µg/L	1			
1,2-Dichloropropane	ND		10.0	µg/L	1			
Bromodichloromethane	ND		10.0	µg/L	1			
cis-1,3-Dichloropropene	ND		10.0	µg/L	1			
4-Methyl-2-pentanone	ND		10.0	µg/L	1			
Toluene	ND		10.0	µg/L	1			
trans-1,3-Dichloropropene	ND		10.0	µg/L	1			
1,1,2-Trichloroethane	ND		10.0	µg/L	1			
Tetrachloroethene	ND		10.0	µg/L	1			
2-Hexanone	ND		10.0	µg/L	1			
Dibromochloromethane	ND		10.0	µg/L	1			
1,2-Dibromoethane	ND		10.0	µg/L	1			
Chlorobenzene	ND		10.0	µg/L	1			

Definitions:

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

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Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS EFFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02A **Sample** SAMP **Matrix** Water **Test** 1_ASP_4.2_VOA_W

VOLATILE ORGANIC COMPOUNDS BY METHOD OLM04.2 **Method: OLM04.2_VOA** **Prep Method: OLM04.2_VOA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Ethylbenzene	ND		10.0	µg/L	1			
Xylenes, Total	ND		10.0	µg/L	1			
Styrene	ND		10.0	µg/L	1			
Bromoform	ND		10.0	µg/L	1			
Isopropylbenzene	ND		10.0	µg/L	1			
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	1			
1,3-Dichlorobenzene	ND		10.0	µg/L	1			
1,4-Dichlorobenzene	ND		10.0	µg/L	1			
1,2-Dichlorobenzene	ND		10.0	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		10.0	µg/L	1			
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1			
Surr:Toluene-d8	100		88 - 110	%REC	1	4/10/2004 4:30:00 PM	NILES_040410B	RMJ
Surr:4-Bromofluorobenzene	92		86 - 115	%REC	1			
Surr:1,2-Dichloroethane-d4	102		76 - 114	%REC	1			

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS EFFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02B **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_HG_W

MERCURY ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_HG** **Prep Method: ILM04.1_HG**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Mercury	ND		0.200	µg/L	1	4/28/2004 10:09:02 AM	LEEMAN_040428B	JLS

Definitions:

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS EFFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02BRE **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_TAL_W

ICP METALS ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_MET** **Prep Method: ILM04.1_MET**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Aluminum	ND		200	µg/L	1	5/3/2004 10:44:10 AM	OPTIMA4300_040503A	SHT
Calcium	162000		5000	µg/L	1			
Cobalt	ND		50.0	µg/L	1			
Copper	ND		25.0	µg/L	1			
Iron	1240		100	µg/L	1			
Lead	ND		6.00	µg/L	2	5/3/2004 11:31:49 AM		
Magnesium	25600		5000	µg/L	1	5/3/2004 10:44:10 AM		
Manganese	360		15.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	6710		5000	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	266000		5000	µg/L	1			
Vanadium	ND		50.0	µg/L	1			
Zinc	ND		20.0	µg/L	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contamnant 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 exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

Analytical Services Center

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Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02C **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_CN_W

TOTAL CYANIDE BY ILM04.1 **Method: ILM04.1_CN** **Prep Method: ILM04.1_CN**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Cyanide	ND		10	µg/L	1	4/15/2004 8:32:19 AM	LACHAT_CN_040414A	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 maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS EFFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02D **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Hardness (As CaCO3)	347		1.00	mg/L	1	4/16/2004	WC_HARDNESS_040416A	MYO

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
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M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **AS EFFLUENT**
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02D **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Total Dissolved Solids (Residue, Filterable)	1300		10	mg/L	1	4/8/2004	SARTORIUS_TDS_040408	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 maxtrix 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

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Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/6/2004 9:40:00 AM **% Moist:**

Lab ID: 0404066-02D **Sample** SAMP **Matrix** Water **Test** 1_160.2_TSS_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE **Method: EPA160.2** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Suspended Solids (Residue, Non-Filterable)	ND		4.0	mg/L	1	4/8/2004	SARTORIUS_TSS_040408	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 maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample GAC INFLUENT
Alt. Client ID:
Collection 4/6/2004 10:21:00 **% Moist:**

Lab ID: 0404066-03A **Sample** DL **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		100	ppbv	20	4/13/2004 2:53:00 PM	JAKE_040413A	DWW
1,1,2,2-Tetrachloroethane	ND		100	ppbv	20			
1,1,2-Trichloro-1,2,2-trifluoroetha ne	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-tetrafluoroet hane	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	ND		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	ND		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	695		100	ppbv	20			
Toluene	ND		100	ppbv	20			
trans-1,2-Dichloroethene	ND		100	ppbv	20			

Definitions:

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

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Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample GAC INFLUENT
Alt. Client ID:
Collection 4/6/2004 10:21:00 **% Moist:**

Lab ID: 0404066-03A **Sample** DL **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
trans-1,3-Dichloropropene	ND		100	ppbv	20			
Trichloroethene	ND		100	ppbv	20			
Trichlorofluoromethane	ND		100	ppbv	20			
Vinyl chloride	ND		100	ppbv	20			
Xylenes, Total	ND		300	ppbv	20			
Surr:1,2-Dichloroethane-d4	103		80 - 120	%REC	20	4/13/2004 2:53:00 PM	JAKE_040413A	DWW
Surr:4-Bromofluorobenzene	100		80 - 120	%REC	20			
Surr:Toluene-d8	99		80 - 120	%REC	20			

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

Analytical Services Center

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **GAC INFLUENT**
Alt. Client ID:
Collection 4/6/2004 10:21:00 **% Moist:**

Lab ID: 0404066-03A **Sample** SAMP **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		50.0	ppbv	10	4/13/2004 12:19:00 PM	JAKE_040413A	DWW
1,1,2,2-Tetrachloroethane	ND		50.0	ppbv	10			
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		50.0	ppbv	10			
1,1,2-Trichloroethane	ND		50.0	ppbv	10			
1,1-Dichloroethane	ND		50.0	ppbv	10			
1,1-Dichloroethene	ND		50.0	ppbv	10			
1,2,4-Trichlorobenzene	ND		50.0	ppbv	10			
1,2,4-Trimethylbenzene	ND		50.0	ppbv	10			
1,2-Dibromoethane	ND		50.0	ppbv	10			
1,2-Dichloro-1,1,2,2-tetrafluoroet hane	ND		50.0	ppbv	10			
1,2-Dichlorobenzene	ND		50.0	ppbv	10			
1,2-Dichloroethane	ND		50.0	ppbv	10			
1,2-Dichloropropane	ND		50.0	ppbv	10			
1,3,5-Trimethylbenzene	ND		50.0	ppbv	10			
1,3-Dichlorobenzene	ND		50.0	ppbv	10			
1,4-Dichlorobenzene	ND		50.0	ppbv	10			
Benzene	ND		50.0	ppbv	10			
Benzyl chloride	ND		50.0	ppbv	10			
Bromomethane	ND		50.0	ppbv	10			
Carbon tetrachloride	ND		50.0	ppbv	10			
Chlorobenzene	ND		50.0	ppbv	10			
Chloroethane	ND		50.0	ppbv	10			
Chloroform	ND		50.0	ppbv	10			
Chloromethane	ND		50.0	ppbv	10			
cis-1,2-Dichloroethene	ND		50.0	ppbv	10			
cis-1,3-Dichloropropene	ND		50.0	ppbv	10			
Dichlorodifluoromethane	ND		50.0	ppbv	10			
Ethylbenzene	ND		50.0	ppbv	10			
Hexachlorobutadiene	ND		50.0	ppbv	10			
m,p-Xylene	ND		100	ppbv	10			
Methylene chloride	ND		50.0	ppbv	10			
o-Xylene	ND		50.0	ppbv	10			
Styrene	ND		50.0	ppbv	10			
Tetrachloroethene	578	E	50.0	ppbv	10			
Toluene	ND		50.0	ppbv	10			
trans-1,2-Dichloroethene	ND		50.0	ppbv	10			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix 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

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Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample **GAC INFLUENT**
Alt. Client ID:
Collection 4/6/2004 10:21:00 **% Moist:**

Lab ID: 0404066-03A **Sample** SAMP **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
trans-1,3-Dichloropropene	ND		50.0	ppbv	10			
Trichloroethene	ND		50.0	ppbv	10			
Trichlorofluoromethane	ND		50.0	ppbv	10			
Vinyl chloride	ND		50.0	ppbv	10			
Xylenes, Total	ND		150	ppbv	10			
Surr:1,2-Dichloroethane-d4	104		80 - 120	%REC	10	4/13/2004 12:19:00 PM	JAKE_040413A	DWW
Surr:4-Bromofluorobenzene	99		80 - 120	%REC	10			
Surr:Toluene-d8	99		80 - 120	%REC	10			

Definitions:

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

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Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample GAC EFFLUENT
Alt. Client ID:
Collection 4/6/2004 10:22:00 **% Moist:**

Lab ID: 0404066-04A **Sample** SAMP **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		5.00	ppbv	1	4/13/2004 2:17:00 PM	JAKE_040413A	DWW
1,1,2,2-Tetrachloroethane	ND		5.00	ppbv	1			
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		5.00	ppbv	1			
1,1,2-Trichloroethane	ND		5.00	ppbv	1			
1,1-Dichloroethane	ND		5.00	ppbv	1			
1,1-Dichloroethene	ND		5.00	ppbv	1			
1,2,4-Trichlorobenzene	ND		5.00	ppbv	1			
1,2,4-Trimethylbenzene	ND		5.00	ppbv	1			
1,2-Dibromoethane	ND		5.00	ppbv	1			
1,2-Dichloro-1,1,2,2-tetrafluoroet hane	ND		5.00	ppbv	1			
1,2-Dichlorobenzene	ND		5.00	ppbv	1			
1,2-Dichloroethane	ND		5.00	ppbv	1			
1,2-Dichloropropane	ND		5.00	ppbv	1			
1,3,5-Trimethylbenzene	ND		5.00	ppbv	1			
1,3-Dichlorobenzene	ND		5.00	ppbv	1			
1,4-Dichlorobenzene	ND		5.00	ppbv	1			
Benzene	ND		5.00	ppbv	1			
Benzyl chloride	ND		5.00	ppbv	1			
Bromomethane	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	ND		5.00	ppbv	1			
cis-1,2-Dichloroethene	ND		5.00	ppbv	1			
cis-1,3-Dichloropropene	ND		5.00	ppbv	1			
Dichlorodifluoromethane	ND		5.00	ppbv	1			
Ethylbenzene	ND		5.00	ppbv	1			
Hexachlorobutadiene	ND		5.00	ppbv	1			
m,p-Xylene	ND		10.0	ppbv	1			
Methylene chloride	ND		5.00	ppbv	1			
o-Xylene	ND		5.00	ppbv	1			
Styrene	ND		5.00	ppbv	1			
Tetrachloroethene	ND		5.00	ppbv	1			
Toluene	ND		5.00	ppbv	1			
trans-1,2-Dichloroethene	ND		5.00	ppbv	1			

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404066**
Project: Mr. C's Dry Cleaners

Client Sample GAC EFFLUENT
Alt. Client ID:
Collection 4/6/2004 10:22:00 **% Moist:**

Lab ID: 0404066-04A **Sample** SAMP **Matrix** Air **Test** 1_TO14_A

VOLATILE ORGANICS IN AIR BY METHOD TO-14A **Method: EPATO14** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
trans-1,3-Dichloropropene	ND		5.00	ppbv	1			
Trichloroethene	ND		5.00	ppbv	1			
Trichlorofluoromethane	ND		5.00	ppbv	1			
Vinyl chloride	ND		5.00	ppbv	1			
Xylenes, Total	ND		15.0	ppbv	1			
Surr:1,2-Dichloroethane-d4	107		80 - 120	%REC	1	4/13/2004 2:17:00 PM	JAKE_040413A	DWW
Surr:4-Bromofluorobenzene	100		80 - 120	%REC	1			
Surr:Toluene-d8	98		80 - 120	%REC	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix 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

Attachment C
E&E ASC Analytical Data Package #0404125
April 2004

- **April 12, 2004 – Analysis for Effluent Groundwater Only – Discharge Compliance Results**

Analytical Services Center

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

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01A **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
1,1,1-Trichloroethane	ND		1.00	µg/L	1	4/14/2004 11:40:00 PM	LINUS_040414B	RMJ
1,1,2,2-Tetrachloroethane	ND		1.00	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroetha ne	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	2.00		1.00	µg/L	1			

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
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R - RPD outside recovery limits

Analytical Services Center

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

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

Laboratory Results

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01A **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Methylcyclohexane	ND		1.00	µg/L	1			
Methylene chloride	ND		1.00	µg/L	1			
Styrene	ND		1.00	µg/L	1			
Tetrachloroethene	1.60		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	91		70 - 128	%REC	1	4/14/2004 11:40:00 PM	LINUS_040414B	RMJ
Surr:4-Bromofluorobenzene	94		80 - 119	%REC	1			
Surr:Dibromofluoromethane	93		85 - 110	%REC	1			
Surr:Toluene-d8	90		83 - 110	%REC	1			

Definitions:

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

Analytical Services Center

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4493 Walden Avenue
Lancaster, New 14086

Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01B **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Hardness (As CaCO3)	508		1.00	mg/L	1	4/16/2004	WC_HARDNESS_040416A	MYO

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
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DNI - Did not Ignite
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NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
M - Matrix Spike Reco very outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01B **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_HG_W

MERCURY ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_HG** **Prep Method: ILM04.1_HG**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Mercury	ND		0.200	µg/L	1	4/28/2004 10:10:38 AM	LEEMAN_040428B	JLS

Definitions:

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NC - Not Calculated
P - Post Spike Recovery outside limits
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M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01BRE **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_TAL_W

ICP METALS ANALYSIS BY METHOD ILM04.1 **Method: ILM04.1_MET** **Prep Method: ILM04.1_MET**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Aluminum	ND		200	µg/L	1	5/3/2004 10:52:52 AM	OPTIMA4300_040503A	SHT
Calcium	155000		5000	µg/L	1			
Cobalt	ND		50.0	µg/L	1			
Copper	ND		25.0	µg/L	1			
Iron	900		100	µg/L	1			
Lead	ND		6.00	µg/L	2	5/3/2004 11:40:29 AM		
Magnesium	24500		5000	µg/L	1	5/3/2004 10:52:52 AM		
Manganese	289		15.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	6230		5000	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	248000		5000	µg/L	1			
Vanadium	ND		50.0	µg/L	1			
Zinc	ND		20.0	µg/L	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
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N - Single Column Analysis
NP - Petroleum Pattern is not present
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DNI - Did not Ignite
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NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01C **Sample** SAMP **Matrix** Water **Test** 1_ILM04.1_CN_W

TOTAL CYANIDE BY ILM04.1 **Method: ILM04.1_CN** **Prep Method: ILM04.1_CN**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Cyanide	ND		10	µg/L	1	4/15/2004 8:33:19 AM	LACHAT_CN_040414A	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 maxtrix or extended target compounds
E - Result exceeds Highest Calibration Standard
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01D **Sample** SAMP **Matrix** Water **Test** 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	Run Batch	Analyst
Total Dissolved Solids (Residue, Filterable)	1200		10	mg/L	1	4/12/2004	SARTORIUS_TDS_040412	LMH

Definitions:

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

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Laboratory Results

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

Client: E and E Buffalo Office
Lab **0404125**
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 4/12/2004 11:13:00 **% Moist:**

Lab ID: 0404125-01D **Sample** SAMP **Matrix** Water **Test** 1_160.2_TSS_W

TOTAL SUSPENDED SOLIDS, NON-FILTERABLE RESIDUE **Method: EPA160.2** **Prep Method: NA**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Suspended Solids (Residue, Non-Filterable)	31		4.0	mg/L	1	4/12/2004	SARTORIUS_TSS_040412	LMH

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to maxtrix 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