ecology and environment engineering, p.c.

International Specialists in the Environment

Buffalo Corporate Center
368 Pleasant View Dr.
Lancaster, New York 14086
Phone: 716-684-8060   Fax: 716-684-0844

Buffalo, New York

Transmittal Form

JAN 2 0 2004
NY...
REL FOI...
UNREL

WE ARE SENDING TO: Name: Mr. Dave Chiusano

Company: New York State DEC, Div. Of Env. Remediation, 12th Floor

Address: 625 Broadway, Albany, New York 12233-7010

☒ Attached	❑ Under Separate Cover

_____ Prints	_____ Copy of Approvals	_____ - Cost Estimate
_____ Project Information	_____ Samples	_____ - _____
_____ Shop Drawings	_____ Change Orders	_____ - _____
_____ Photos	__X__ Other (explain) - Analytical Results	

Copies	Date	No.	Description
1	1/16/04	1	Mr. C's - October 2003 Laboratory Results - Influent / Effluent waters.
1	1/16/04	2	Mr. C's - November 2003 Laboratory Results - Influent / Effluent waters.
1	1/16/04	3	Mr. C's - December 2003 Laboratory Results - Influent / Effluent waters.

WE ARE TRANSMITTING as checked below:

_____ For Approval	_____ For Your Use	_____ Copies for Approval
__X__ As Requested	_____ Returned from Loan	_____ Copies for Distribution
_____ For Review and Comment	_____ Other (explain)	_____ Corrected Prints

REMARKS:. Dave,
   I have attached the laboratory results for your attachment to the monthly O&M reports for Mr. C's. In the future E&E will include both water and air results in the monthly O&M report. We will also summarize the results in a table showing the efficiencies of the cleanup operations of each environmental matrix.

Signed: *Michael G. Steffan*   Dated: 1/16/04
ecology and environment engineering, p.c.

COPY TO: CTF 000699.NY.06.05
         G. Sutton - NYSDEC - Region 9 - w/attachment
         D. Miller/A. Murphy - E&E Buffalo -   w/attachment
         R. Becken - O&M Enterprises - Buffalo - w/attachment

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

Client: E and E Buffalo Office
Lab 0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01A   **Sample** DL   **Matrix** Water   **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		100	µg/L	10	11/3/2003 12:48:00 PM	ROBERT_031103C	DWW
1,1,2,2-Tetrachloroethane	ND		100	µg/L	10			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	µg/L	10			
1,1,2-Trichloroethane	ND		100	µg/L	10			
1,1-Dichloroethane	ND		100	µg/L	10			
1,1-Dichloroethene	ND		100	µg/L	10			
1,2,4-Trichlorobenzene	ND		100	µg/L	10			
1,2-Dibromo-3-chloropropane	ND		100	µg/L	10			
1,2-Dibromoethane	ND		100	µg/L	10			
1,2-Dichlorobenzene	ND		100	µg/L	10			
1,2-Dichloroethane	ND		100	µg/L	10			
1,2-Dichloropropane	ND		100	µg/L	10			
1,3-Dichlorobenzene	ND		100	µg/L	10			
1,4-Dichlorobenzene	ND		100	µg/L	10			
2-Butanone	ND		100	µg/L	10			
2-Hexanone	ND		100	µg/L	10			
4-Methyl-2-pentanone	ND		100	µg/L	10			
Acetone	ND		100	µg/L	10			
Benzene	ND		100	µg/L	10			
Bromodichloromethane	ND		100	µg/L	10			
~~ oform~~	ND		100	µg/L	10			
~~omethane~~	ND		100	µg/L	10			
Carbon disulfide	ND		100	µg/L	10			
Carbon tetrachloride	ND		100	µg/L	10			
Chlorobenzene	ND		100	µg/L	10			
Chloroethane	ND		100	µg/L	10			
Chloroform	ND		100	µg/L	10			
Chloromethane	ND		100	µg/L	10			
cis-1,2-Dichloroethene	ND		100	µg/L	10			
cis-1,3-Dichloropropene	ND		100	µg/L	10			
Cyclohexane	ND		100	µg/L	10			
Dibromochloromethane	ND		100	µg/L	10			
Dichlorodifluoromethane	ND		100	µg/L	10			
Ethylbenzene	ND		100	µg/L	10			
Isopropylbenzene	ND		100	µg/L	10			
Methyl acetate	ND		100	µg/L	10			
Methyl tert-butyl ether	ND		100	µg/L	10			
Methylcyclohexane	ND		100	µg/L	10			
Methylene chloride	ND		100	µg/L	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

Ecology and Environme Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

ent: E and E Buffalo Office
b   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01A   **Sample**   DL   **Matrix** Water   **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Styrene	ND		100	µg/L	10			
Tetrachloroethene	1570		100	µg/L	10			
Toluene	ND		100	µg/L	10			
trans-1,2-Dichloroethene	ND		100	µg/L	10			
trans-1,3-Dichloropropene	ND		100	µg/L	10			
Trichloroethene	ND		100	µg/L	10			
Trichlorofluoromethane	ND		100	µg/L	10			
Vinyl chloride	ND		100	µg/L	10			
Xylenes, Total	ND		100	µg/L	10			
Surr:1,2-Dichloroethane-d4	102		76 - 114	%REC	10	11/3/2003 12:48:00 PM	ROBERT_031103C	DWW
Surr:4-Bromofluorobenzene	96		86 - 115	%REC	10			
Surr:Toluene-d8	101		88 - 110	%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 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

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Jancaster, New   14086

Laboratory Results

Client:	E and E Buffalo Office	**Client Sample** AS INFLUENT	
Lab	0310322	**Alt. Client ID:**	
Project:	Mr. C's Dry Cleaners	**Collection** 10/29/2003 12:30:00 % Moist:	

Lab ID: 0310322-01A   **Sample** SAMP   **Matrix** Water   **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		10.0	µg/L	1	11/3/2003 10:45:00 AM	ROBERT_031103C	DWW
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		10.0	µg/L	1			
1,1,2-Trichloroethane	ND		10.0	µg/L	1			
1,1-Dichloroethane	ND		10.0	µg/L	1			
1,1-Dichloroethene	ND		10.0	µg/L	1			
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1			
1,2-Dibromo-3-chloropropane	ND		10.0	µg/L	1			
1,2-Dibromoethane	ND		10.0	µg/L	1			
1,2-Dichlorobenzene	ND		10.0	µg/L	1			
1,2-Dichloroethane	ND		10.0	µg/L	1			
1,2-Dichloropropane	ND		10.0	µg/L	1			
1,3-Dichlorobenzene	ND		10.0	µg/L	1			
1,4-Dichlorobenzene	ND		10.0	µg/L	1			
2-Butanone	ND		10.0	µg/L	1			
2-Hexanone	ND		10.0	µg/L	1			
4-Methyl-2-pentanone	ND		10.0	µg/L	1			
Acetone	ND		10.0	µg/L	1			
Benzene	ND		10.0	µg/L	1			
Bromodichloromethane	ND		10.0	µg/L	1			
oform	ND		10.0	µg/L	1			
omomethane	ND		10.0	µg/L	1			
Carbon disulfide	ND		10.0	µg/L	1			
Carbon tetrachloride	ND		10.0	µg/L	1			
Chlorobenzene	ND		10.0	µg/L	1			
Chloroethane	ND		10.0	µg/L	1			
Chloroform	ND		10.0	µg/L	1			
Chloromethane	ND		10.0	µg/L	1			
cis-1,2-Dichloroethene	ND		10.0	µg/L	1			
cis-1,3-Dichloropropene	ND		10.0	µg/L	1			
Cyclohexane	ND		10.0	µg/L	1			
Dibromochloromethane	ND		10.0	µg/L	1			
Dichlorodifluoromethane	ND		10.0	µg/L	1			
Ethylbenzene	ND		10.0	µg/L	1			
Isopropylbenzene	ND		10.0	µg/L	1			
Methyl acetate	ND		10.0	µg/L	1			
Methyl tert-butyl ether	62.3		10.0	µg/L	1			
Methylcyclohexane	ND		10.0	µg/L	1			
Methylene chloride	ND		10.0	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	P - Post Spike Recovery outside limits	R - RPD outside recovery limits

Ecology and Environme⌣ Inc.

Laboratory Results

Analytical Services Center

4493 Walden Avenue
Lancaster, New 14086

NYS ELAP ID#: 10486
Phone (716)

ent: E and E Buffalo Office
⌣b 0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID: .
Collection 10/29/2003 12:30:00 **% Moist:**

Lab ID: 0310322-01A **Sample** SAMP **Matrix** Water **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Styrene	ND		10.0	µg/L	1			
Tetrachloroethene	1290	E	10.0	µg/L	1			
Toluene	ND		10.0	µg/L	1			
trans-1,2-Dichloroethene	ND		10.0	µg/L	1			
trans-1,3-Dichloropropene	ND		10.0	µg/L	1 ·			
Trichloroethene	52.8		10.0	µg/L	1			
Trichlorofluoromethane	ND		10.0	µg/L	1			
Vinyl chloride	ND		10.0	µg/L	1			
Xylenes, Total	ND		10.0	µg/L	1			
Surr:1,2-Dichloroethane-d4	102		76 - 114	%REC	1	11/3/2003 10:45:00 AM	ROBERT_031103C	DWW
Surr:4-Bromofluorobenzene	95		86 - 115	%REC	1			
Surr:Toluene-d8	102		88 - 110	%REC	1			

⌣S Version #: 3.1.8.2 - 11/3/2003 1:20:00 PM

Printed: Wednesday, November 26, 2003 9:07:38 AM

Ecology and Environment, Inc.
Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

NYS ELAP ID#:   10486
Phone   (716)

ent:	E and E Buffalo Office	
Lab	0310322	
Project:	Mr. C's Dry Cleaners	

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01B   **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	11/7/2003 3:00:09 PM	LACHAT_CN_031107B	LMW

Definitions:

Recovery outside QC limits	B - Analyte found in Method blank	D - Diluted due to maxtrix or extended target compounds
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

4493 Walden Avenue
Lancaster, New   14086

NYS ELAP ID#:   10486
Phone   (716)

'ient: E and E Buffalo Office
ab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   % Moist:

Lab ID: 0310322-01C   Sample   SAMP   Matrix Water   Test 1_130.2_HARD_W

HARDNESS, TOTAL BY METHOD EPA 130.2   Method: EPA130.2   Prep Method:

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Hardness (As CaCO3)	876		1.00	mg/L	1	11/4/2003	WC_HARDNESS_031104A	LMH

Definitions:

* - Recovery outside QC limits
⁻ ⁿ - Dilution Factor
/alue Exceeds Maximum Contaminant Level
Single Column Analysis
NP - Petroleum Pattern is not present

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

D - Diluted due to 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

Ecology and Environment, Inc.

Laboratory Results

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

nt: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Lab ID: 0310322-01C   **Sample**   SAMP   **Matrix** Water

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**
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	11/7/2003 2:18:05 PM	OPTIMA3300_031107B	JLS
Calcium	170000		5000	µg/L	1			
Cobalt	ND		50.0	µg/L	1			
Copper	ND		25.0	µg/L	1			
Iron	368		100	µg/L	1			
Lead	4.68		3.00	µg/L	1			
Magnesium	28100		5000	µg/L	1			
Manganese	321		15.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	8640		5000	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	299000		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

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

Ecology and Environment Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

NYS ELAP ID#:   10486
Phone   (716)

nt: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01C   **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	11/7/2003 12:35:36 PM	LEEMAN_031107C	REB

Definitions:

* - Recovery outside QC limits
  Dilution Factor
  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

Ecology and Environment, Inc.

Laboratory Results

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

NYS ELAP ID#:   10486
Phone   (716)

ent:	E and E Buffalo Office	**Client Sample**	AS INFLUENT
Lab	0310322	**Alt. Client ID:**	
Project:	Mr. C's Dry Cleaners	**Collection** 10/29/2003 12:30:00	**% Moist:**

Lab ID: 0310322-01D   **Sample** SAMP   **Matrix** Water   **Test** 1_150.1_PH_W

PH BY METHOD EPA 150.1   **Method:** EPA150.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
pH	7.5		0.10	S.U.	1	10/29/2003 5:00:00 PM	DENVER_PH_031029A	RLG

Definitions:

Recovery outside QC limits	B - Analyte found in Method blank	D - Diluted due to maxtrix or extended target compounds
- 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

Ecology and Environme~ Inc.

Analytical Services Center

4493 Walden Avenue
Lancaster, New 14086

Laboratory Results

ent: E and E Buffalo Office
~b 0310322
Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01D   **Sample** SAMP   **Matrix** Water   **Test** 1_160.1_TDS_W

TOTAL DISSOLVED SOLIDS (TDS) BY METHOD EPA 160.1   **Method:** EPA160.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Dissolved Solids (Residue, Filterable)	1500		10	mg/L	1	10/30/2003	SARTORIUS_TDS_031030	LMH

Definitions:

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

Ecology and Environment, Inc.

Analytical Services Center

4493 Walden Avenue

Lancaster, New 14086

Laboratory Results

Client: E and E Buffalo Office

Lab 0310322

Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT

Alt. Client ID:

Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01D   **Sample** SAMP   **Matrix** Water   **Test** 1_160.2_TSS_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Suspended Solids (Residue, Non-Filterable)	25		4.0	mg/L	1	10/30/2003	SARTORIUS_TSS_031030	LMH

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

Ecology and Environmer Inc.

Analytical Services Center

4493 Walden Avenue

Lancaster, New   14086

Laboratory Results

ent: E and E Buffalo Office

Lab   0310322

Project: Mr. C's Dry Cleaners

Client Sample AS INFLUENT

Alt. Client ID:

Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-01D   **Sample**   SAMP   **Matrix** Water   **Test** 1_180.1_TURB_W

TURBIDITY (NEPHELOMETRIC) BY METHOD 180.1   **Method:** EPA180.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Turbidity	40.0		0.500	NTU	1	10/30/2003	WC_031030C	LMW

Definitions:

* - Recovery outside QC limits	B - Analyte found in Method blank	D - Diluted due to maxtrix or extended target compounds
⁻ - Dilution Factor	DNI - Did not Ignite	E - Result exceeds Highest Calibration Standard
Value Exceeds Maximum Contaminant Level	J - Estimated value	M - Matrix Spike Recovery outside limits
- 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

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

t: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-02A   **Sample**   SAMP   **Matrix** Water   **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
1,1,1-Trichloroethane	ND		10.0	μg/L	1	11/3/2003 12:17:00 PM	ROBERT_031103C	DWW
1,1,2,2-Tetrachloroethane	ND		10.0	μg/L	1			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	μg/L	1			
1,1,2-Trichloroethane	ND		10.0	μg/L	1			
1,1-Dichloroethane	ND		10.0	μg/L	1			
1,1-Dichloroethene	ND		10.0	μg/L	1			
1,2,4-Trichlorobenzene	ND		10.0	μg/L	1			
1,2-Dibromo-3-chloropropane	ND		10.0	μg/L	1			
1,2-Dibromoethane	ND		10.0	μg/L	1			
1,2-Dichlorobenzene	ND		10.0	μg/L	1			
1,2-Dichloroethane	ND		10.0	μg/L	1			
1,2-Dichloropropane	ND		10.0	μg/L	1			
1,3-Dichlorobenzene	ND		10.0	μg/L	1			
1,4-Dichlorobenzene	ND		10.0	μg/L	1			
2-Butanone	ND		10.0	μg/L	1			
2-Hexanone	ND		10.0	μg/L	1			
4-Methyl-2-pentanone	ND		10.0	μg/L	1			
Acetone	ND		10.0	μg/L	1			
Benzene	ND		10.0	μg/L	1			
Bromodichloromethane	ND		10.0	μg/L	1			
oform	ND		10.0	μg/L	1			
omethane	ND		10.0	μg/L	1			
Carbon disulfide	ND		10.0	μg/L	1			
Carbon tetrachloride	ND		10.0	μg/L	1			
Chlorobenzene	ND		10.0	μg/L	1			
Chloroethane	ND		10.0	μg/L	1			
Chloroform	ND		10.0	μg/L	1			
Chloromethane	ND		10.0	μg/L	1			
cis-1,2-Dichloroethene	ND		10.0	μg/L	1			
cis-1,3-Dichloropropene	ND		10.0	μg/L	1			
Cyclohexane	ND		10.0	μg/L	1			
Dibromochloromethane	ND		10.0	μg/L	1			
Dichlorodifluoromethane	ND		10.0	μg/L	1			
Ethylbenzene	ND		10.0	μg/L	1			
Isopropylbenzene	ND		10.0	μg/L	1			
Methyl acetate	ND		10.0	μg/L	1			
Methyl tert-butyl ether	ND		10.0	μg/L	1			
Methylcyclohexane	ND		10.0	μg/L	1			
Methylene chloride	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

Ecology and Environme⌣ Inc.

Analytical Services Center

Laboratory Results

4493 Walden Avenue
Lancaster, New 14086

⌣ent:	E and E Buffalo Office	**Client Sample**	AS EFFLUENT
	0310322	**Alt. Client ID:**	
Project:	Mr. C's Dry Cleaners	**Collection** 10/29/2003 12:30:00	**% Moist:**

Lab ID: 0310322-02A   **Sample** SAMP   **Matrix** Water   **Test** 1_ASP_4.2_VOA_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Styrene	ND		10.0	µg/L	1			
Tetrachloroethene	ND		10.0	µg/L	1			
Toluene	ND		10.0	µg/L	1			
trans-1,2-Dichloroethene	ND		10.0	µg/L	1			
trans-1,3-Dichloropropene	ND		10.0	µg/L	1			
Trichloroethene	ND		10.0	µg/L	1			
Trichlorofluoromethane	ND		10.0	µg/L	1			
Vinyl chloride	ND		10.0	µg/L	1			
Xylenes, Total	ND		10.0	µg/L	1			
Surr:1,2-Dichloroethane-d4	103		76 - 114	%REC	1	11/3/2003 12:17:00 PM	ROBERT_031103C	DWW
Surr:4-Bromofluorobenzene	96		86 - 115	%REC	1			
Surr:Toluene-d8	101		88 - 110	%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

Ecology and Environment Inc.

Laboratory Results

Analytical Services Center
4493 Walden Avenue
Lancaster, New 14086

NYS ELAP ID#: 10486
Phone (716)

Client: E and E Buffalo Office
Lab 0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   % Moist:

Lab ID: 0310322-02B   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	11/7/2003 3:03:00 PM	LACHAT_CN_031107B	LMW

Definitions:

Recovery outside QC limits	B - Analyte found in Method blank	D - Diluted due to maxtrix or extended target compounds
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

Ecology and Environment Inc.
Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

NYS ELAP ID#:   10486
Phone   (716)

Client: E and E Buffalo Office
0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-02C   **Sample**   SAMP   **Matrix** Water   **Test** 1_130.2_HARD_W

HARDNESS, TOTAL BY METHOD EPA 130.2   **Method:** EPA130.2   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Hardness (As CaCO3)	881		1.00	mg/L	1	11/4/2003	WC_HARDNESS_031104A	LMH

Definitions:

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

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

D - Diluted due to 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

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

NYS ELAP ID#:   10486
Phone   (716)

~nt:	E and E Buffalo Office	**Client Sample** AS EFFLUENT
Lab	0310322	**Alt. Client ID:**
Project:	Mr. C's Dry Cleaners	**Collection** 10/29/2003 12:30:00 **% Moist:**

Lab ID: 0310322-02C   **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	11/7/2003 12:40:16 PM	LEEMAN_031107C	REB

Ecology and Environmei‿ Inc.

Laboratory Results

Analytical Services Center
4493 Walden Avenue
Lancaster, New 14086

ent: E and E Buffalo Office	**Client Sample** AS EFFLUENT	
0310322	**Alt. Client ID:**	
Project: Mr. C's Dry Cleaners	**Collection** 10/29/2003 12:30:00	**% Moist:**
Lab ID: 0310322-02C	**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	11/7/2003 2:57:33 PM	OPTIMA3300_031107B	JLS
Calcium	160000		5000	µg/L	1			
Cobalt	ND		50.0	µg/L	1			
Copper	ND		25.0	µg/L	1			
Iron	344		100	µg/L	1			
Lead	3.73		3.00	µg/L	1			
Magnesium	26300		5000	µg/L	1			
Manganese	301		15.0	µg/L	1			
Nickel	ND		40.0	µg/L	1			
Potassium	8110		5000	µg/L	1			
Silver	ND		10.0	µg/L	1			
Sodium	280000		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

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

Ecology and Environment, Inc.
Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

__nt: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-02D   **Sample**   SAMP   **Matrix** Water   **Test** 1_150.1_PH_W

PH BY METHOD EPA 150.1   **Method:** EPA150.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
pH	8.2		0.10	S.U.	1	10/29/2003 5:02:00 PM	DENVER_PH_031029A	RLG

Definitions:

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

Ecology and Environment Inc.
Analytical Services Center
4493 Walden Avenue
Lancaster, New 14086

Laboratory Results

ent: E and E Buffalo Office
0310322
Project: Mr. C's Dry Cleaners
Lab ID: 0310322-02D   **Sample** SAMP   **Matrix** Water

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**
Test 1_160.1_TDS_W

TOTAL DISSOLVED SOLIDS (TDS) BY METHOD EPA 160.1   **Method:** EPA160.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Dissolved Solids (Residue, Filterable)	1500		10	mg/L	1	10/30/2003	SARTORIUS_TDS_031030	LMH

Ecology and Environment Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

NYS ELAP ID#:   10486
Phone   (716)

t: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-02D   **Sample**   SAMP   **Matrix** Water   **Test** 1_180.1_TURB_W

TURBIDITY (NEPHELOMETRIC) BY METHOD 180.1   **Method:** EPA180.1   **Prep Method:**

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Turbidity	14.4		0.500	NTU	1	10/30/2003	WC_031030C	LMW

Definitions:

* Recovery outside QC limits
  Dilution Factor
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

Ecology and Environme~ Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New   14086

Laboratory Results

:nt: E and E Buffalo Office
Lab   0310322
Project: Mr. C's Dry Cleaners

Client Sample AS EFFLUENT
Alt. Client ID:
Collection 10/29/2003 12:30:00   **% Moist:**

Lab ID: 0310322-02D   **Sample**   SAMP   **Matrix** Water   **Test** 1_160.2_TSS_W

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

Analyte	Result	Q	Limit	Units	DF	Date	Run Batch	Analyst
Total Suspended Solids (Residue, Non-Filterable)	ND		4.0	mg/L	1	10/30/2003	SARTORIUS_TSS_031030	LMH

Definitions:

* - Recovery outside QC limits
  Dilution Factor
  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